

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092115\
 Data File : VD046821.D
 Acq On : 21 Sep 2015 21:35
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µm/5mL/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 12:41:36 PM

Quant Time: Sep 22 03:42:06 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:47:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.29	168	258784	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.41	114	333257	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.56	117	274867	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.91	152	129712	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.70	65	122626	45.58	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	91.16%	
35) Dibromofluoromethane	6.19	113	131587	50.47	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	100.94%	
50) Toluene-d8	9.60	98	419331	50.98	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.83	95	144427	43.61	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	87.22%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.42	85	105415	44.26	ug/l	99
3) Chlorodifluoromethane	1.43	51	98065	50.03	ug/l	99
4) Chloromethane	1.58	50	77082	50.53	ug/l	98
5) Vinyl Chloride	1.67	62	69041	48.19	ug/l	99
6) Bromomethane	1.97	94	61198	49.27	ug/l	96
7) Chloroethane	2.08	64	40187	44.81	ug/l	98
8) Trichlorofluoromethane	2.32	101	166012	39.17	ug/l	97
9) Diethyl Ether	2.62	74	39918	53.13	ug/l	94
10) 1,1,2-Trichlorotrifluoroet	2.88	101	128453	48.44	ug/l	96
11) Methyl Iodide	3.04	142	148173	47.91	ug/l	95
12) Tert butyl alcohol	3.68	59	16622	181.47	ug/l #	89
13) 1,1-Dichloroethene	2.87	96	105719	50.99	ug/l	90
14) Acrolein	2.77	56	37171	270.42	ug/l	87
15) Allyl chloride	3.32	41	236429	56.17	ug/l	96
16) Acrylonitrile	3.82	53	92560	294.62	ug/l	98
17) Acetone	2.93	43	98656	217.01	ug/l	98
18) Carbon Disulfide	3.11	76	381455	49.11	ug/l	98
19) Methyl Acetate	3.32	43	148758	56.48	ug/l	97
20) Methyl tert-butyl Ether	3.88	73	166297	51.20	ug/l	96
21) Methylene Chloride	3.49	84	126741	51.34	ug/l	93
22) trans-1,2-Dichloroethene	3.87	96	121954	52.16	ug/l	95
23) Diisopropyl ether	4.63	45	410080	58.68	ug/l	96
24) Vinyl Acetate	4.58	43	439952m	267.46	ug/l	
25) 1,1-Dichloroethane	4.54	63	223104	51.83	ug/l	99
26) 2-Butanone	5.43	43	139187	272.41	ug/l	96
27) 2,2-Dichloropropane	5.41	77	189785	42.91	ug/l	94
28) cis-1,2-Dichloroethene	5.41	96	132198	54.31	ug/l	92
29) Bromochloromethane	5.78	49	93424	55.08	ug/l	97
30) Chloroform	5.95	83	245372	46.99	ug/l	99
31) Cyclohexane	6.26	56	206592	51.15	ug/l	97
32) 1,1,1-Trichloroethane	6.17	97	201623	43.37	ug/l	100
36) 1,1-Dichloropropene	6.42	75	187177	48.06	ug/l	98
37) Ethyl Acetate	5.53	43	67082	53.62	ug/l	96
38) Carbon Tetrachloride	6.40	117	171049	42.26	ug/l	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.06	83	205674	52.12	µg/l	99
40) Benzene	6.70	78	494221	49.71	µg/l	97
41) Methacrylonitrile	5.75	41	42139	60.05	µg/l #	94
42) 1,2-Dichloroethane	6.82	62	139664	45.23	µg/l	100
43) Isopropyl Acetate	8.40	43	93067	56.43	µg/l	93
44) Trichloroethene	7.73	130	124175	49.89	µg/l	99
45) 1,2-Dichloropropane	8.13	63	124023	50.35	µg/l	93
46) Dibromomethane	8.25	93	65953	47.16	µg/l	96
47) Bromodichloromethane	8.55	83	168662	45.95	µg/l	98
48) Methyl methacrylate	8.06	41	137284	54.45	µg/l	97
49) 1,4-Dioxane	8.28	88	9534	1022.23	µg/l #	88
51) 4-Methyl-2-Pentanone	9.46	43	330981	277.76	µg/l	96
52) Toluene	9.70	92	293935	47.93	µg/l	99
53) t-1,3-Dichloropropene	10.10	75	131727	48.60	µg/l	96
54) cis-1,3-Dichloropropene	9.22	75	171734	49.20	µg/l	96
55) 1,1,2-Trichloroethane	10.38	97	73214	46.11	µg/l	97
56) Ethyl methacrylate	10.22	69	75666	46.25	µg/l	97
57) 1,3-Dichloropropane	10.60	76	135715	45.96	µg/l	98
58) 2-Chloroethyl Vinyl ether	9.02	63	201698	257.42	µg/l	100
59) 2-Hexanone	10.69	43	214650	249.34	µg/l	95
60) Dibromochloromethane	10.87	129	99167	45.51	µg/l	100
61) 1,2-Dibromoethane	11.01	107	70591	45.03	µg/l	96
64) Tetrachloroethene	10.46	164	116817	52.63	µg/l	95
65) Chlorobenzene	11.59	112	284949	49.25	µg/l	99
66) 1,1,1,2-Tetrachloroethane	11.71	131	103963	48.93	µg/l	97
67) Ethyl Benzene	11.72	91	589744	50.74	µg/l	98
68) m/p-Xylenes	11.87	106	378439	103.23	µg/l	96
69) o-Xylene	12.28	106	172150	52.16	µg/l	100
70) Styrene	12.30	104	289124	50.53	µg/l	99
71) Bromoform	12.49	173	53437	47.22	µg/l	95
73) Isopropylbenzene	12.66	105	509605	55.73	µg/l	96
74) N-amyl acetate	12.50	43	117482	50.99	µg/l	98
75) 1,1,2,2-Tetrachloroethane	12.97	83	75260	51.00	µg/l	91
76) 1,2,3-Trichloropropane	13.02	75	81533	51.65	µg/l	95
77) Bromobenzene	12.96	156	120740	52.51	µg/l	83
78) n-propylbenzene	13.07	91	689383	53.39	µg/l	98
79) 2-Chlorotoluene	13.15	91	376085	52.46	µg/l	100
80) 1,3,5-Trimethylbenzene	13.24	105	390798	53.63	µg/l	100
81) trans-1,4-Dichloro-2-buten	12.72	75	21318	49.14	µg/l	89
82) 4-Chlorotoluene	13.27	91	437164	51.23	µg/l	100
83) tert-Butylbenzene	13.52	119	360805m	54.92	µg/l	
84) 1,2,4-Trimethylbenzene	13.58	105	389425	53.09	µg/l	99
85) sec-Butylbenzene	13.72	105	506974	52.50	µg/l	94
86) p-Isopropyltoluene	13.86	119	396030	52.18	µg/l	98
87) 1,3-Dichlorobenzene	13.83	146	218619	50.96	µg/l	97
88) 1,4-Dichlorobenzene	13.93	146	212372	49.78	µg/l	99
89) n-Butylbenzene	14.20	91	445961	52.05	µg/l	100
90) Hexachloroethane	14.47	117	86032	48.90	µg/l	95
91) 1,2-Dichlorobenzene	14.23	146	180983	50.22	µg/l	96
92) 1,2-Dibromo-3-Chloropropan	14.87	75	9066	47.81	µg/l	77

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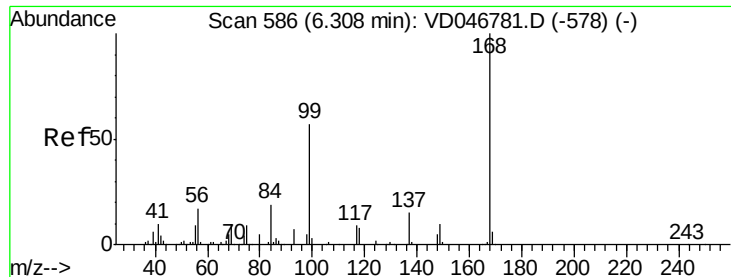
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.56	180	108443	52.26	ug/l	96
94) Hexachlorobutadiene	15.67	225	82222	48.13	ug/l	98
95) Naphthalene	15.81	128	147322	53.46	ug/l	99
96) 1,2,3-Trichlorobenzene	16.01	180	90177	52.00	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.29 min Scan# 584

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 258784

Ion Ratio Lower Upper

168 100

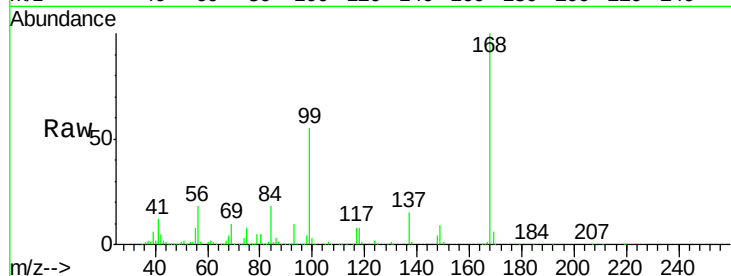
99 55.1 42.4 63.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.29

120000

100000

80000

60000

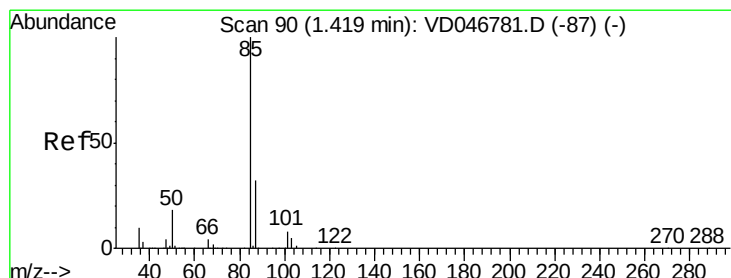
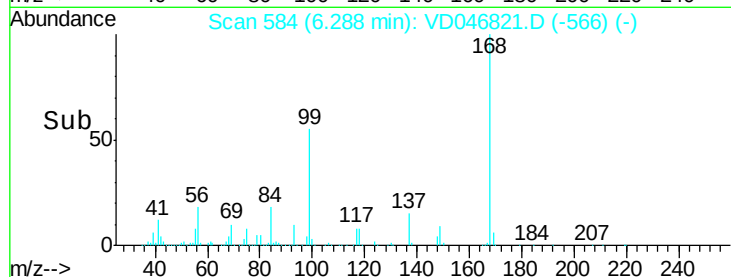
40000

20000

0

6.20 6.30 6.40

Time-->



#2

Dichlorodifluoromethane

Concen: 44.26 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.00 min

Lab File: VD046821.D

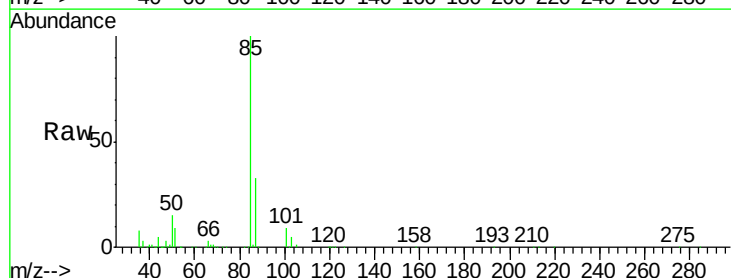
Acq: 21 Sep 2015 21:35

Tgt Ion: 85 Resp: 105415

Ion Ratio Lower Upper

85 100

87 32.6 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

120000

100000

80000

60000

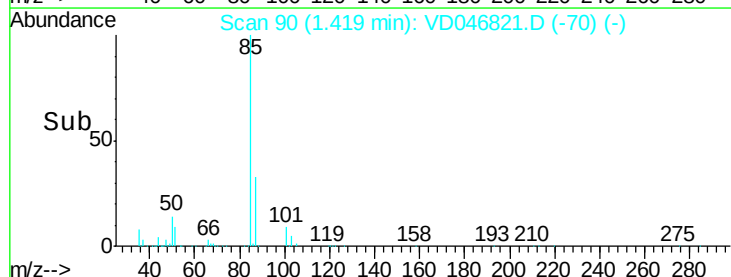
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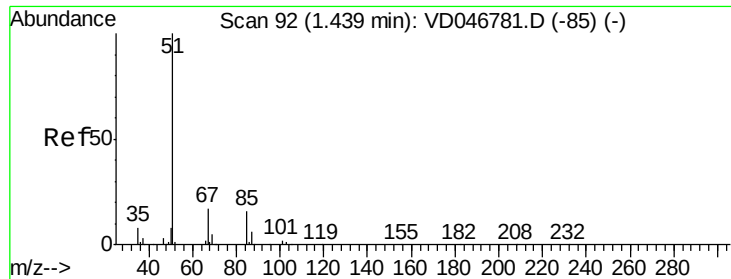
20000

0

1.40 1.50

Time-->





#3

Chlorodifluoromethane

Concen: 50.03 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Tot Ion: 51 Resp: 98065

Ion Ratio Lower Upper

51 100

67 13.2 10.9 16.3

Instrument :

MSVOA_D

ClientSampleId :

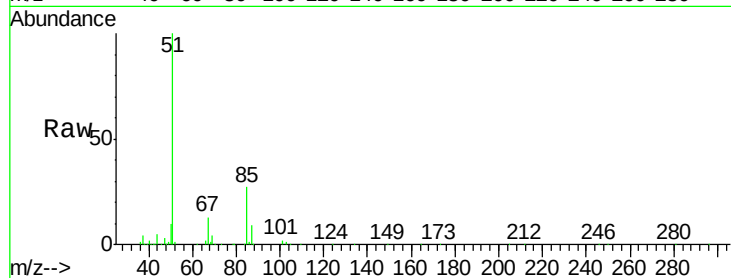
VSTDCCC050EC

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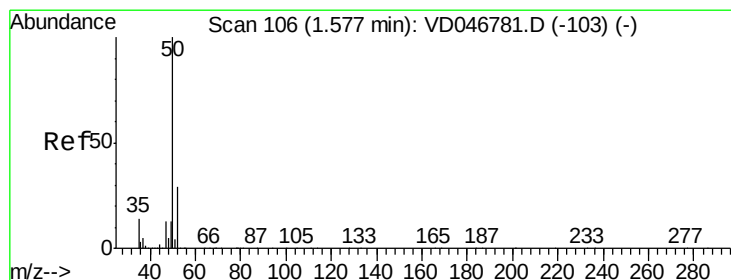
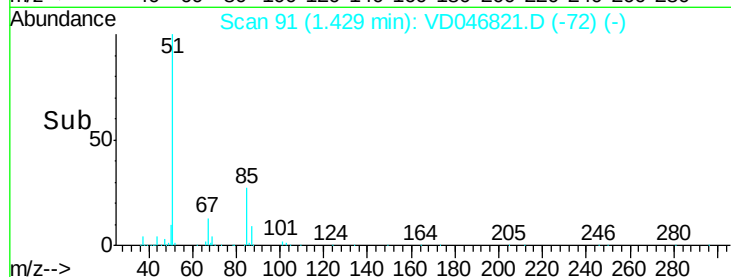
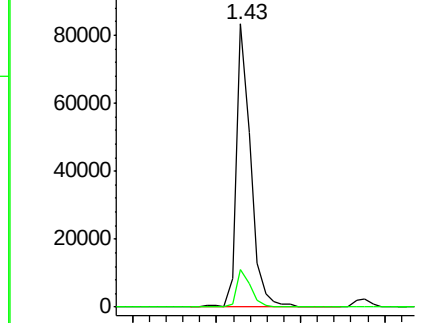
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Abundance Ion 51.00 (50.70 to 51.70): VDC

Ion 67.00 (66.70 to 67.70): VDC



#4

Chloromethane

Concen: 50.53 ug/l

RT: 1.58 min Scan# 106

Delta R.T. -0.00 min

Lab File: VD046821.D

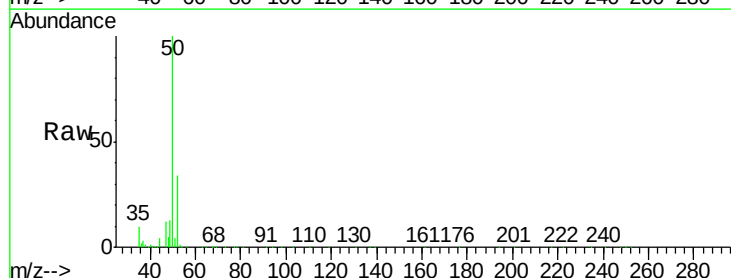
Acq: 21 Sep 2015 21:35

Tgt Ion: 50 Resp: 77082

Ion Ratio Lower Upper

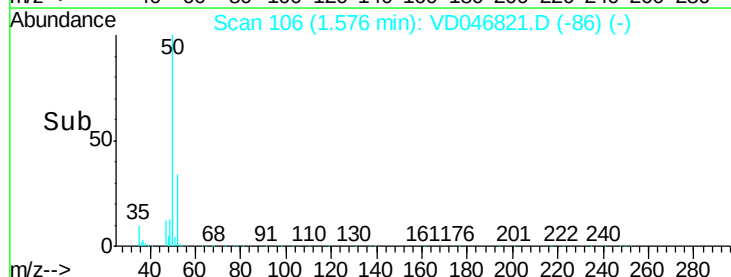
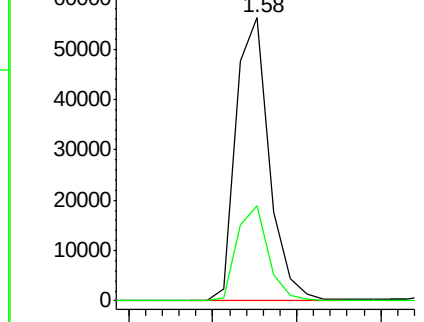
50 100

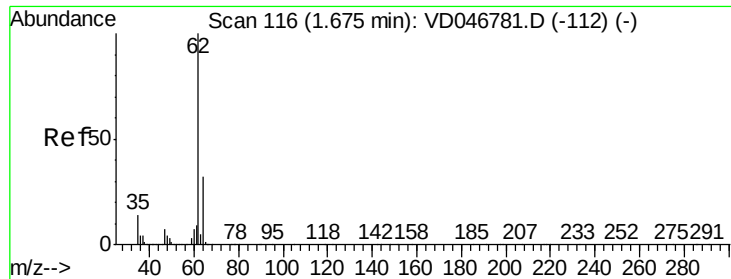
52 33.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Vinyl Chloride

Concen: 48.19 ug/l

RT: 1.67 min Scan# 116

Delta R.T. -0.00 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 62 Resp: 69041

Ion Ratio Lower Upper

62 100

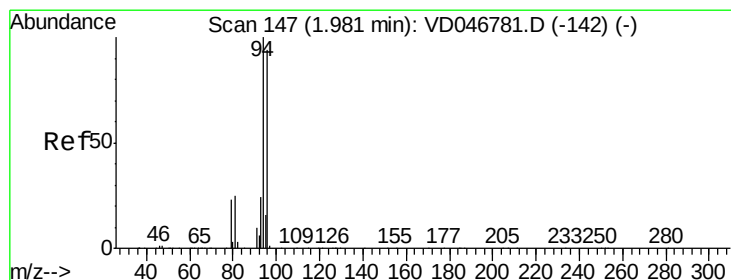
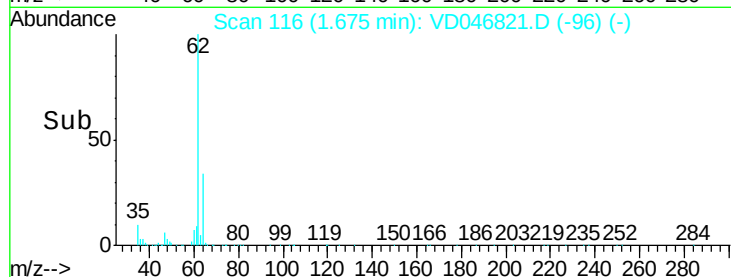
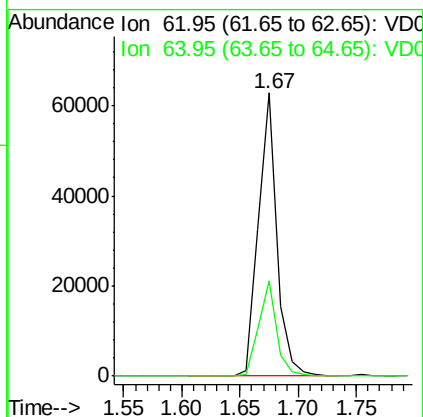
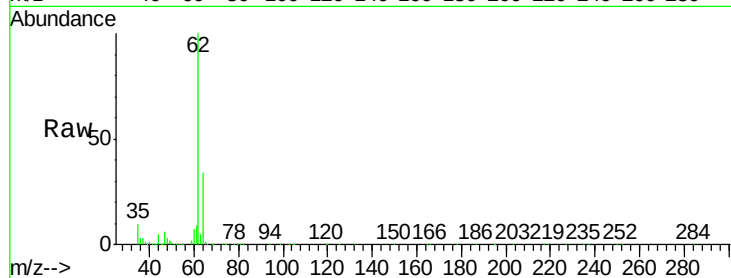
64 33.6 26.4 39.6

Manual Integrations

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#6

Bromomethane

Concen: 49.27 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.01 min

Lab File: VD046821.D

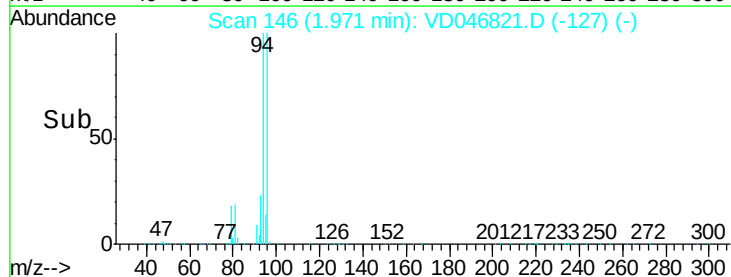
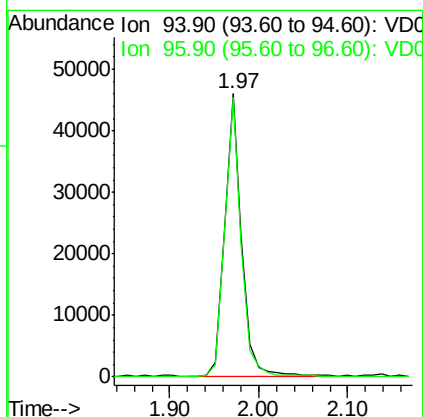
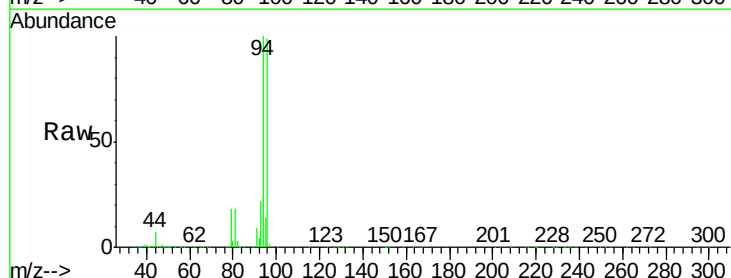
Acq: 21 Sep 2015 21:35

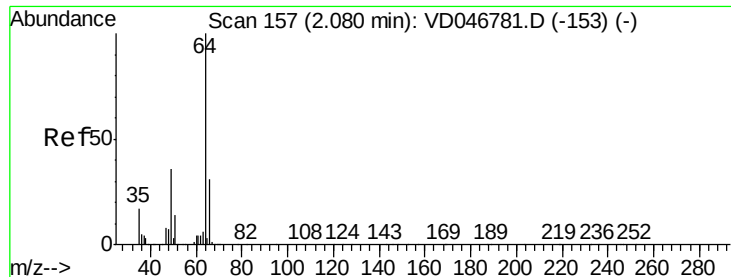
Tgt Ion: 94 Resp: 61198

Ion Ratio Lower Upper

94 100

96 99.0 76.0 114.0





#7

Chloroethane

Concen: 44.81 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 64 Resp: 40187

Ion Ratio Lower Upper

64 100

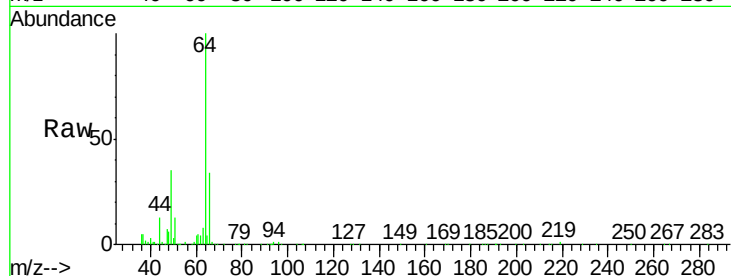
66 34.1 26.6 39.8

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Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

25000

20000

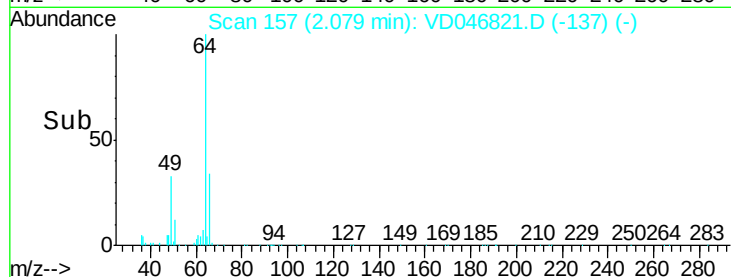
15000

10000

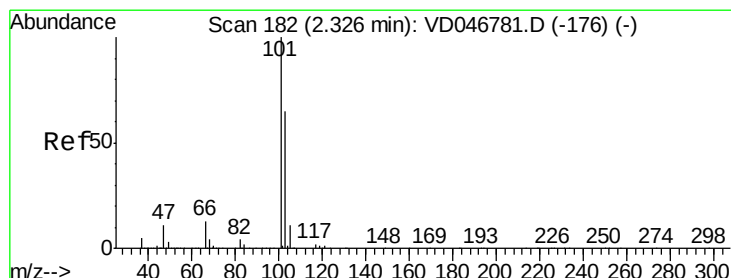
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Time-->



Time-->



#8

Trichlorofluoromethane

Concen: 39.17 ug/l

RT: 2.32 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD046821.D

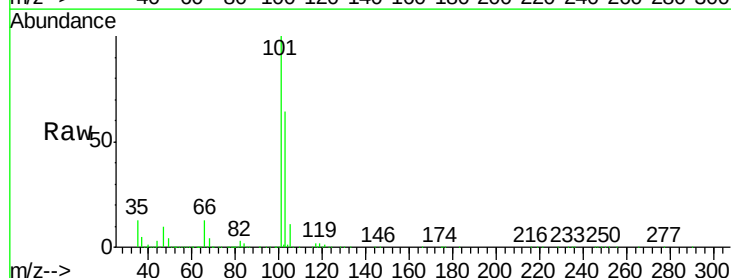
Acq: 21 Sep 2015 21:35

Tgt Ion: 101 Resp: 166012

Ion Ratio Lower Upper

101 100

103 63.7 53.2 79.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

120000

100000

80000

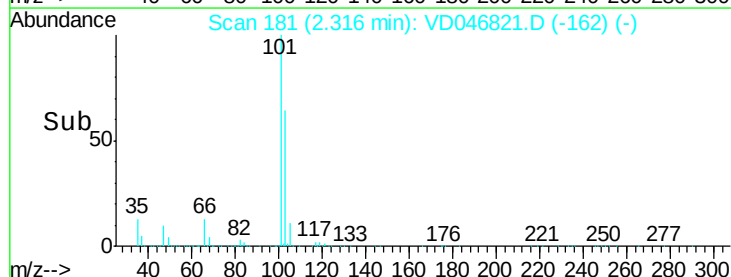
60000

40000

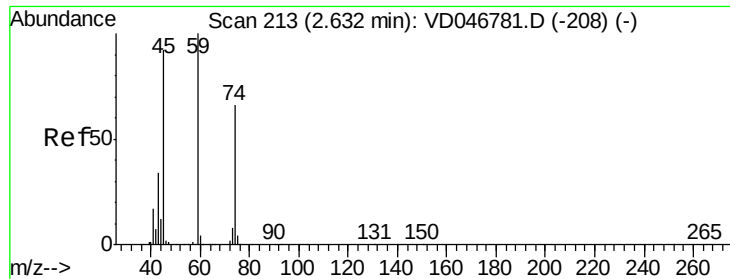
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Time-->



Time-->



#9

Diethyl Ether

Concen: 53.13 ug/l

RT: 2.62 min Scan# 212

Delta R.T. -0.01 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 74 Resp: 39918

Ion Ratio Lower Upper

74 100

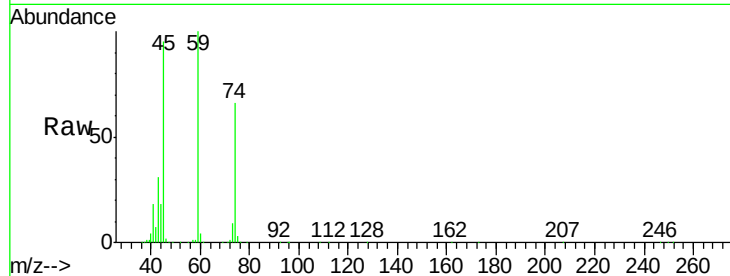
45 144.6 76.2 228.6

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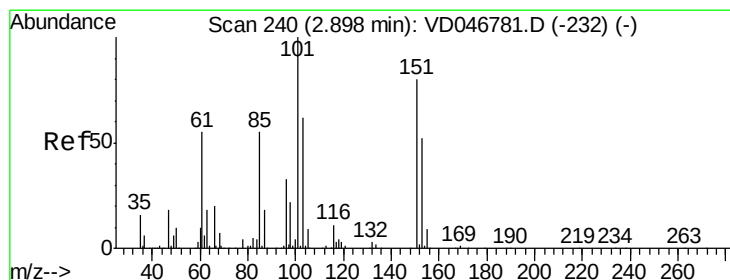
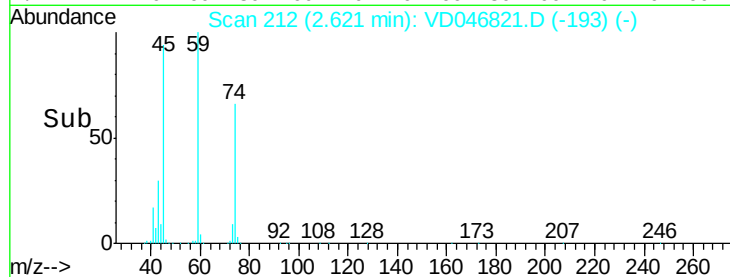
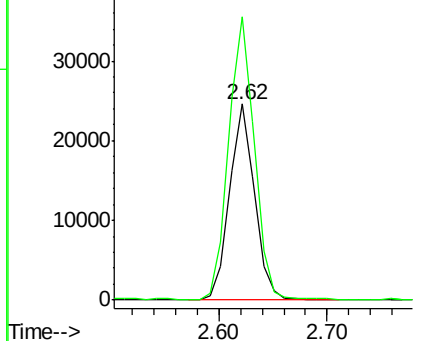
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Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#10

1,1,2-Trichlorotrifluoroethane

Concen: 48.44 ug/l

RT: 2.88 min Scan# 238

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

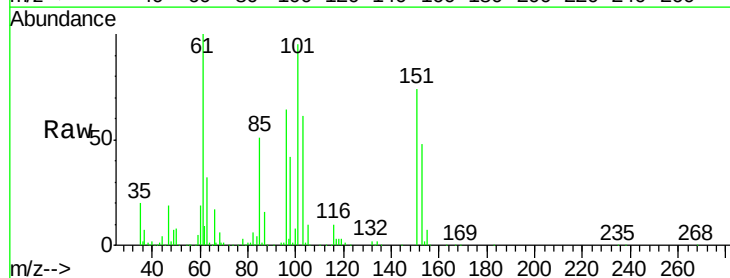
Tgt Ion: 101 Resp: 128453

Ion Ratio Lower Upper

101 100

85 53.9 42.0 63.0

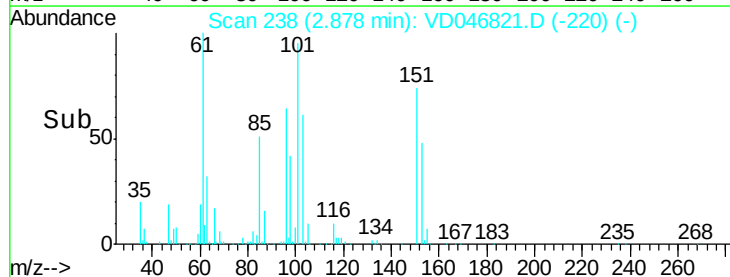
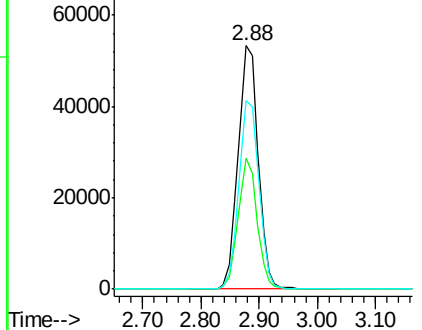
151 77.5 65.2 97.8

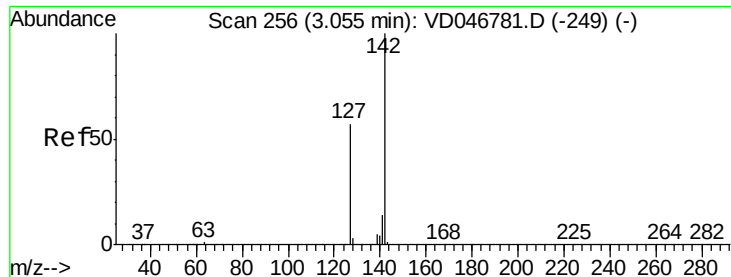


Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VDC

Ion 150.90 (150.60 to 151.60): V





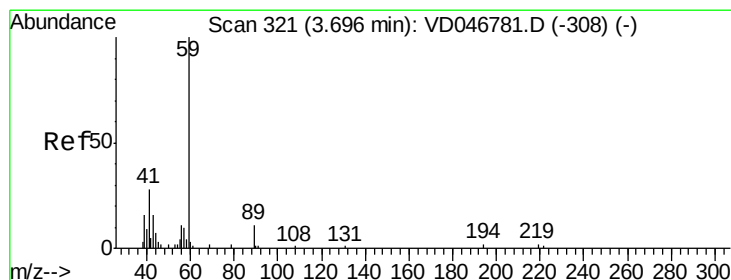
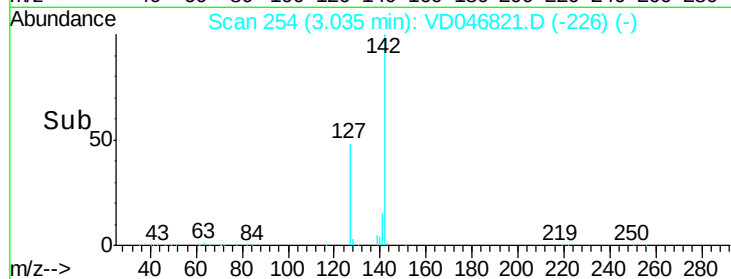
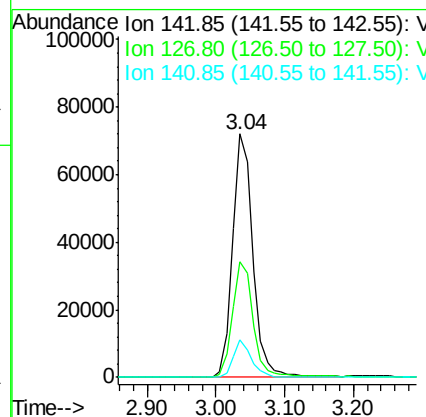
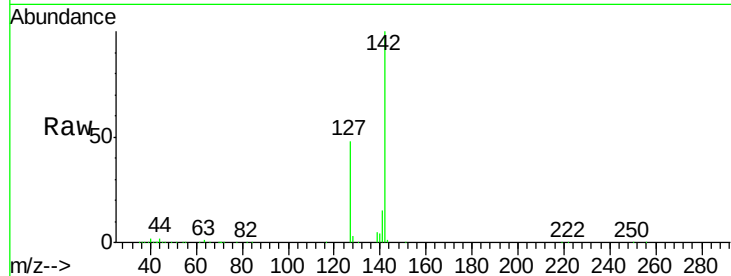
#11
Methvl Iodide
Concen: 47.91 ug/l
RT: 3.04 min Scan# 254
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
142	100	148173		
127	47.7		41.2	61.8
141	15.2		11.6	17.4

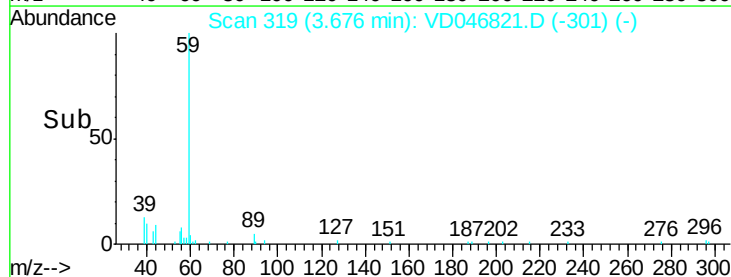
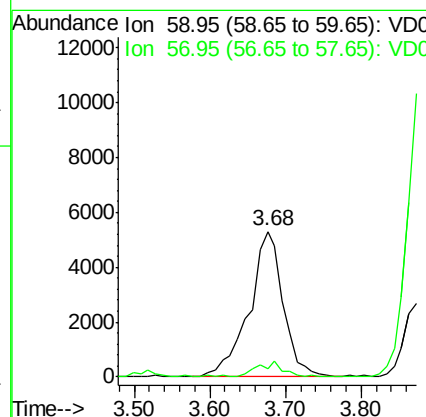
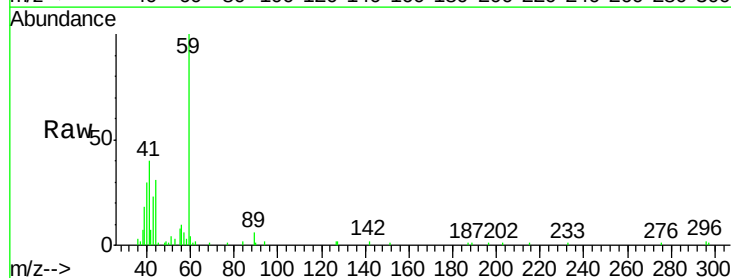
Manual Integrations
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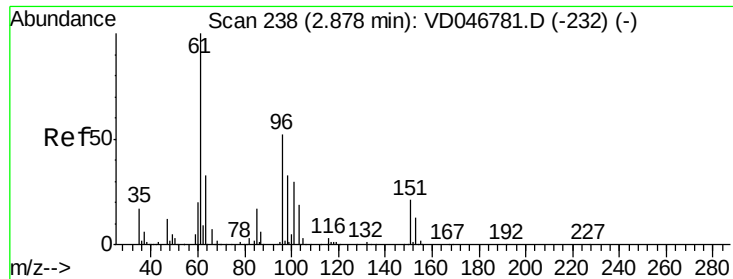
MMDadoda
9/22/2015 12:41:36 PM



#12
Tert butyl alcohol
Concen: 181.47 ug/l
RT: 3.68 min Scan# 319
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	16622		
57	5.6		7.8	11.6#





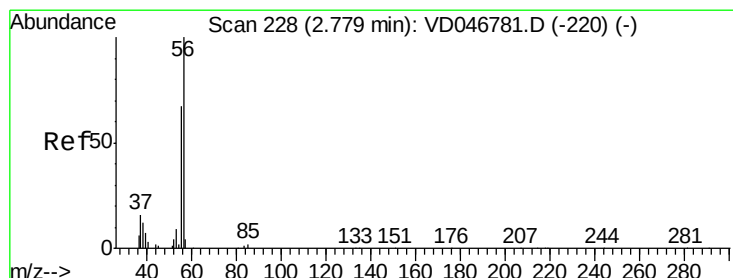
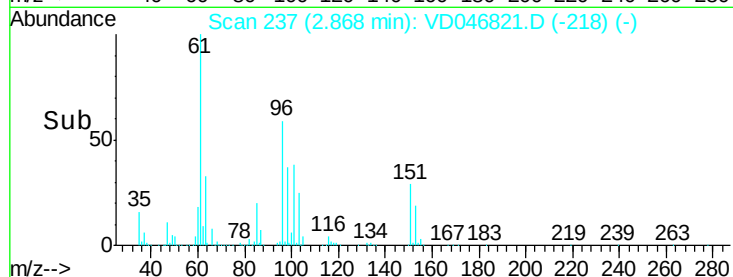
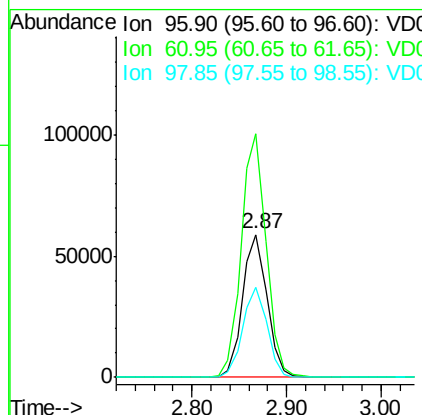
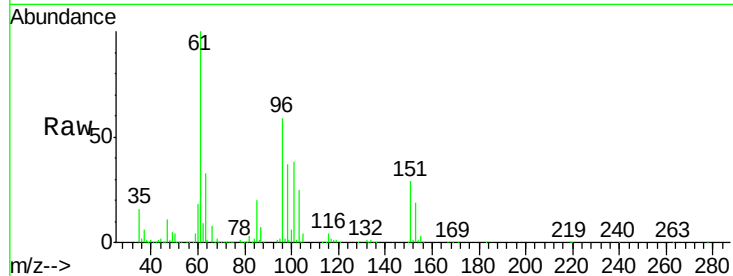
#13
 1,1-Dichloroethene
 Concen: 50.99 ug/l
 RT: 2.87 min Scan# 237
 Delta R.T. -0.01 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	170.4	152.2	228.4
98	63.0	51.2	76.8

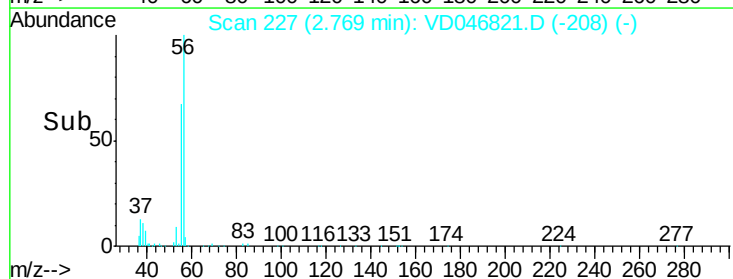
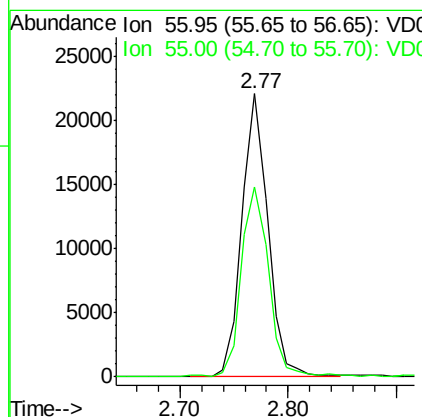
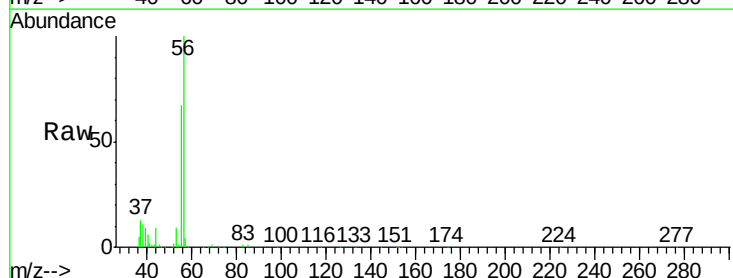
Manual Integrations
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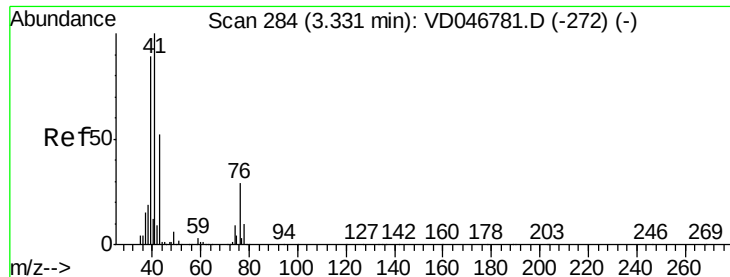
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 9/22/2015 12:41:36 PM



#14
 Acrolein
 Concen: 270.42 ug/l
 RT: 2.77 min Scan# 227
 Delta R.T. -0.01 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

Tgt Ion	Ratio	Lower	Upper
56	100		
55	67.1	62.6	93.8





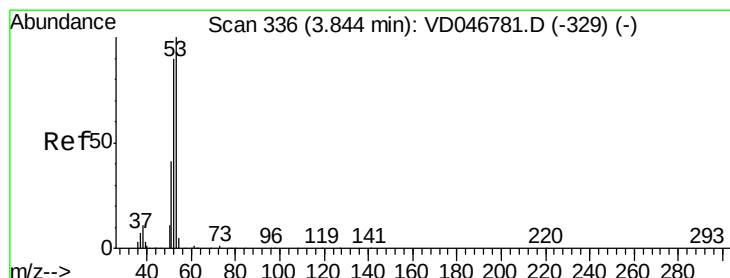
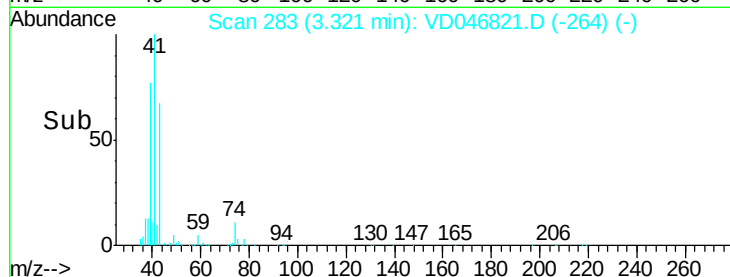
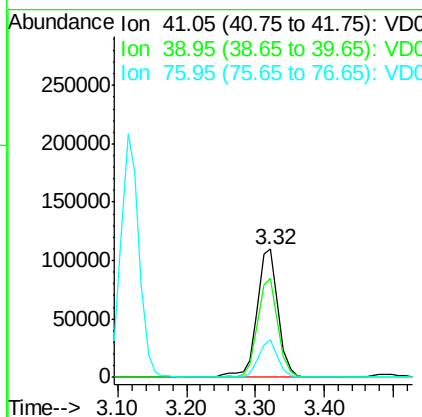
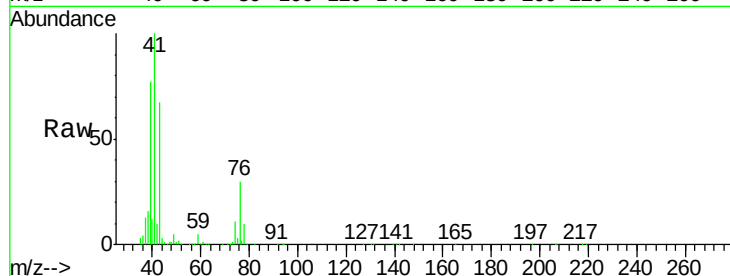
#15
Allvl chloride
Concen: 56.17 ug/l
RT: 3.32 min Scan# 283
Delta R.T. -0.01 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	236429
Ion Ratio	Lower	Upper	
41	100		
39	77.0	58.8	88.2
76	29.7	22.7	34.1

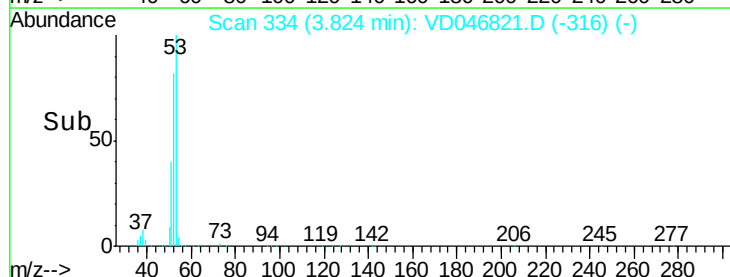
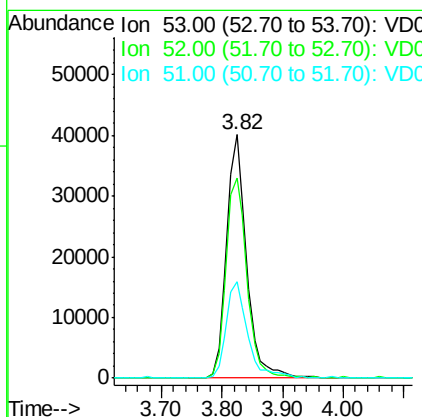
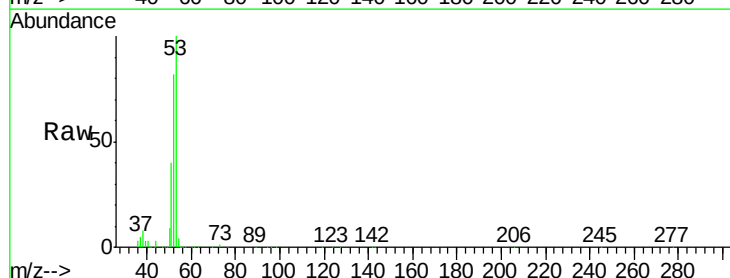
Manual Integrations
APPROVED

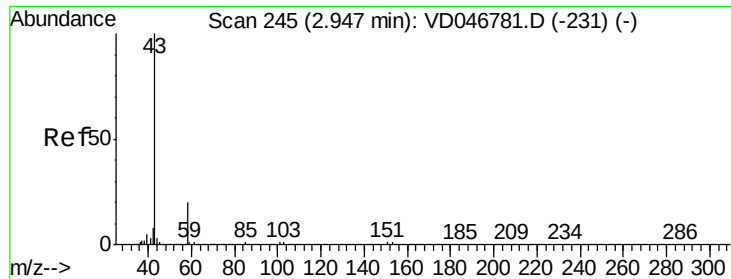
MMDadoda
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#16
Acrylonitrile
Concen: 294.62 ug/l
RT: 3.82 min Scan# 334
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion:	53	Resp:	92560
Ion Ratio	Lower	Upper	
53	100		
52	82.0	66.8	100.2
51	39.7	31.2	46.8





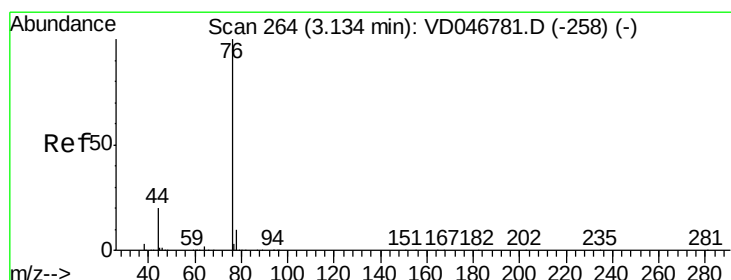
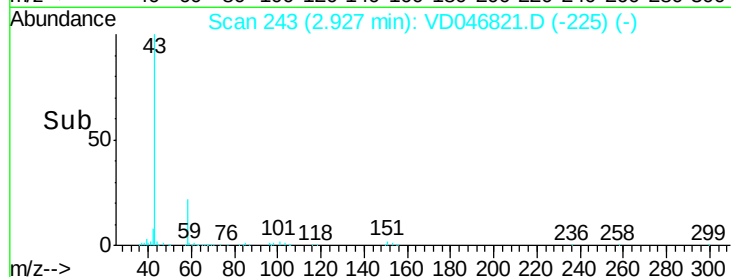
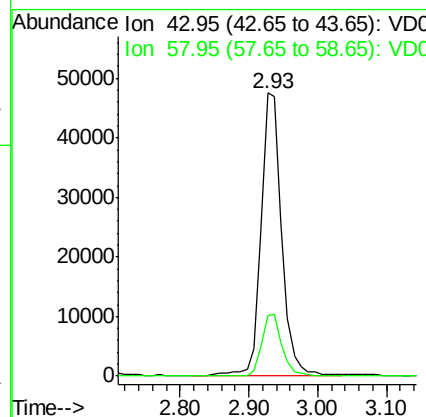
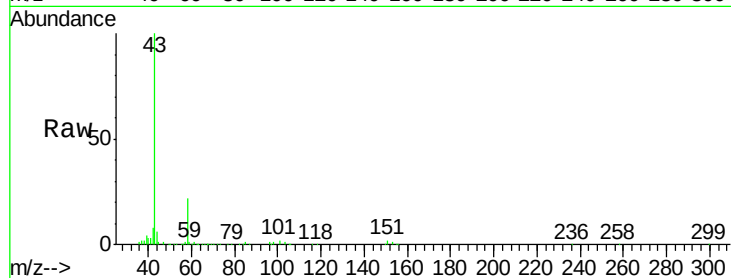
#17
Acetone
Concen: 217.01 ug/l
RT: 2.93 min Scan# 243
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	21.6	16.6	24.8

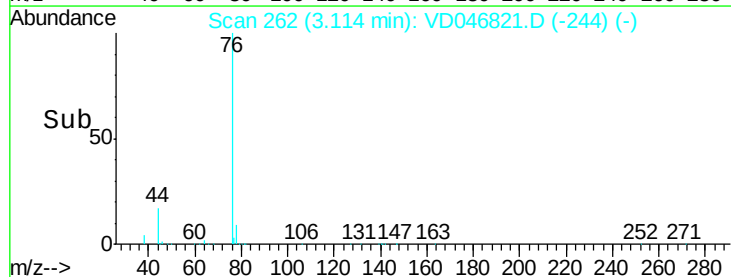
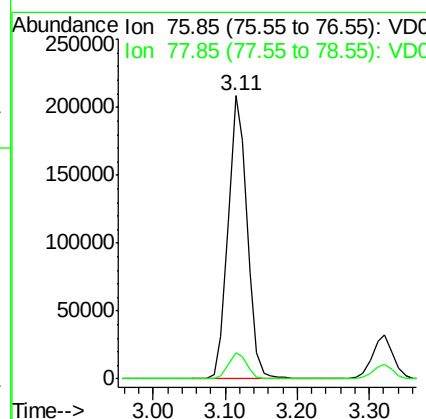
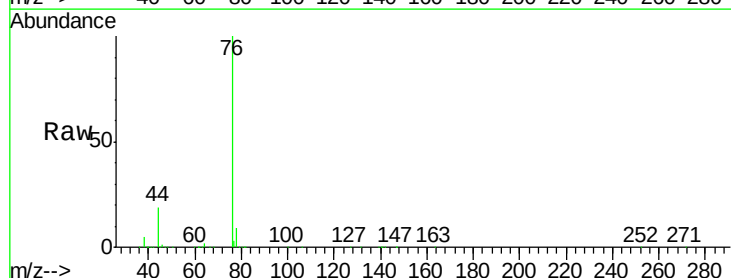
Manual Integrations
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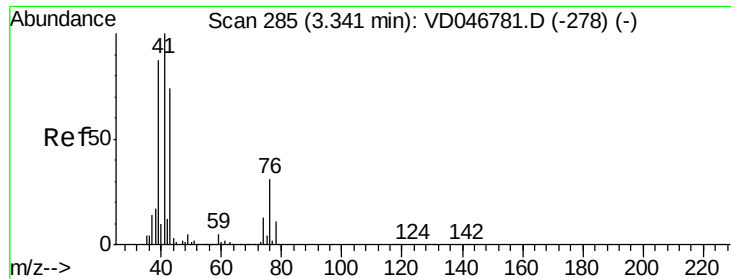
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#18
Carbon Disulfide
Concen: 49.11 ug/l
RT: 3.11 min Scan# 262
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.3	8.0	12.0





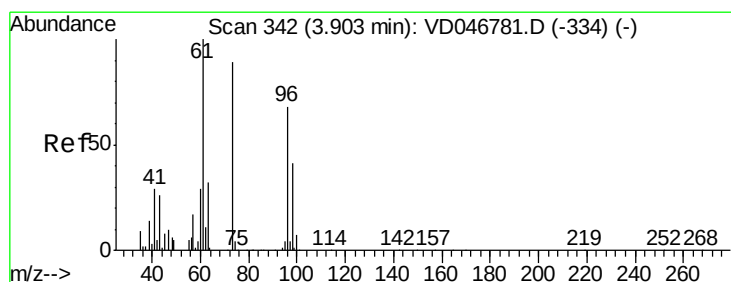
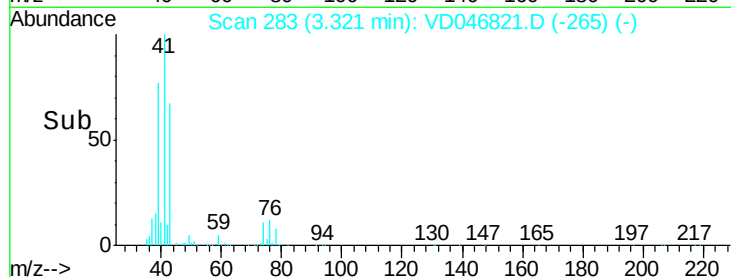
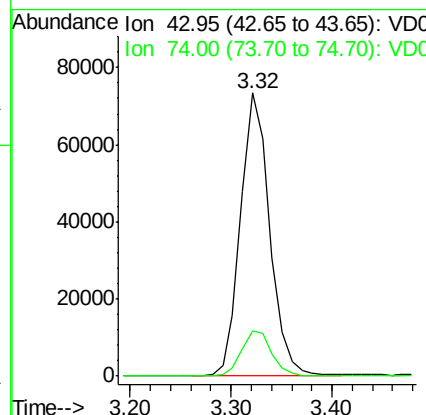
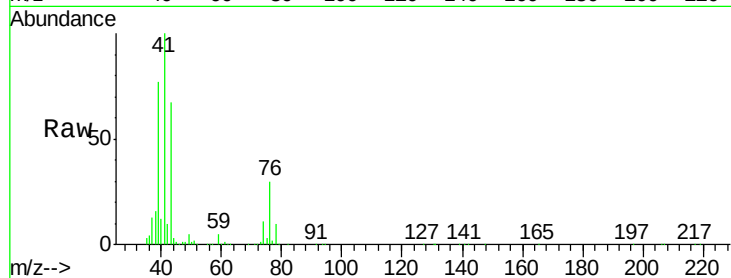
#19
Methyl Acetate
Concen: 56.48 ug/l
RT: 3.32 min Scan# 283
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 148758
Ion Ratio Lower Upper
43 100
74 15.9 13.7 20.5

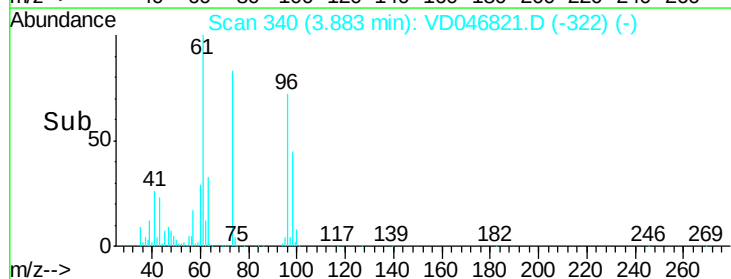
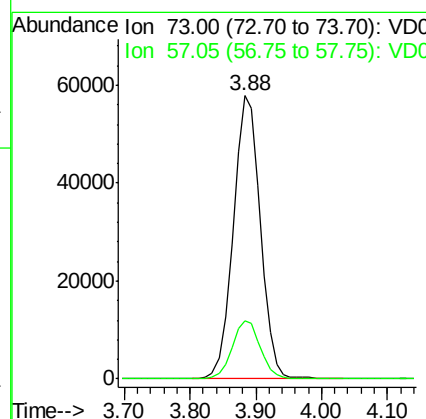
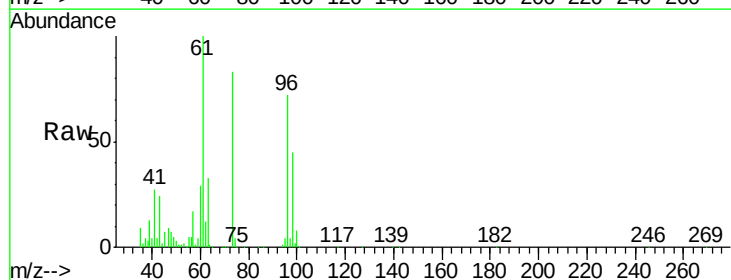
Manual Integrations
APPROVED

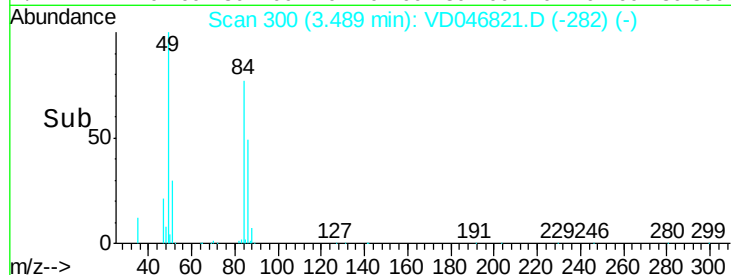
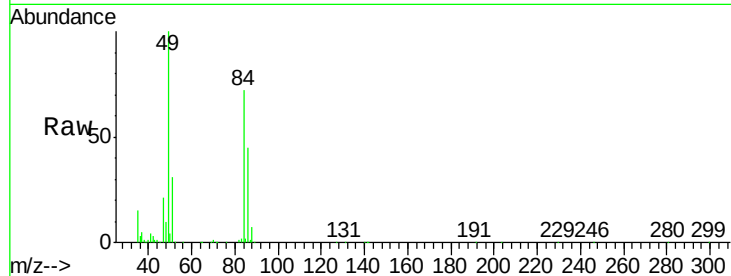
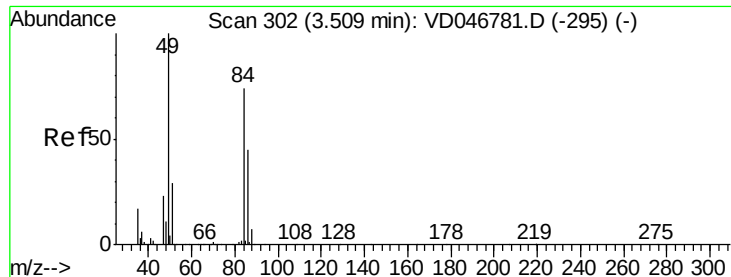
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#20
Methyl tert-butyl Ether
Concen: 51.20 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion: 73 Resp: 166297
Ion Ratio Lower Upper
73 100
57 20.6 18.1 27.1





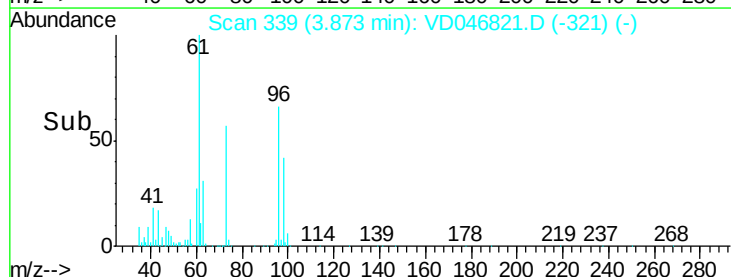
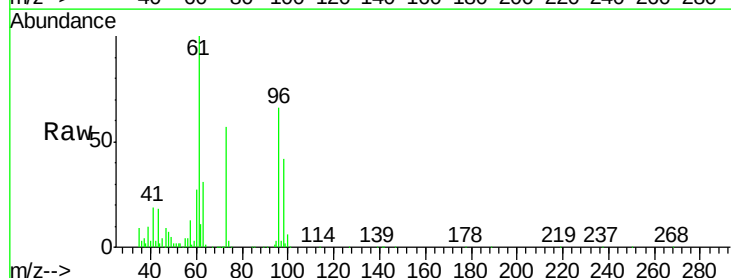
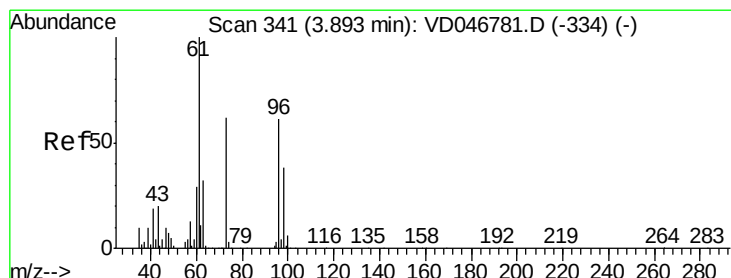
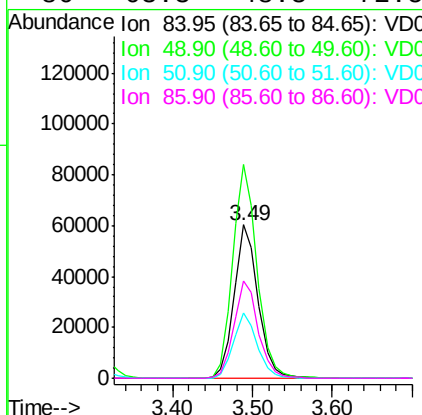
#21
Methylene Chloride
Concen: 51.34 ug/l
RT: 3.49 min Scan# 300
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tot Ion	84	Resp	126741
Ion	Ratio	Lower	Upper
84	100		
49	139.3	122.1	183.1
51	42.7	33.6	50.4
86	63.3	48.3	72.5

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

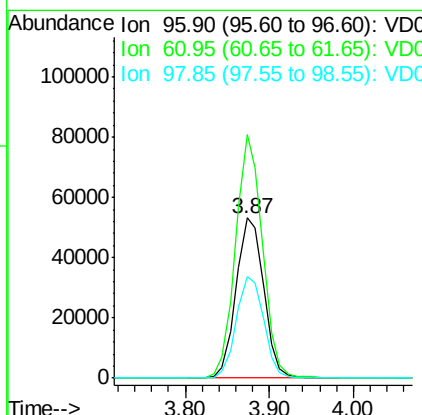
Manual Integrations
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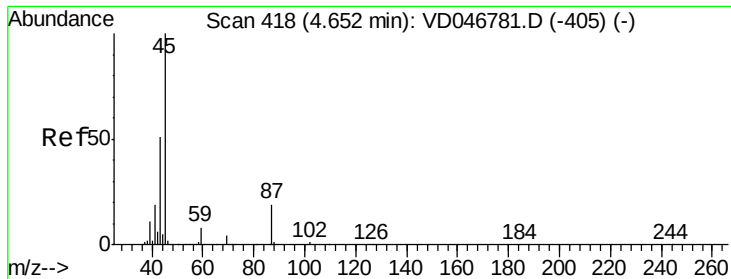
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 52.16 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion	96	Resp	121954
Ion	Ratio	Lower	Upper
96	100		
61	151.8	125.8	188.6
98	63.7	54.5	81.7





#23

Diisopropyl ether

Concen: 58.68 ug/l

RT: 4.63 min Scan# 416

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

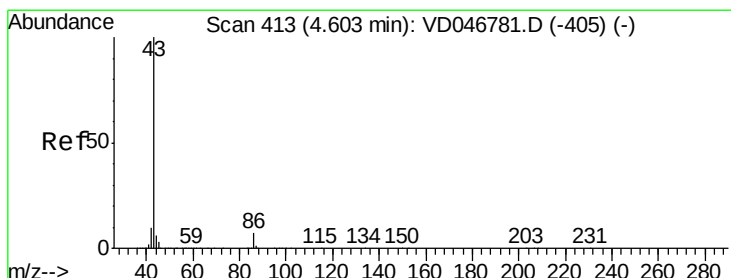
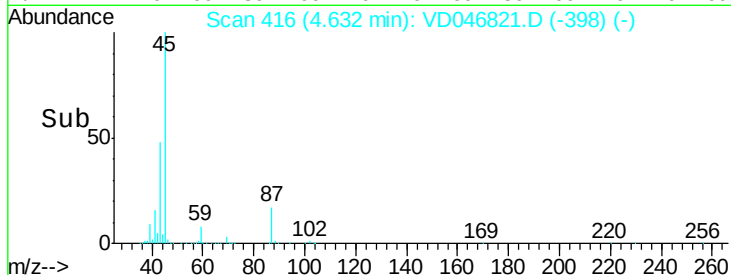
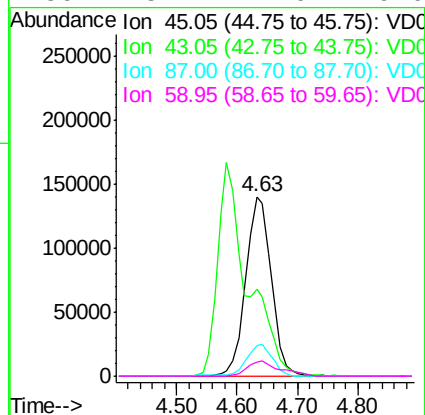
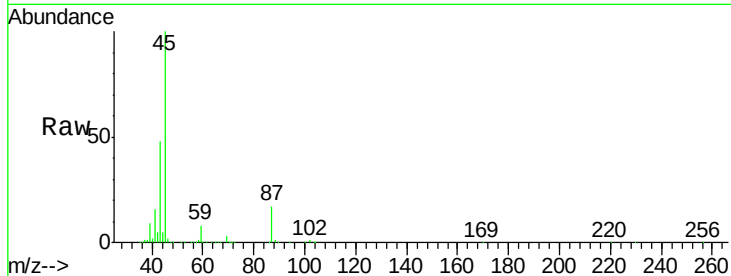
ClientSampleId :

VSTDCCC050EC

Tot Ion:	45	Resp:	410080
Ion	Ratio	Lower	Upper
45	100		
43	48.2	35.9	53.9
87	16.9	13.0	19.6
59	8.2	7.0	10.6

Manual Integrations
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#24

Vinyl Acetate

Concen: 267.46 ug/l m

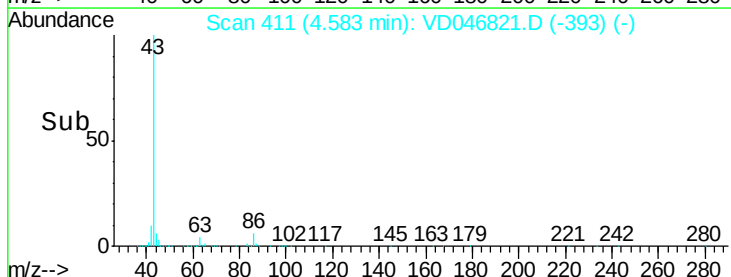
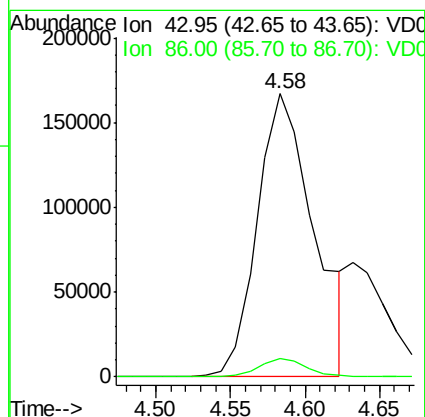
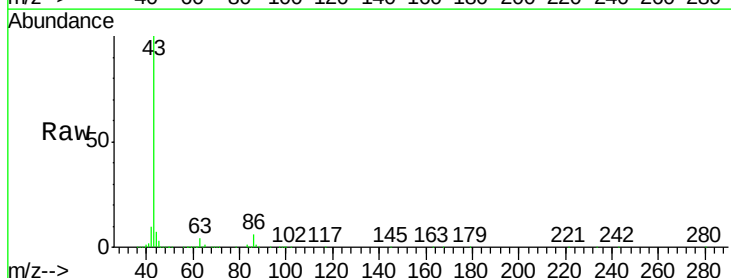
RT: 4.58 min Scan# 411

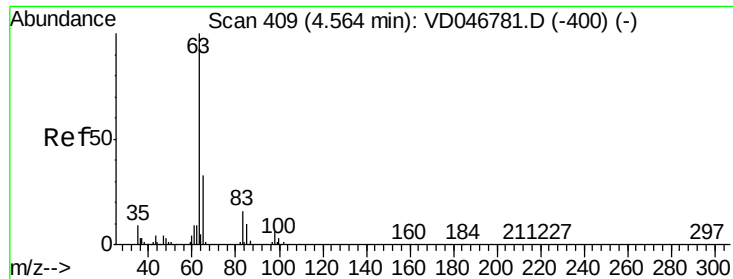
Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Tgt Ion:	43	Resp:	439952
Ion	Ratio	Lower	Upper
43	100		
86	6.4	4.9	7.3





#25

1,1-Dichloroethane

Concen: 51.83 ug/l

RT: 4.54 min Scan# 407

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

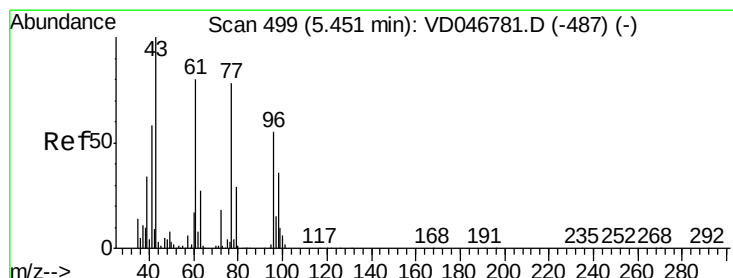
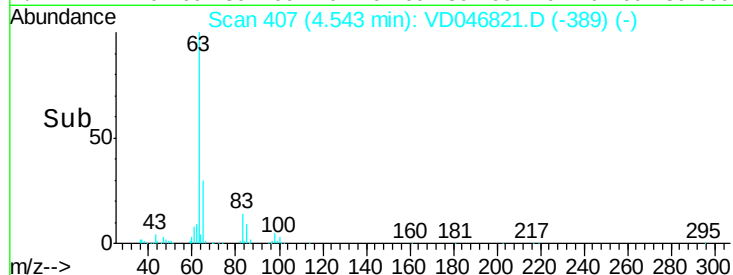
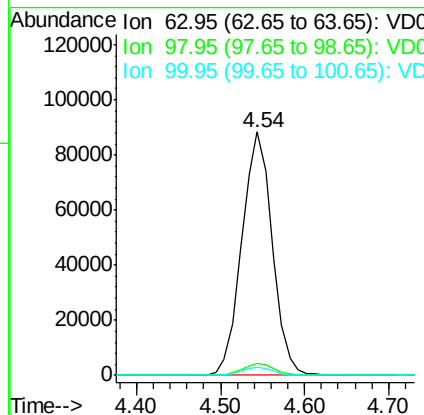
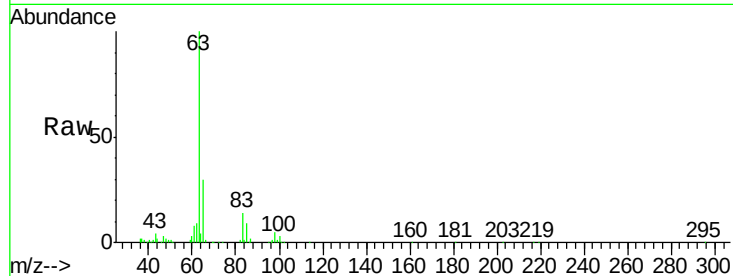
ClientSampleId :

VSTDCCC050EC

Tot Ion:	63	Resp:	223104
Ion Ratio	Lower	Upper	
63	100		
98	4.8	2.5	7.5
100	3.5	1.5	4.5

Manual Integrations
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#26

2-Butanone

Concen: 272.41 ug/l

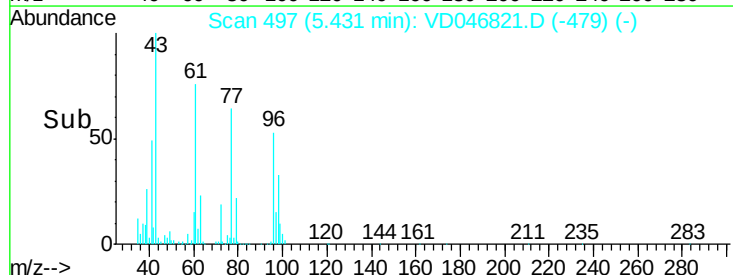
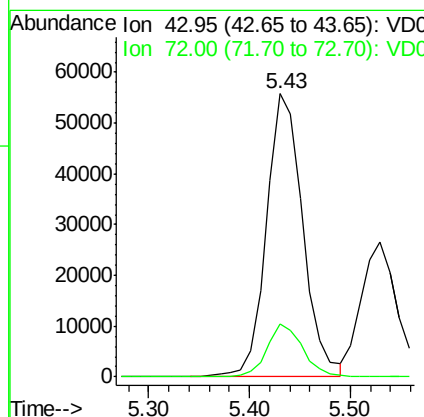
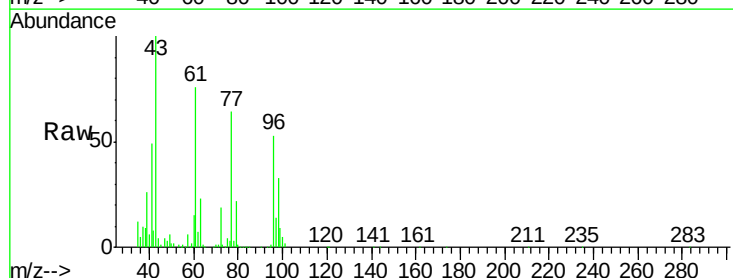
RT: 5.43 min Scan# 497

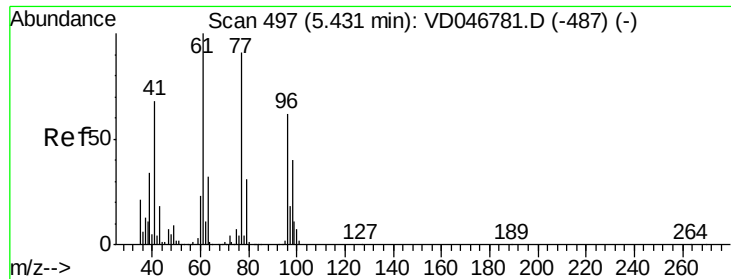
Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Tgt Ion:	43	Resp:	139187
Ion Ratio	Lower	Upper	
43	100		
72	18.6	13.4	20.0





#27

2,2-Dichloropropane

Concen: 42.91 ug/l

RT: 5.41 min Scan# 495

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 77 Resp: 189785

Ion Ratio Lower Upper

77 100

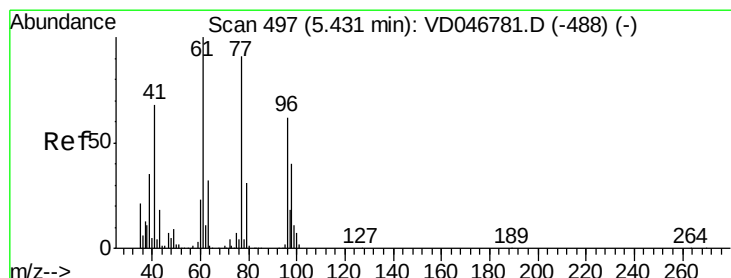
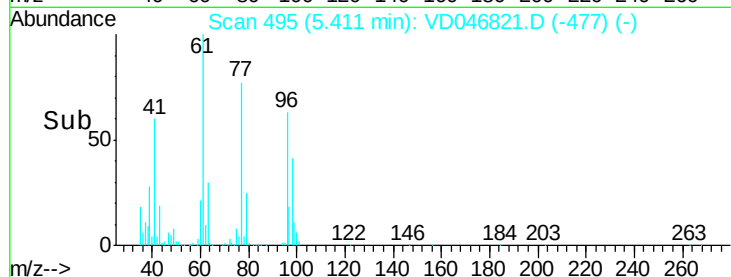
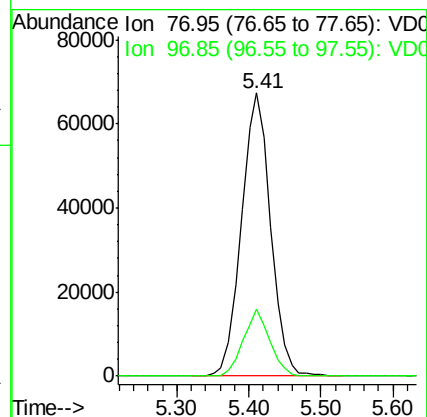
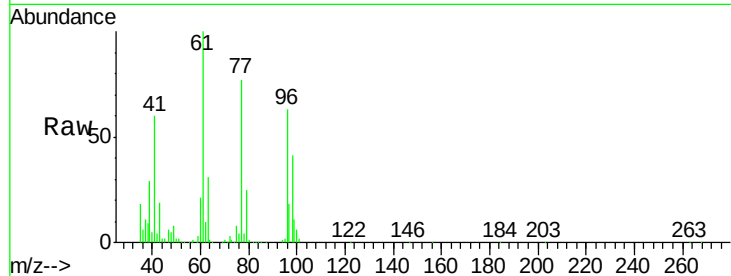
97 23.5 10.4 31.1

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#28

cis-1,2-Dichloroethene

Concen: 54.31 ug/l

RT: 5.41 min Scan# 495

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

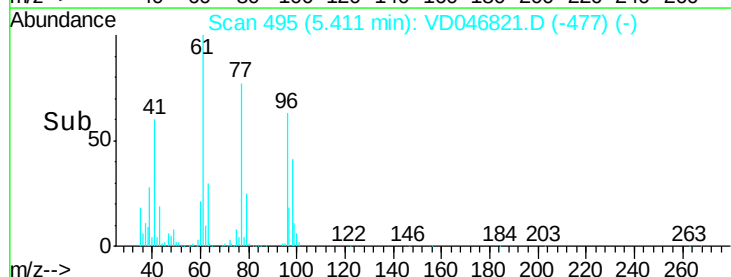
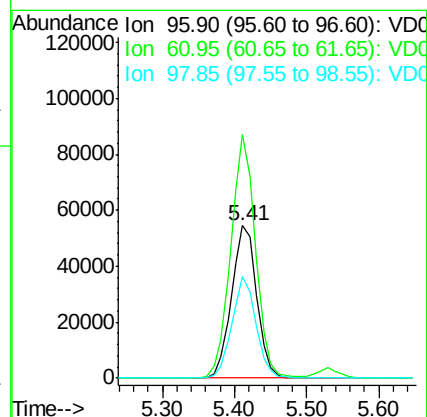
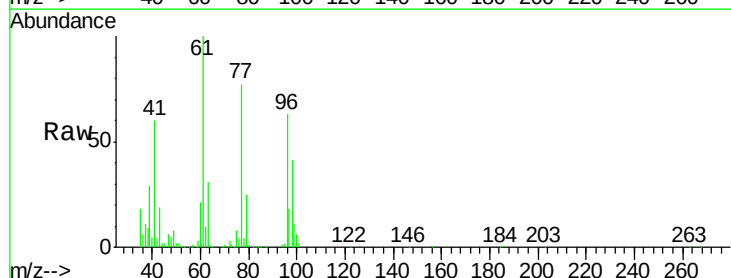
Tgt Ion: 96 Resp: 132198

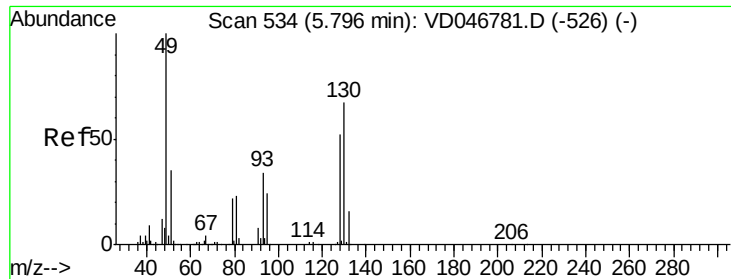
Ion Ratio Lower Upper

96 100

61 159.9 0.0 348.0

98 66.3 0.0 128.8





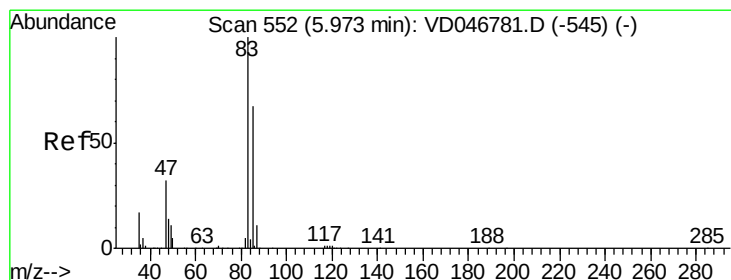
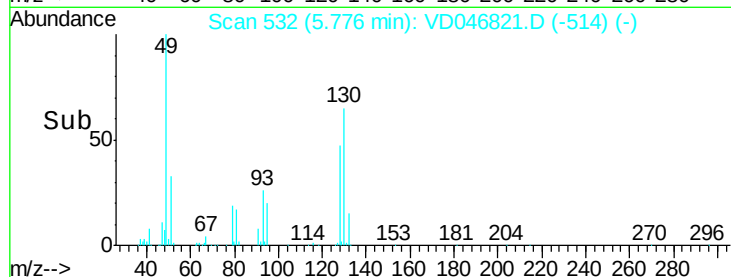
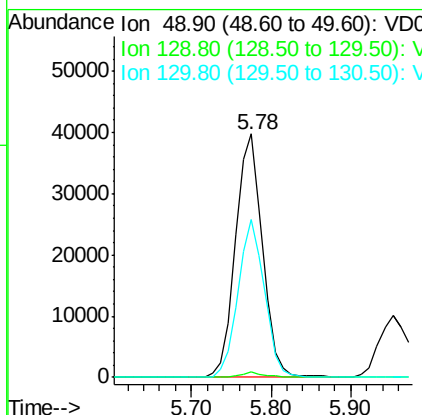
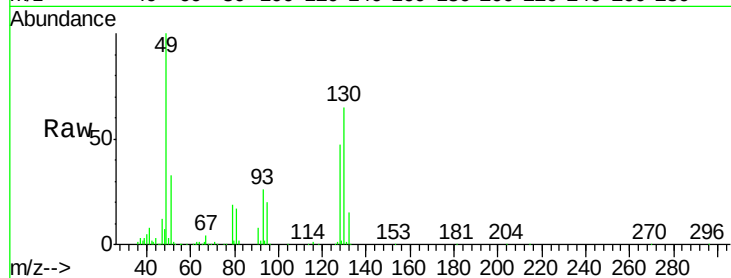
#29
Bromochloromethane
Concen: 55.08 ug/l
RT: 5.78 min Scan# 532
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	2.8
130	65.0	50.2	75.4

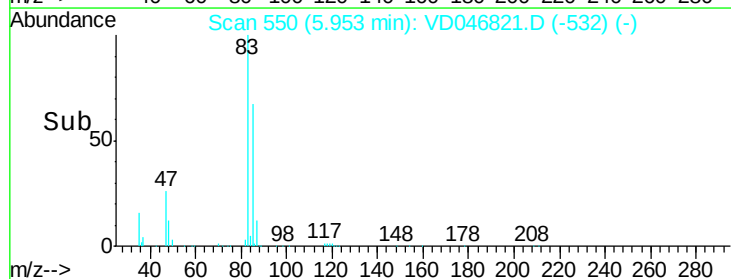
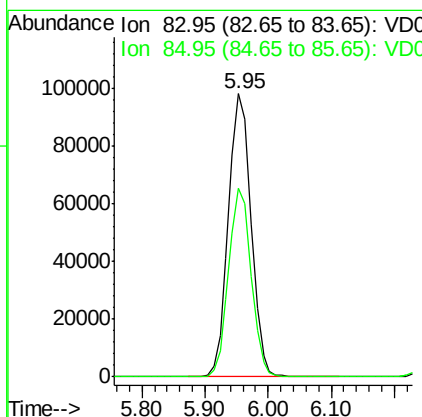
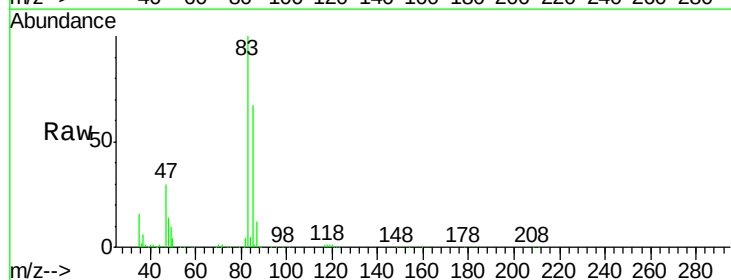
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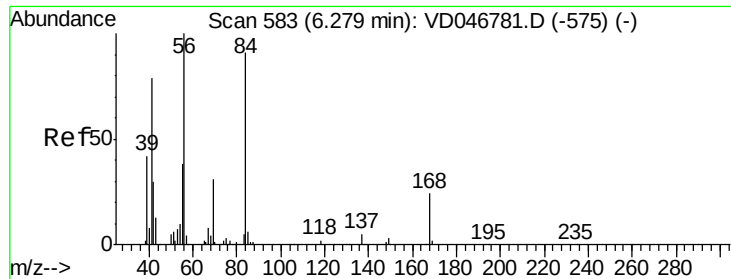
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#30
Chloroform
Concen: 46.99 ug/l
RT: 5.95 min Scan# 550
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	52.5	78.7





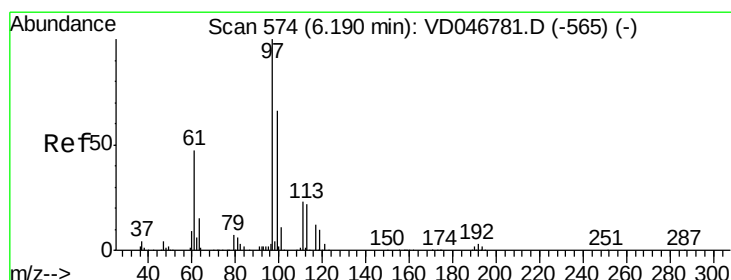
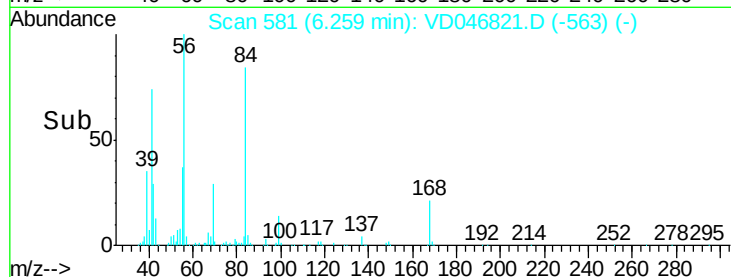
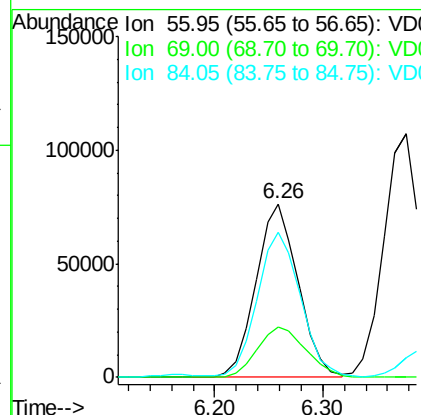
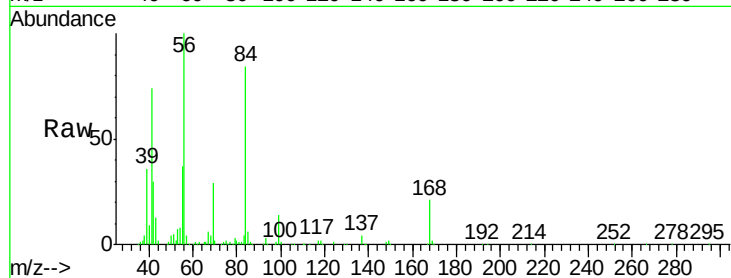
#31
Cyclohexane
Concen: 51.15 ug/l
RT: 6.26 min Scan# 581
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.4	35.0
84	83.8	63.8	95.8

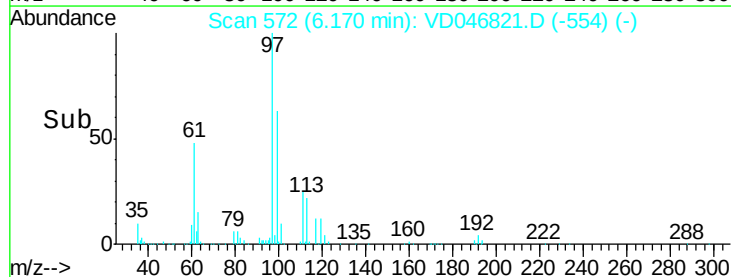
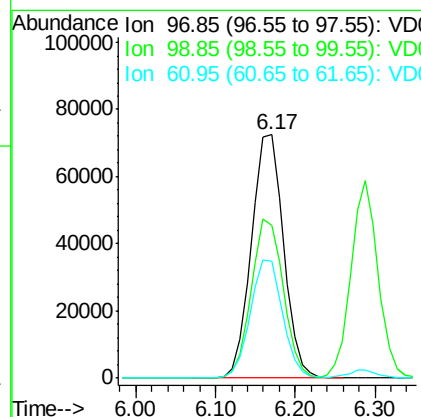
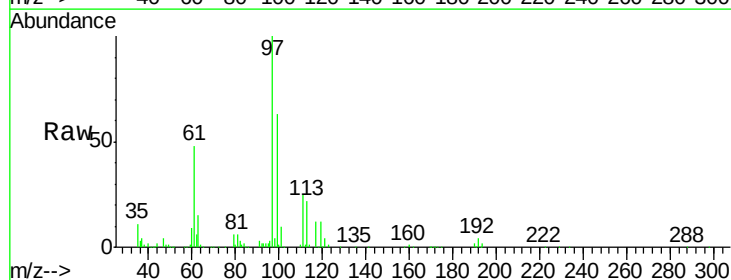
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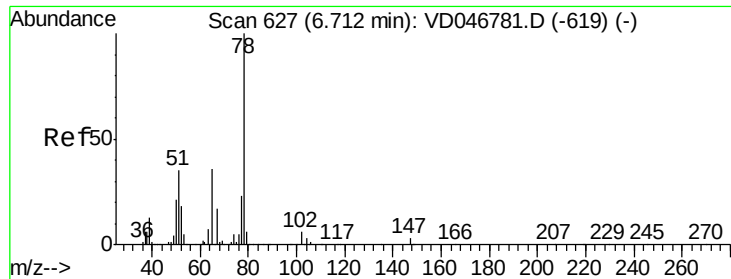
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#32
1,1,1-Trichloroethane
Concen: 43.37 ug/l
RT: 6.17 min Scan# 572
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.5	50.2	75.4
61	47.9	38.6	57.8





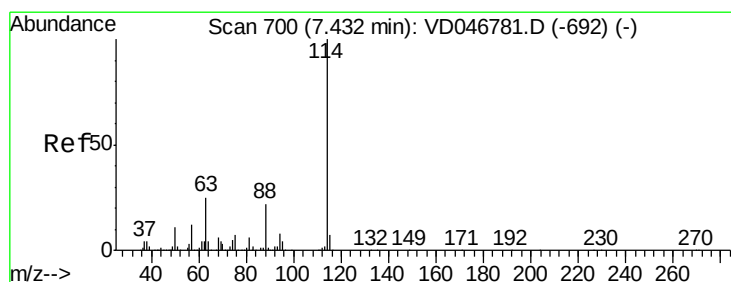
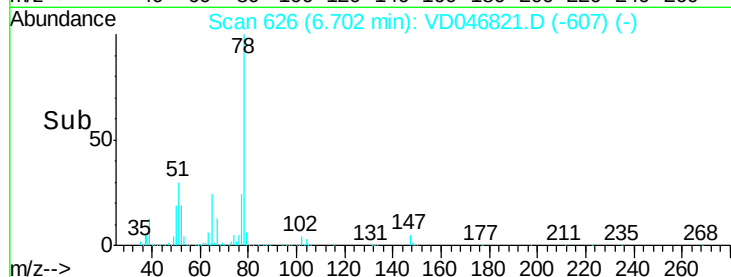
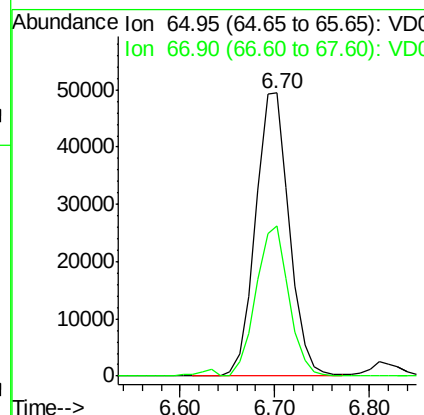
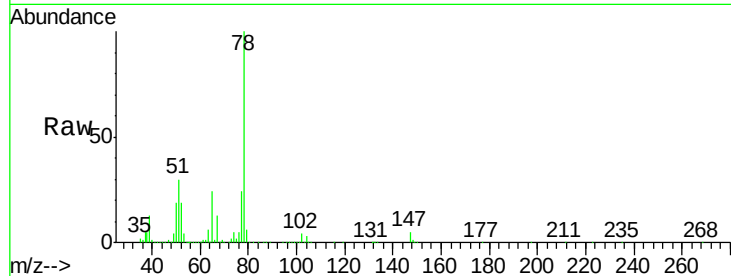
#33
 1,2-Dichloroethane-d4
 Concen: 43.37 ug/l
 RT: 6.70 min Scan# 626
 Delta R.T. -0.01 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.9	0.0	105.4	

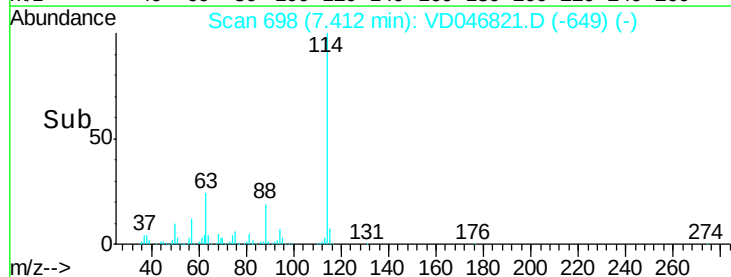
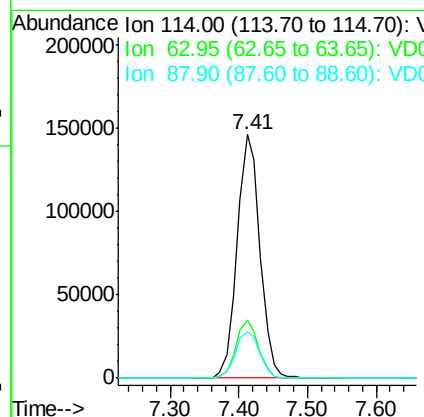
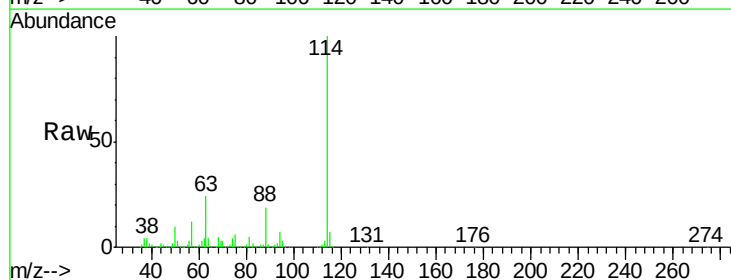
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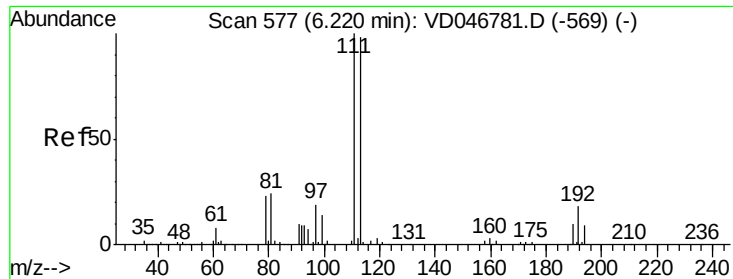
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.41 min Scan# 698
 Delta R.T. -0.02 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.6	0.0	49.8	
88	19.1	0.0	43.6	





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.19 min Scan# 574

Delta R.T. -0.03 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

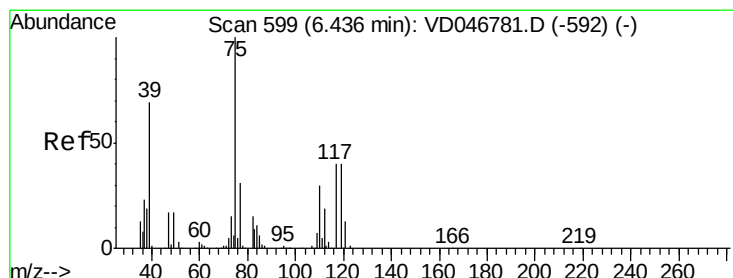
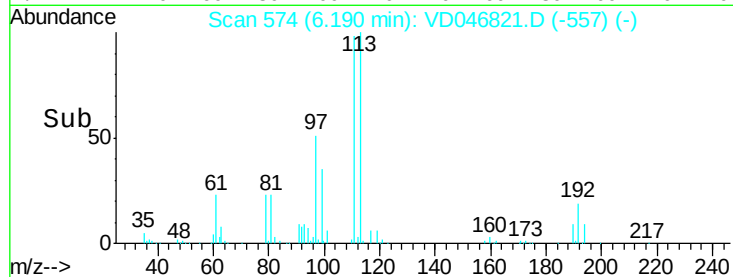
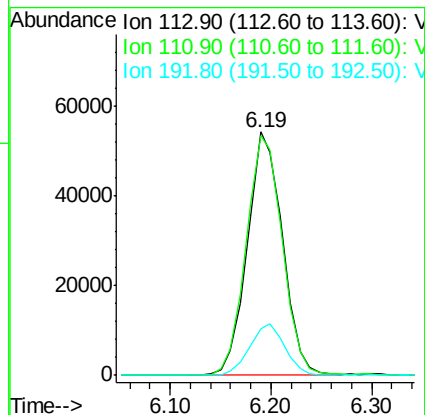
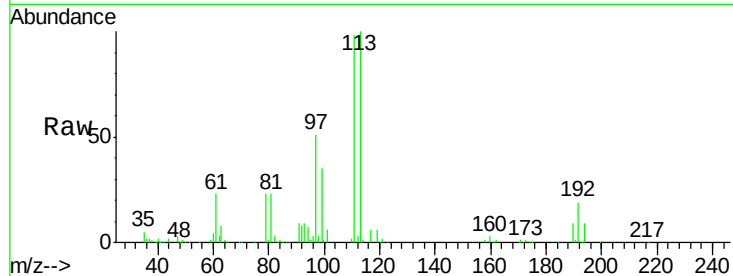
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	131587
Ion Ratio	Lower	Upper	
113	100		
111	98.2	79.4	119.0
192	19.3	14.6	22.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.06 ug/l

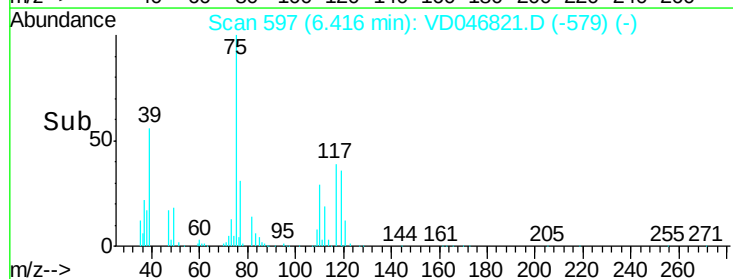
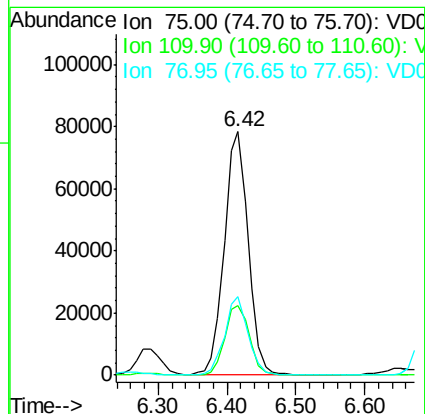
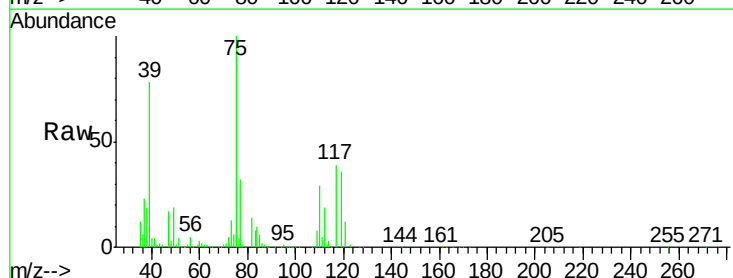
RT: 6.42 min Scan# 597

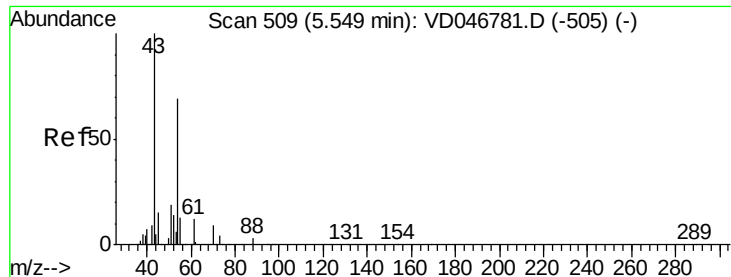
Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Tgt Ion:	75	Resp:	187177
Ion Ratio	Lower	Upper	
75	100		
110	28.5	13.7	41.0
77	32.1	24.7	37.1





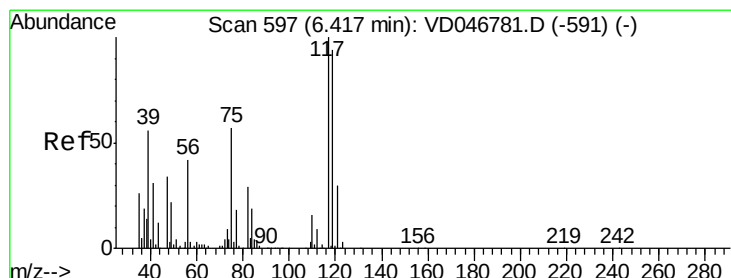
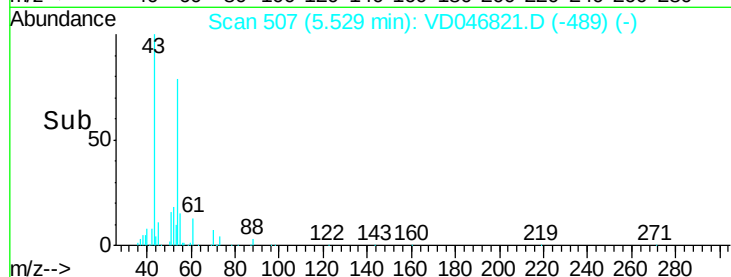
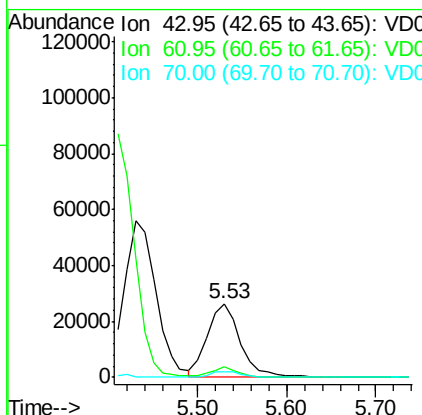
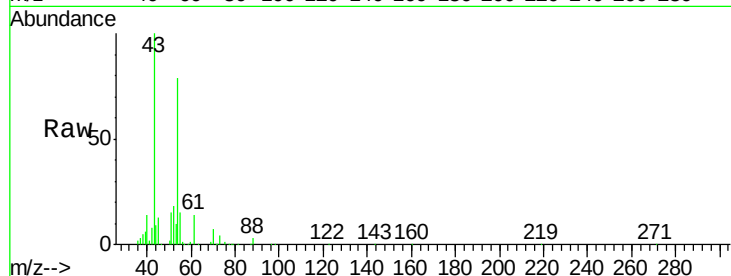
#37
Ethyl Acetate
Concen: 53.62 ug/l
RT: 5.53 min Scan# 507
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	9.4	14.2
70	7.2	6.0	9.0

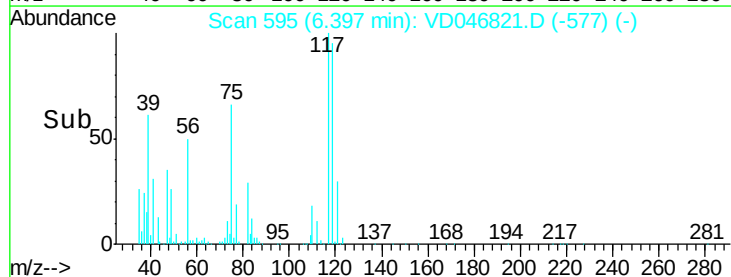
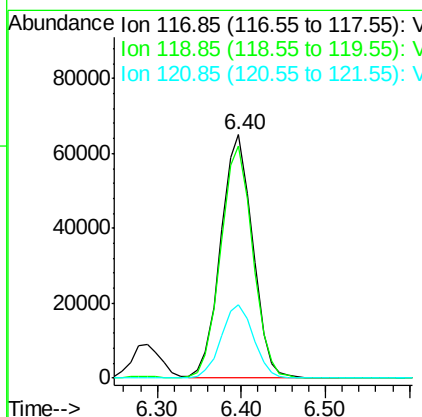
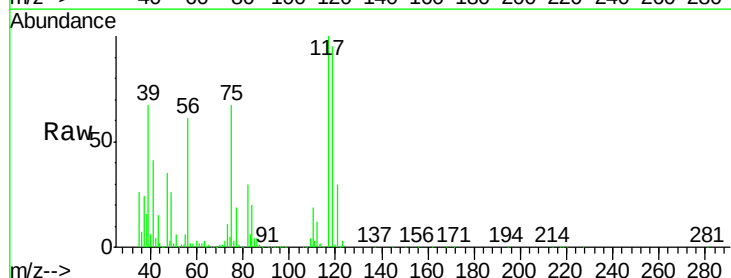
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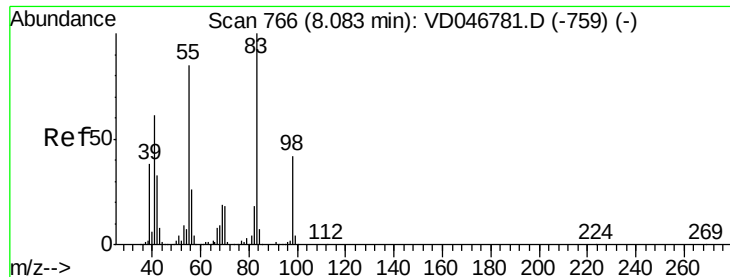
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#38
Carbon Tetrachloride
Concen: 42.26 ug/l
RT: 6.40 min Scan# 595
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.2	114.4
121	30.2	24.5	36.7





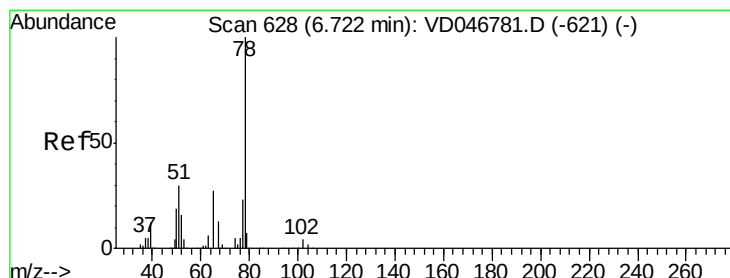
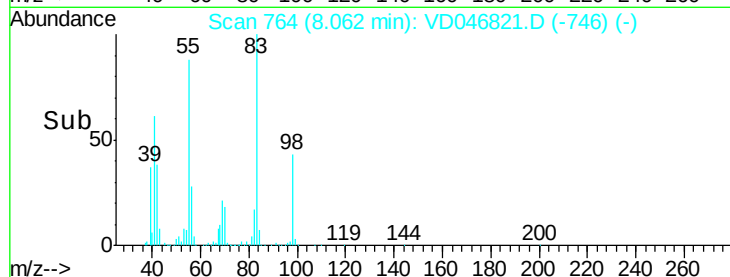
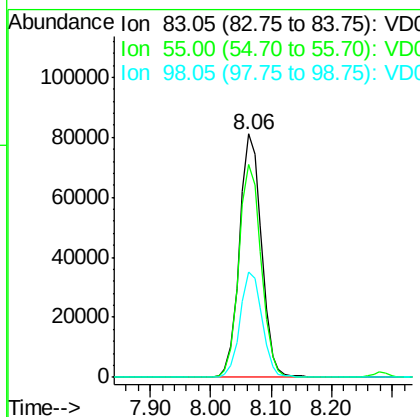
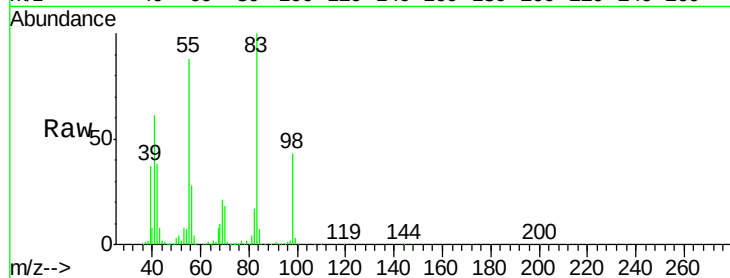
#39
Methylvlcyclohexane
Concen: 52.12 ug/l
RT: 8.06 min Scan# 764
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.6	71.1	106.7
98	43.1	34.6	51.8

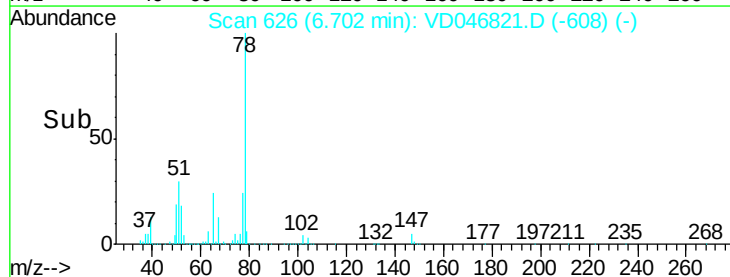
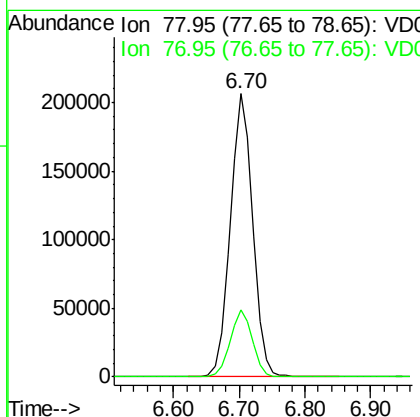
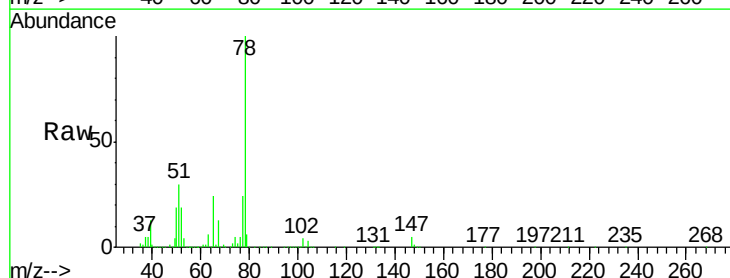
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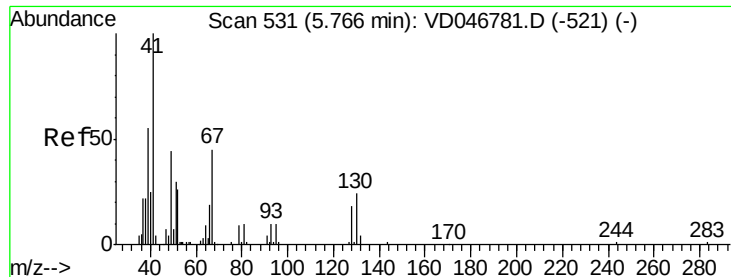
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#40
Benzene
Concen: 49.71 ug/l
RT: 6.70 min Scan# 626
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.9	29.9





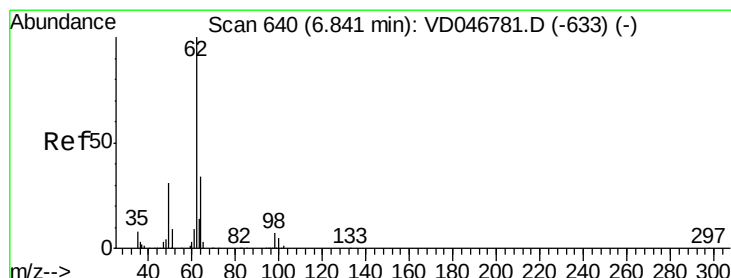
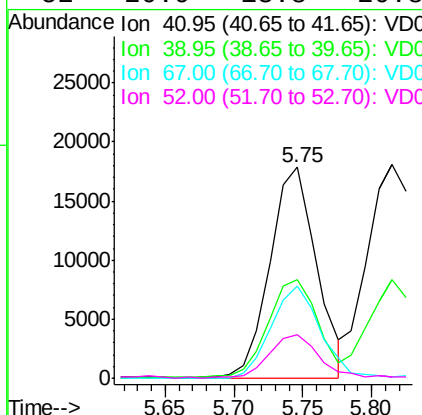
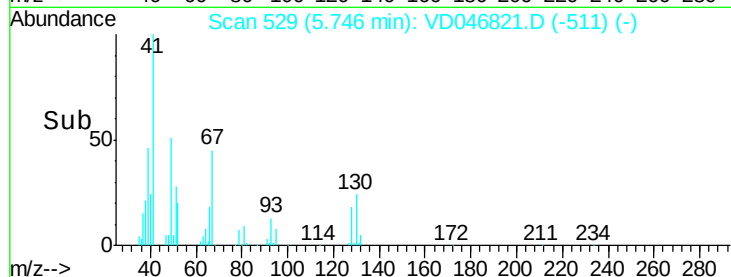
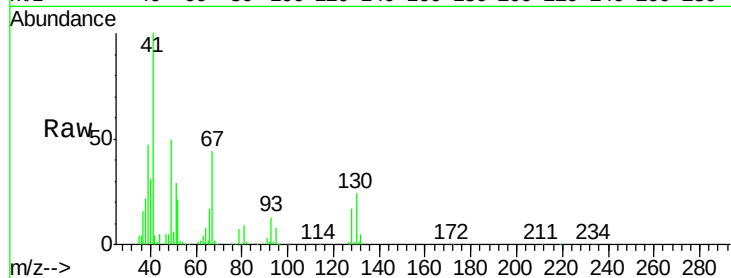
#41
Methacrylonitrile
Concen: 60.05 ug/l
RT: 5.75 min Scan# 529
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	46.9	40.2	60.4
67	43.8	32.0	48.0
52	20.9	13.8	20.8#

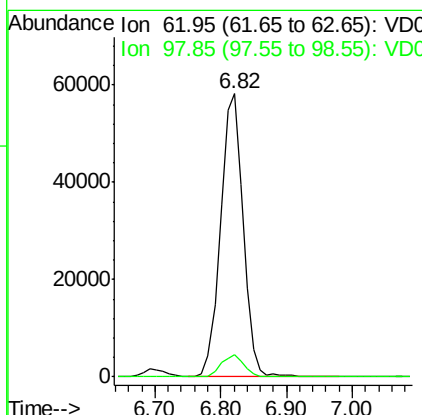
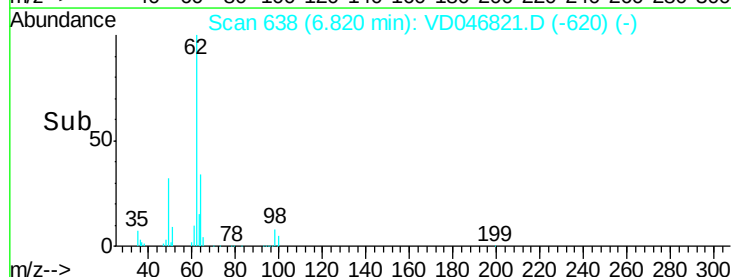
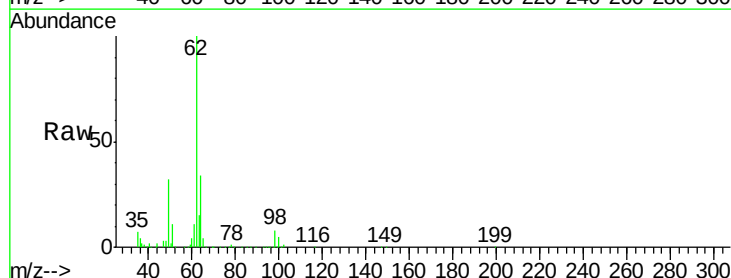
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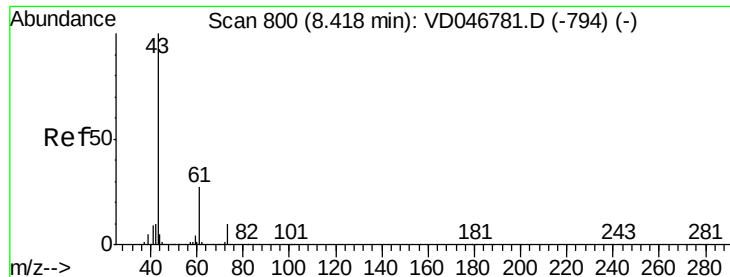
MMDadoda
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#42
1,2-Dichloroethane
Concen: 45.23 ug/l
RT: 6.82 min Scan# 638
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.2





#43

Isopropyl Acetate

Concen: 56.43 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

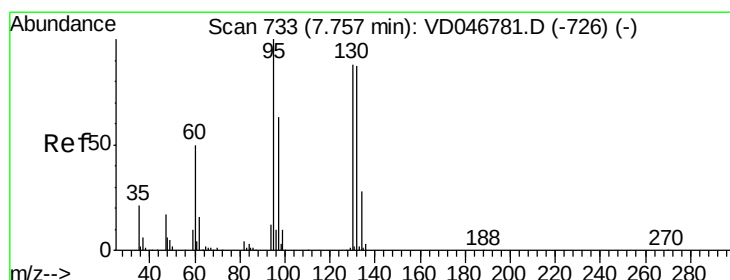
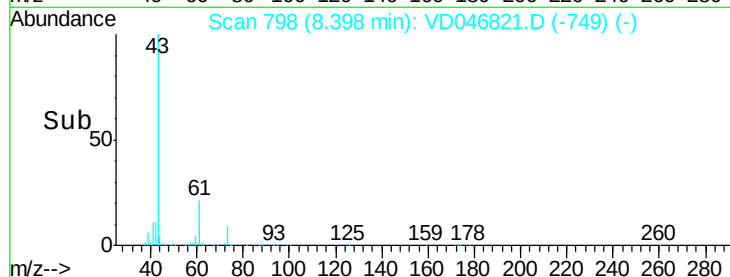
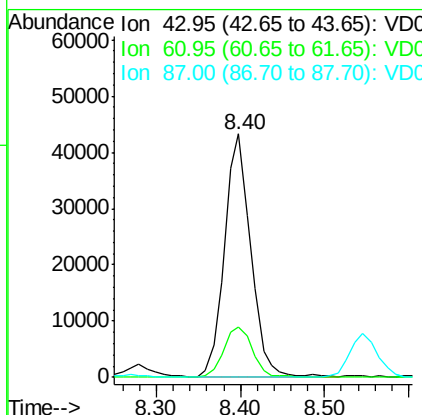
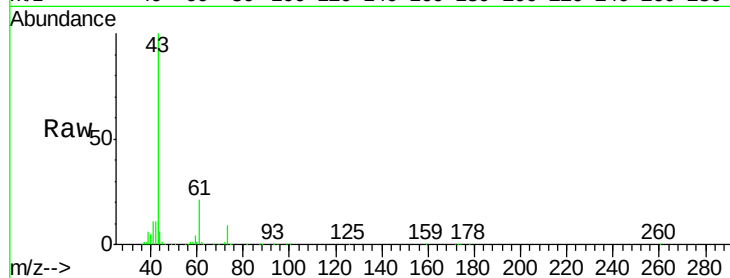
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	93067
Ion	Ratio	Lower	Upper
43	100		
61	20.9	19.5	29.3
87	0.2	0.2	0.2

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#44

Trichloroethene

Concen: 49.89 ug/l

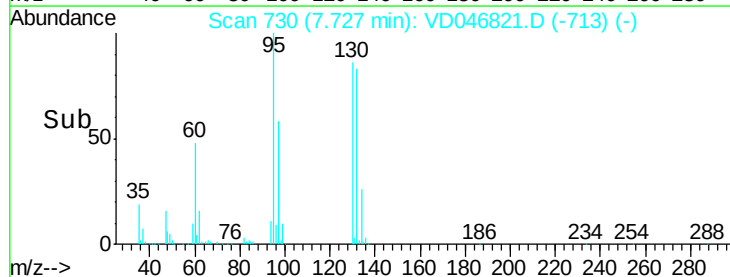
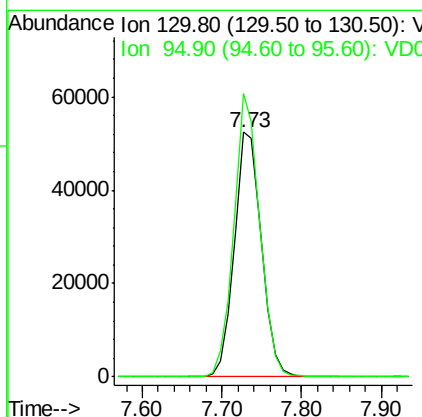
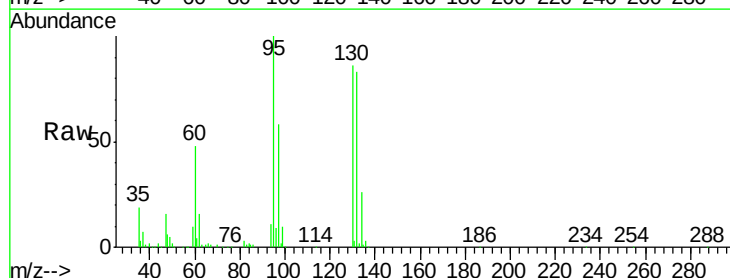
RT: 7.73 min Scan# 730

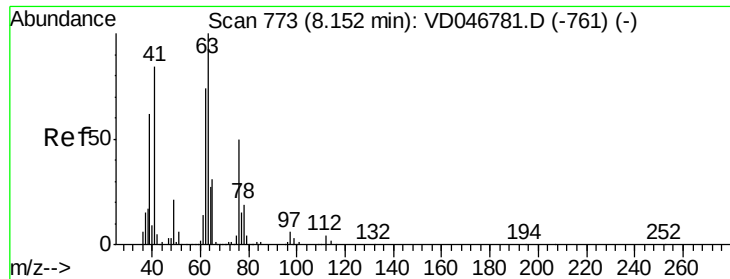
Delta R.T. -0.03 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Tgt Ion:	130	Resp:	124175
Ion	Ratio	Lower	Upper
130	100		
95	115.8	0.0	229.4





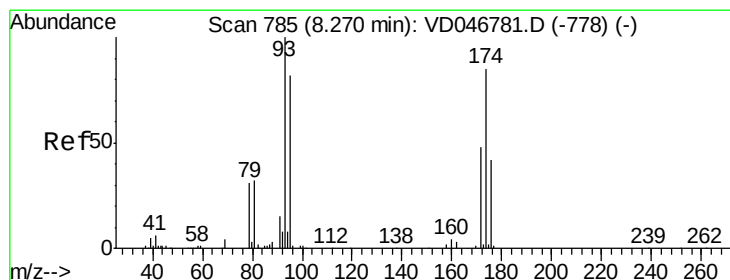
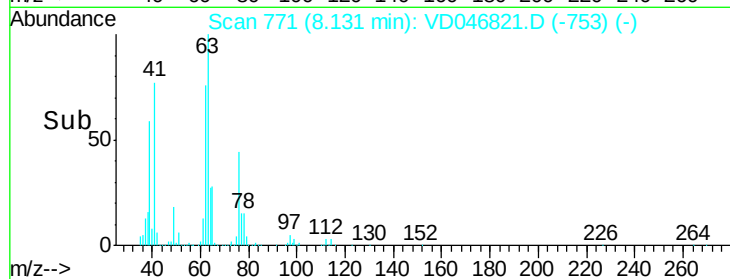
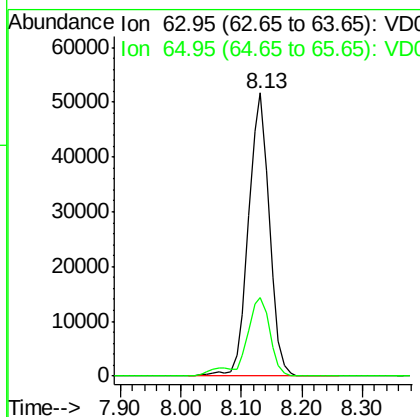
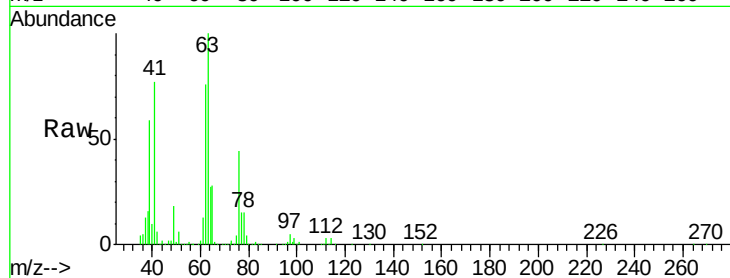
#45
 1,2-Dichloropropane
 Concen: 50.35 ug/l
 RT: 8.13 min Scan# 771
 Delta R.T. -0.02 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	27.8	25.1	37.7

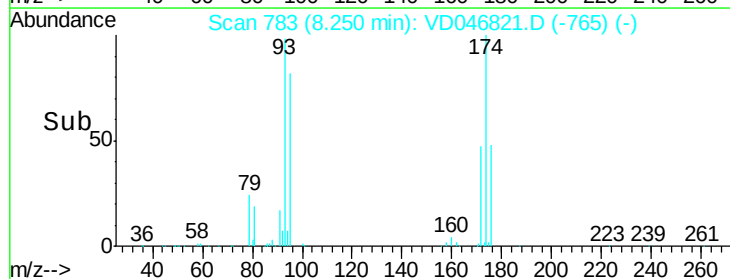
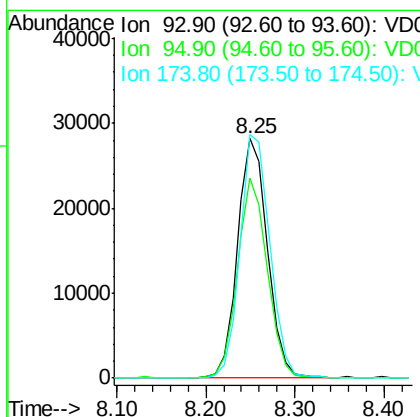
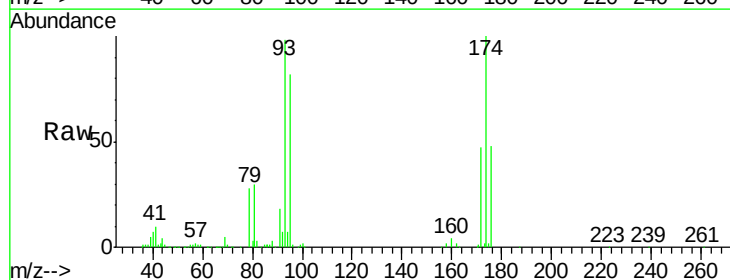
Manual Integrations
 APPROVED

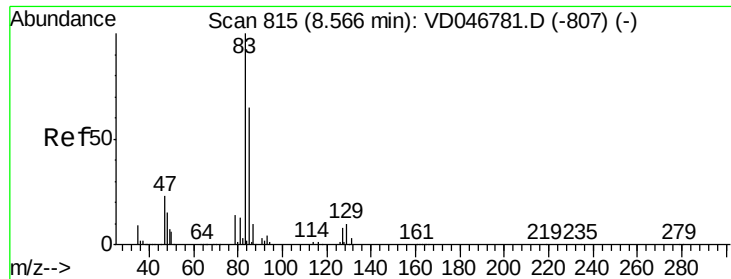
MMDadoda
 9/22/2015 12:41:36 PM



#46
 Dibromomethane
 Concen: 47.16 ug/l
 RT: 8.25 min Scan# 783
 Delta R.T. -0.02 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	70.2	105.2
174	101.6	79.0	118.4





#47

Bromodichloromethane

Concen: 45.95 ug/l

RT: 8.55 min Scan# 813

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

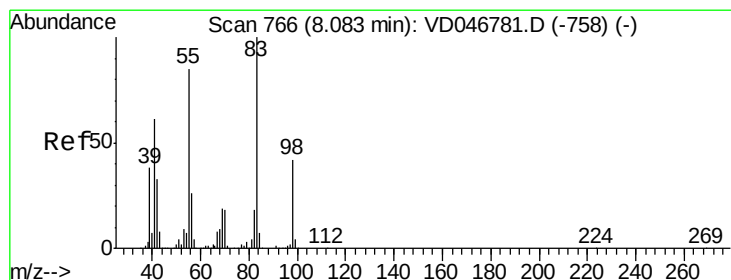
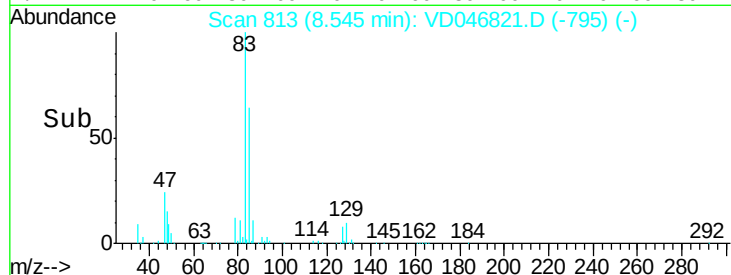
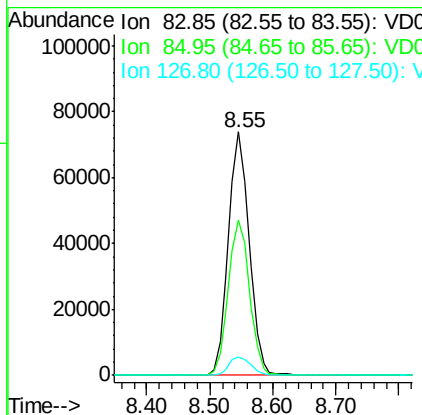
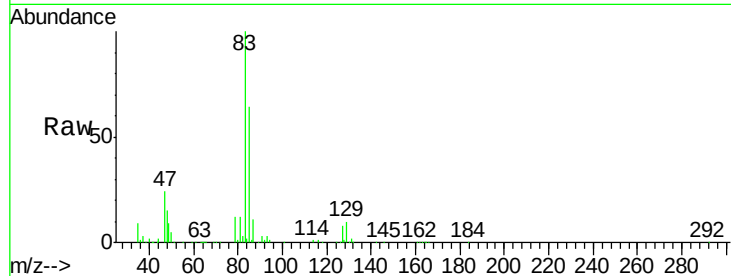
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	168662
Ion Ratio	Lower	Upper	
83	100		
85	63.9	52.6	78.8
127	7.8	5.7	8.5

Manual Integrations
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9/22/2015 12:41:36 PM



#48

Methyl methacrylate

Concen: 54.45 ug/l

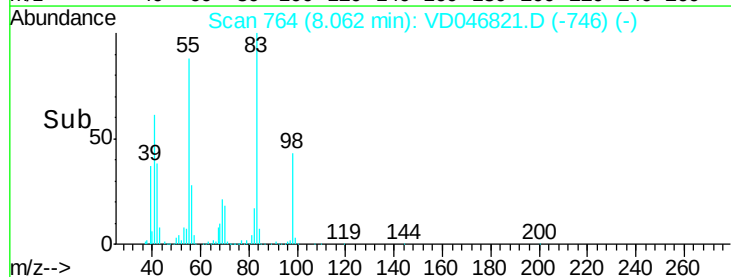
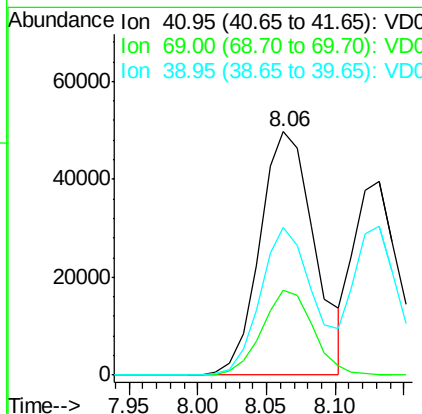
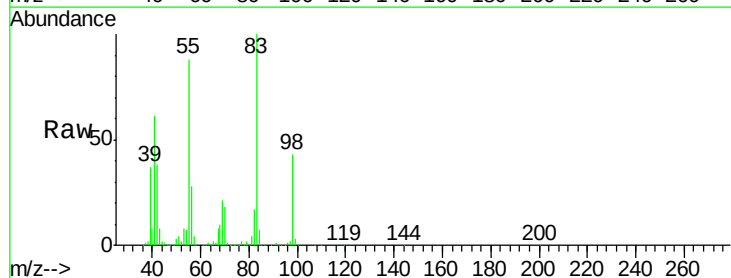
RT: 8.06 min Scan# 764

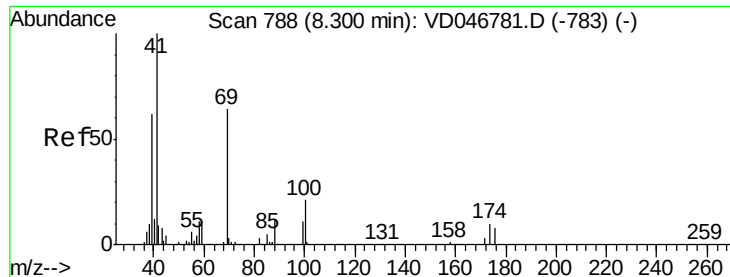
Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Tgt Ion:	41	Resp:	137284
Ion Ratio	Lower	Upper	
41	100		
69	34.8	25.3	37.9
39	60.6	47.4	71.0





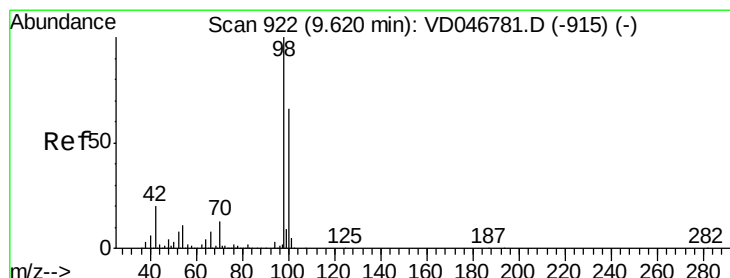
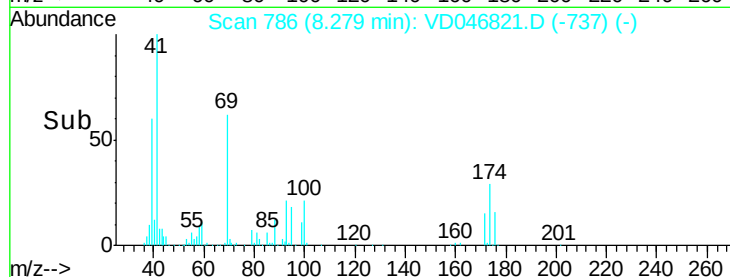
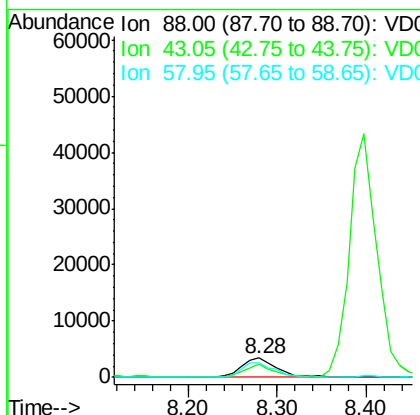
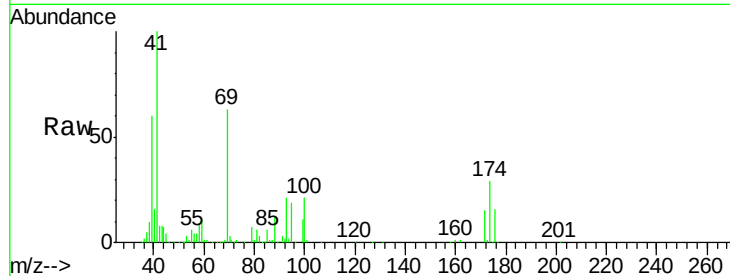
#49
1,4-Dioxane
Concen: 1022.23 ug/l
RT: 8.28 min Scan# 786
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	68.5	50.0	75.0	
58	73.5	48.3	72.5	

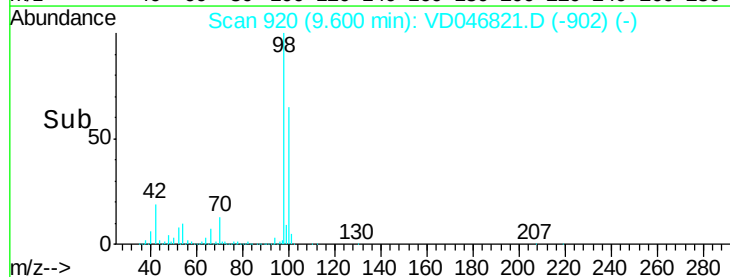
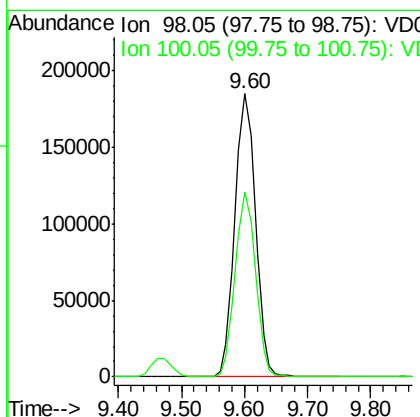
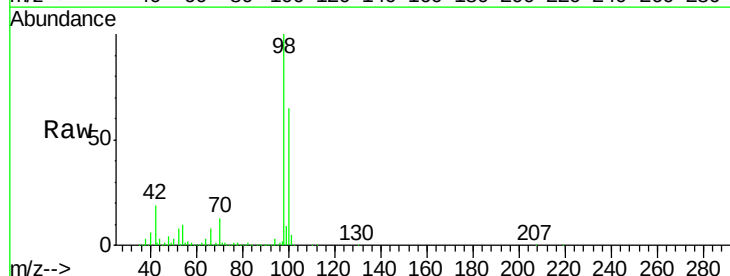
Manual Integrations
APPROVED

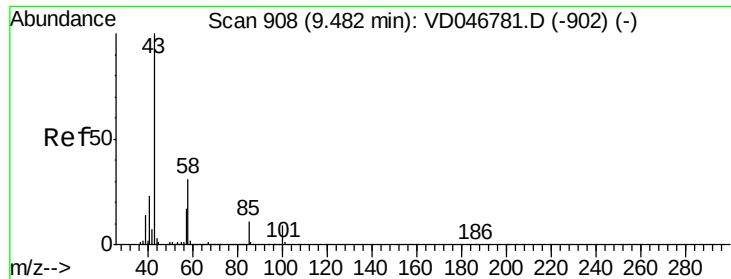
MMDadoda
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#50
Toluene-d8
Concen: 1022.23 ug/l
RT: 9.60 min Scan# 920
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	65.4	49.9	74.9	





#51

4-Methyl-2-Pentanone

Concen: 277.76 ug/l

RT: 9.46 min Scan# 906

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 330981

Ion Ratio Lower Upper

43 100

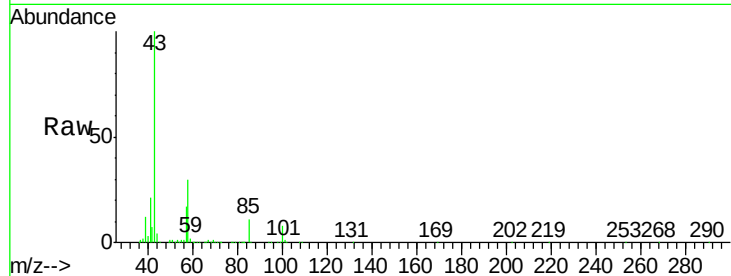
58 29.7 22.2 33.2

Manual Integrations

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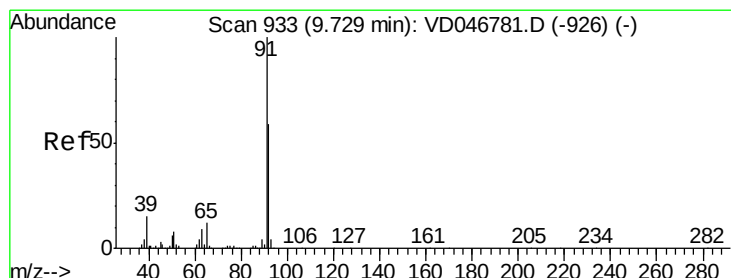
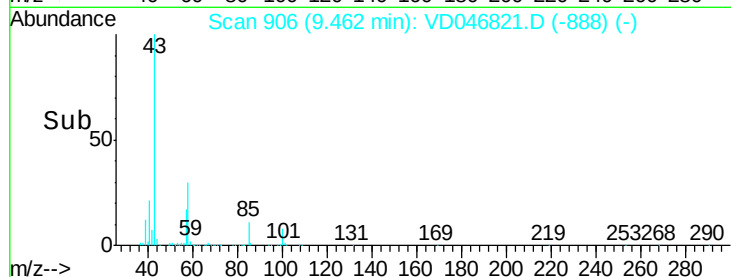
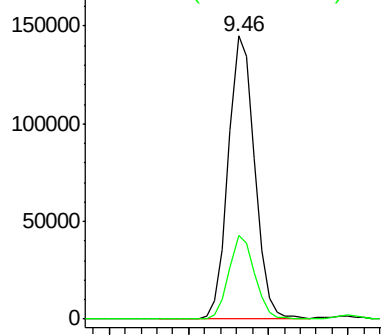
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 47.93 ug/l

RT: 9.70 min Scan# 930

Delta R.T. -0.03 min

Lab File: VD046821.D

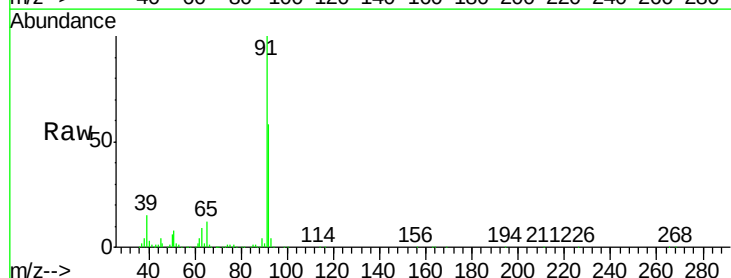
Acq: 21 Sep 2015 21:35

Tgt Ion: 92 Resp: 293935

Ion Ratio Lower Upper

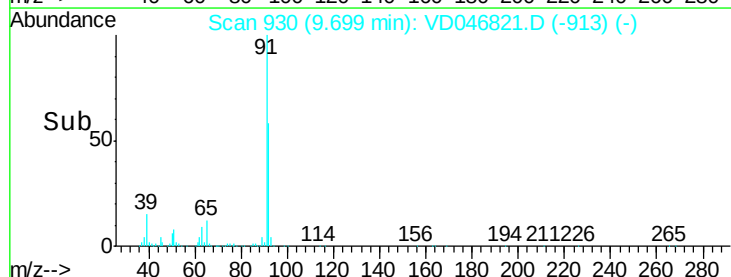
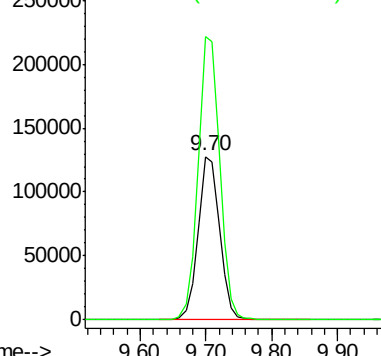
92 100

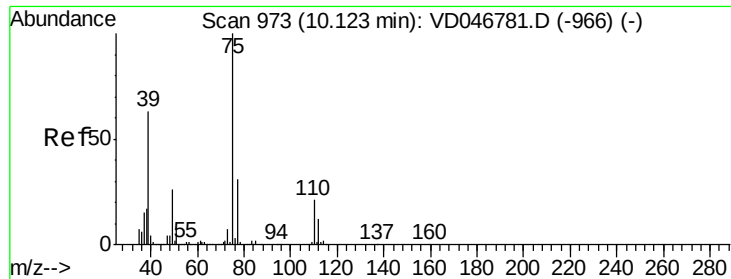
91 173.2 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





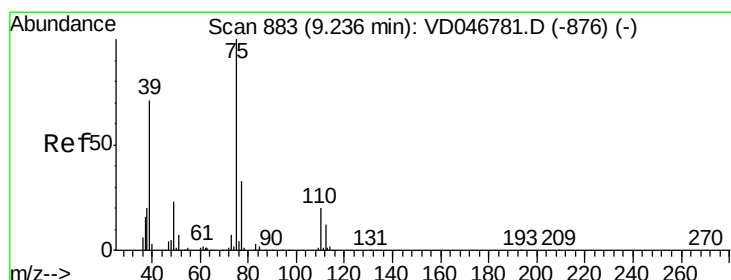
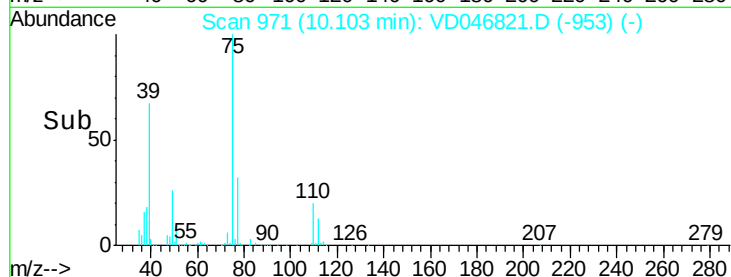
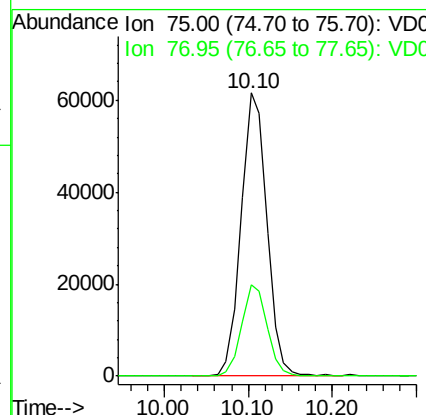
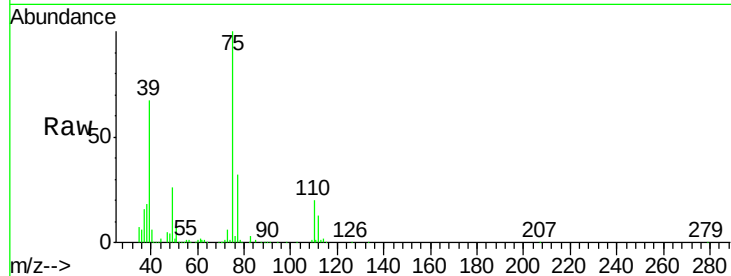
#53
 t-1,3-Dichloropropene
 Concen: 48.60 ug/l
 RT: 10.10 min Scan# 971
 Delta R.T. -0.02 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	27.6	41.4

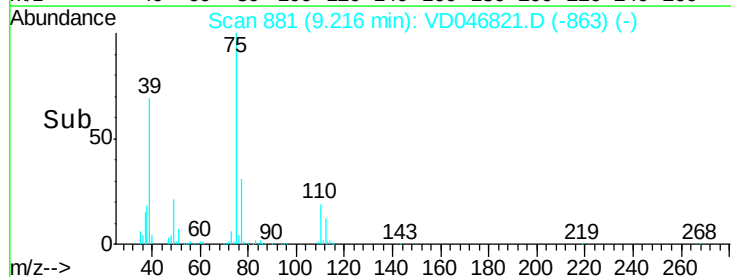
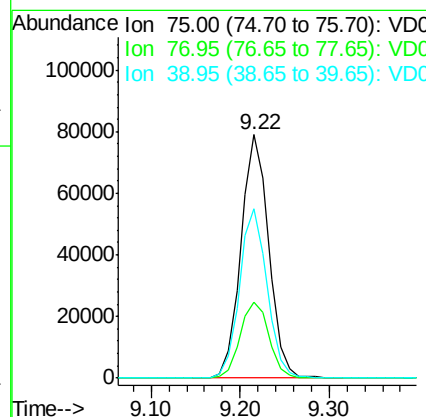
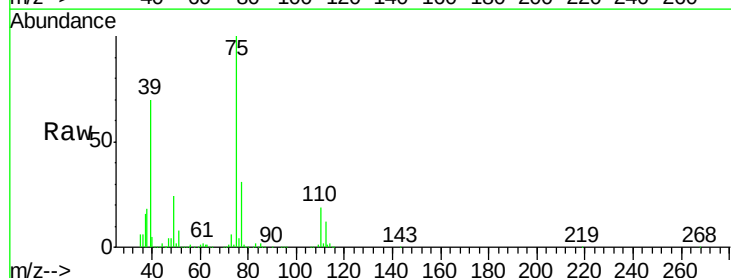
Manual Integrations
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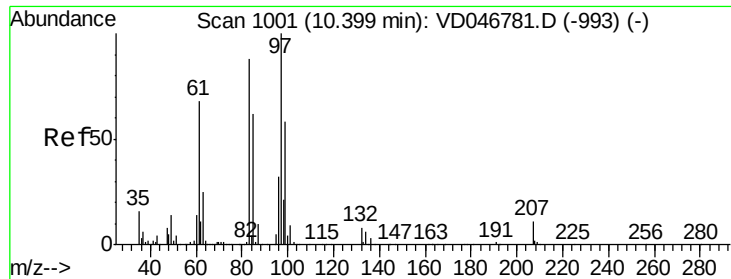
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#54
 cis-1,3-Dichloropropene
 Concen: 49.20 ug/l
 RT: 9.22 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	23.8	35.6
39	69.7	53.0	79.6





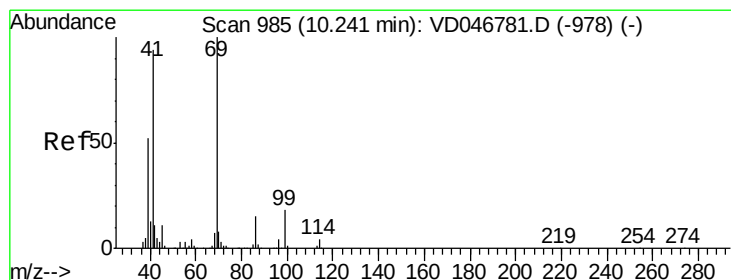
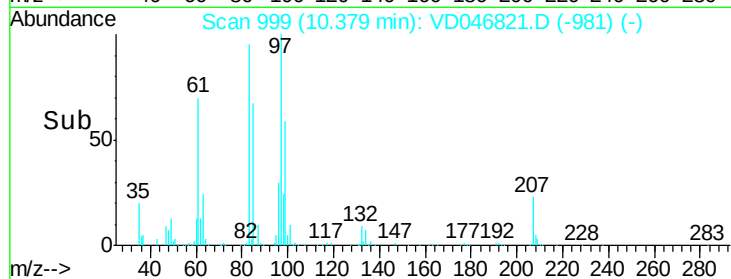
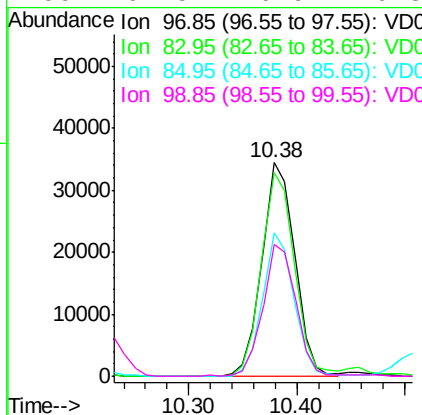
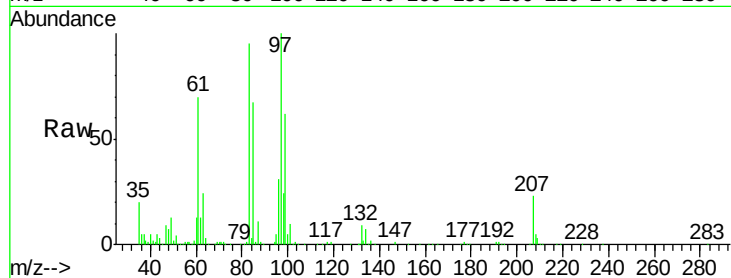
#55
 1,1,2-Trichloroethane
 Concen: 46.11 ug/l
 RT: 10.38 min Scan# 999
 Delta R.T. -0.02 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	73214
Ion	Ratio	Lower	Upper
97	100		
83	95.4	75.3	112.9
85	67.1	50.9	76.3
99	61.5	46.9	70.3

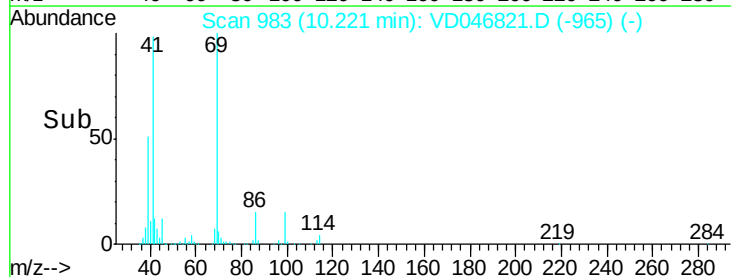
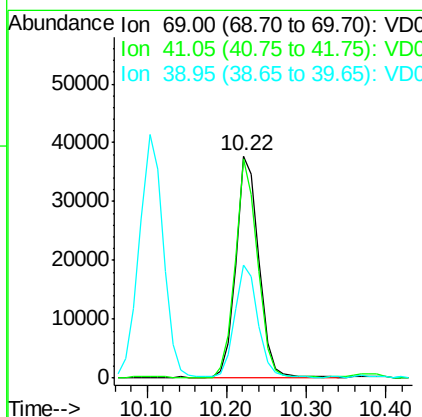
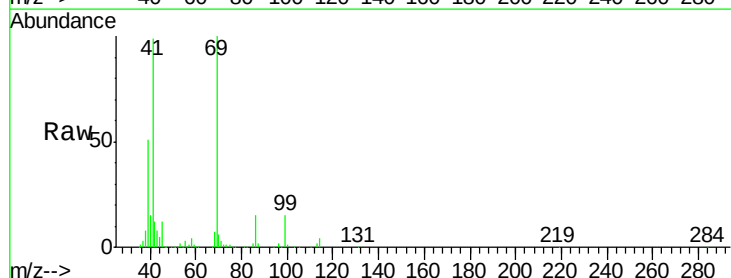
Manual Integrations
 APPROVED

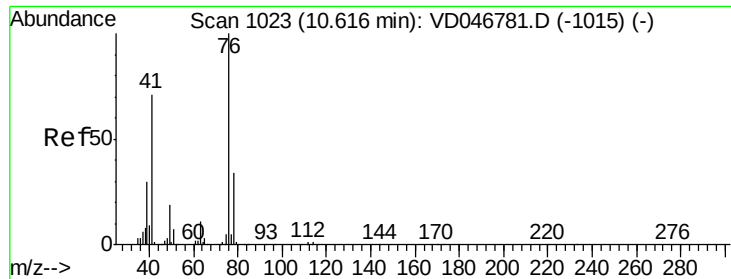
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#56
 Ethyl methacrylate
 Concen: 46.25 ug/l
 RT: 10.22 min Scan# 983
 Delta R.T. -0.02 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

Tgt Ion:	69	Resp:	75666
Ion	Ratio	Lower	Upper
69	100		
41	98.8	75.4	113.0
39	50.8	41.0	61.4





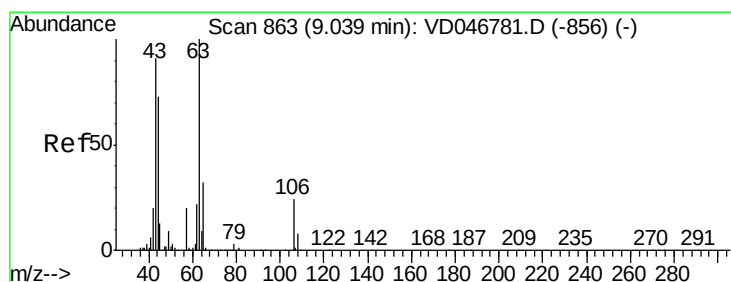
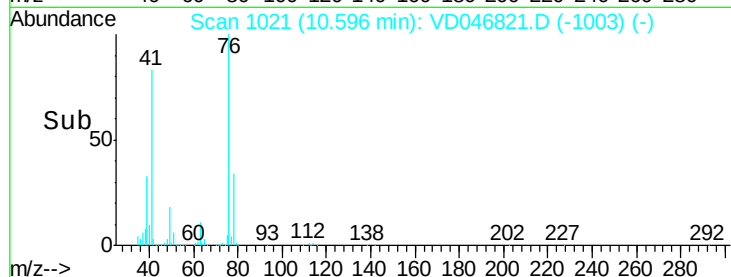
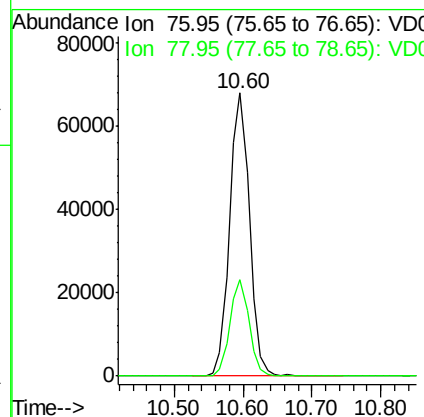
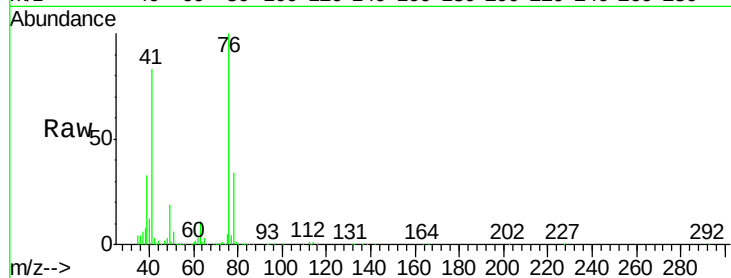
#57
 1,3-Dichloropropane
 Concen: 45.96 ug/l
 RT: 10.60 min Scan# 1021
 Delta R.T. -0.02 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.3	26.6	39.8

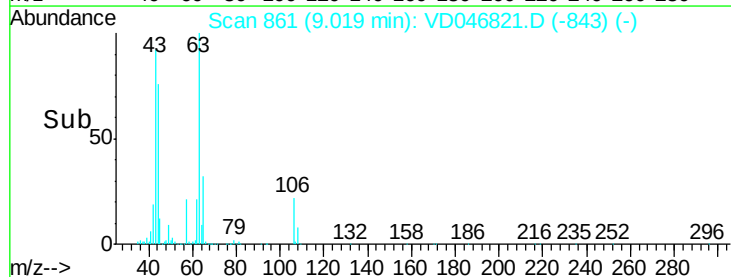
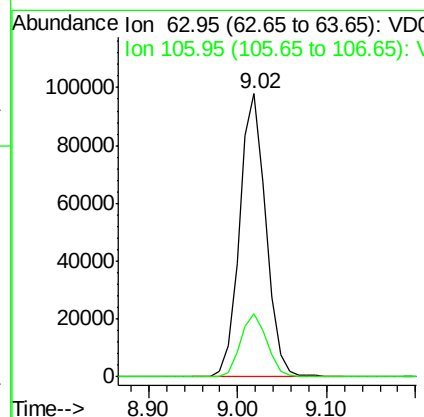
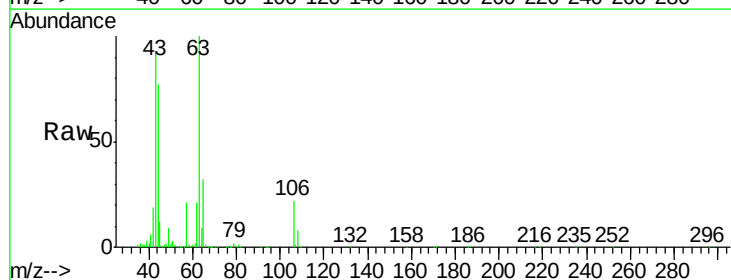
Manual Integrations
 APPROVED

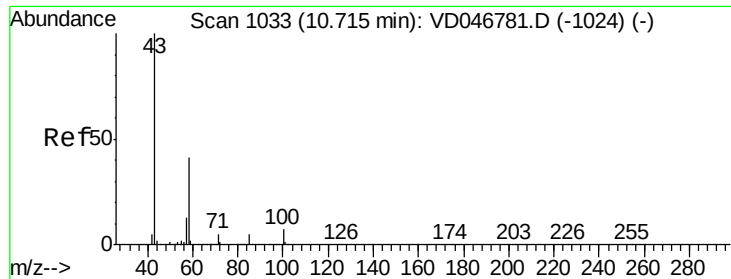
MMDadoda
 9/22/2015 12:41:36 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 257.42 ug/l
 RT: 9.02 min Scan# 861
 Delta R.T. -0.02 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

Tgt Ion	Ratio	Lower	Upper
63	100		
106	22.2	17.8	26.8





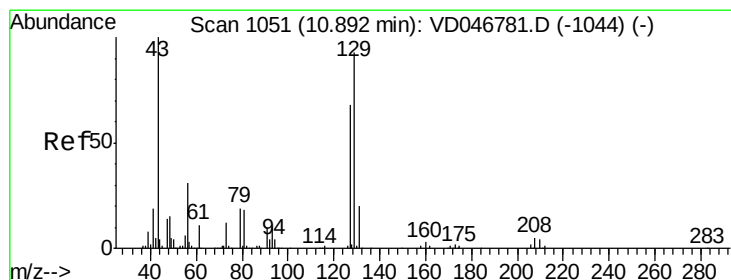
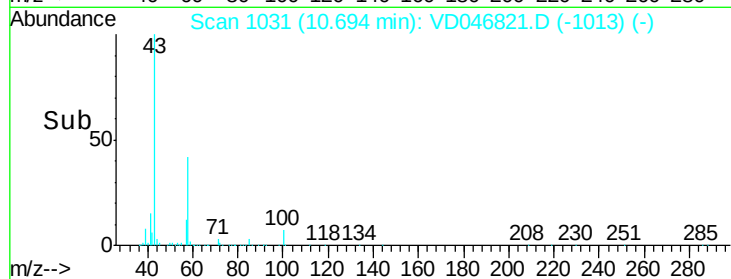
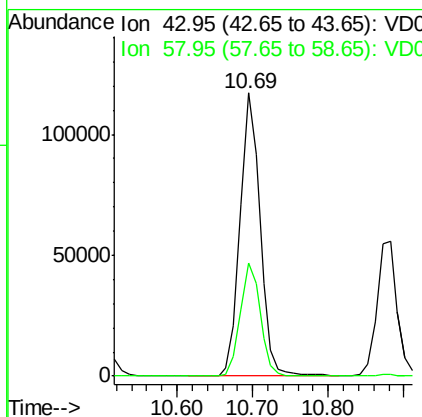
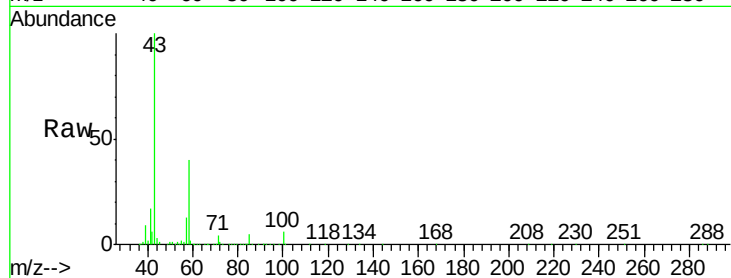
#59
2-Hexanone
Concen: 249.34 ug/l
RT: 10.69 min Scan# 1031
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.0	18.6	55.8

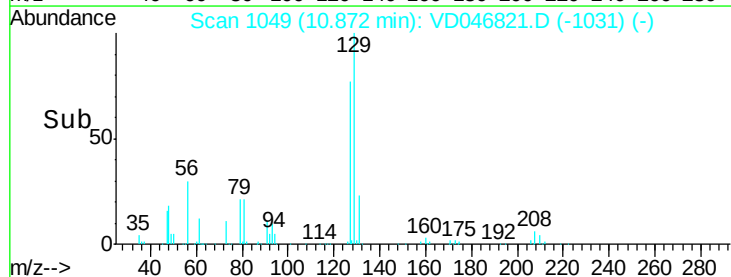
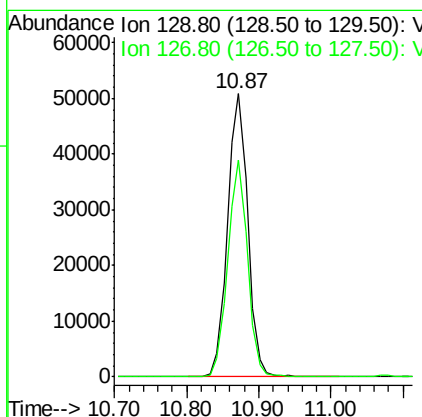
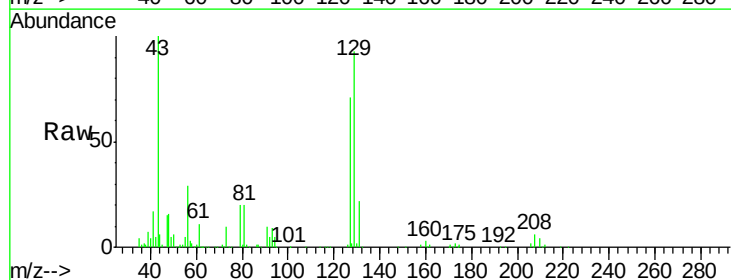
Manual Integrations
APPROVED

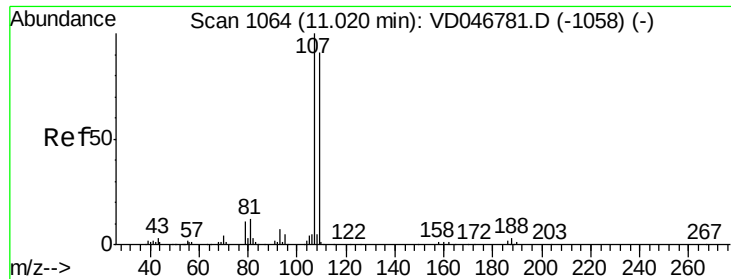
MMDadoda
9/22/2015 12:41:36 PM



#60
Dibromochloromethane
Concen: 45.51 ug/l
RT: 10.87 min Scan# 1049
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.2	114.6





#61

1,2-Dibromoethane

Concen: 45.03 ug/l

RT: 11.01 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 70591

Ion Ratio Lower Upper

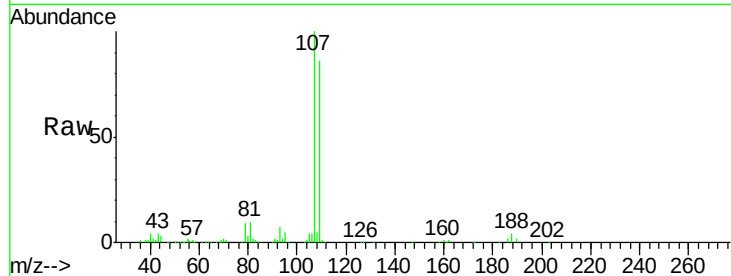
107 100

109 85.5 71.4 107.0

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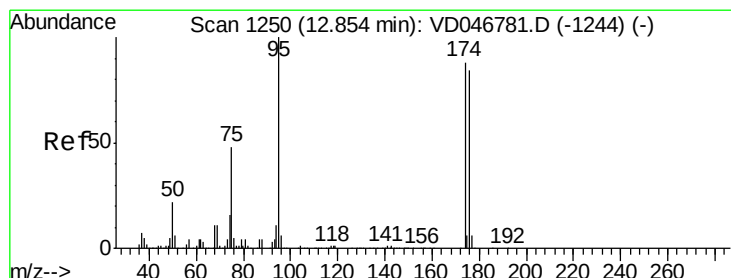
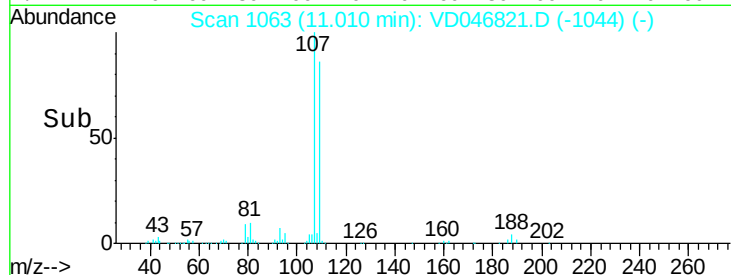
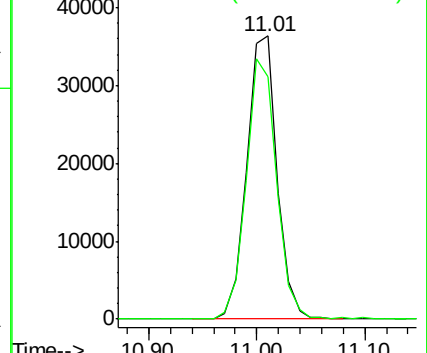
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 45.03 ug/l

RT: 12.83 min Scan# 1248

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

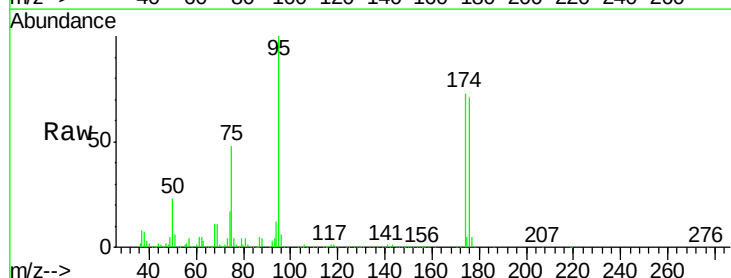
Tgt Ion: 95 Resp: 144427

Ion Ratio Lower Upper

95 100

174 73.2 0.0 149.8

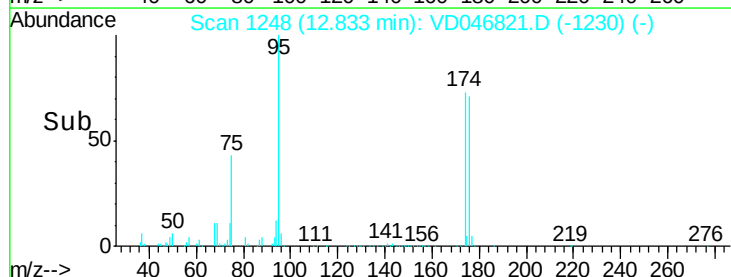
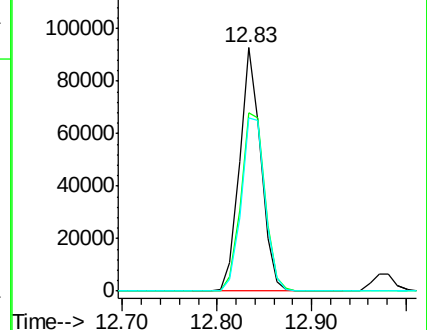
176 71.1 0.0 143.4

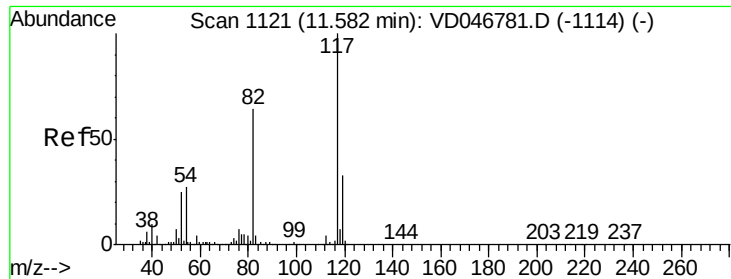


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





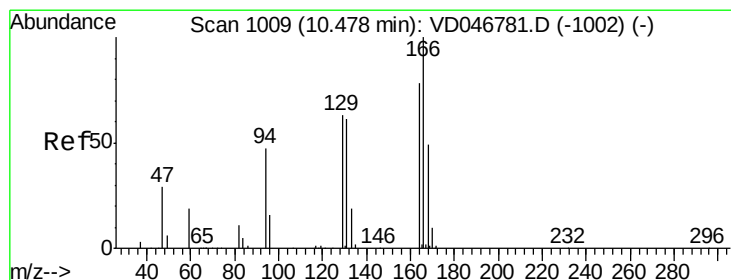
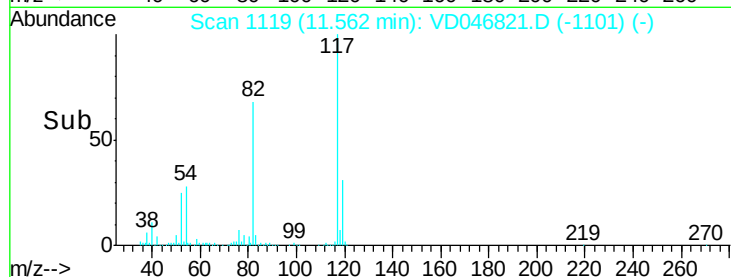
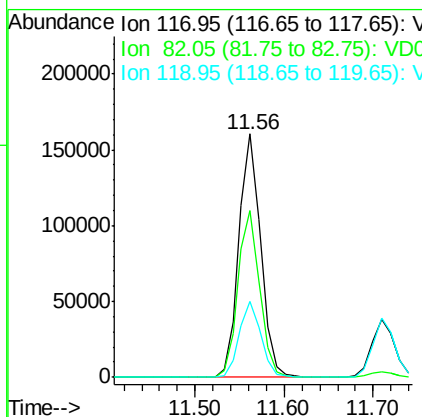
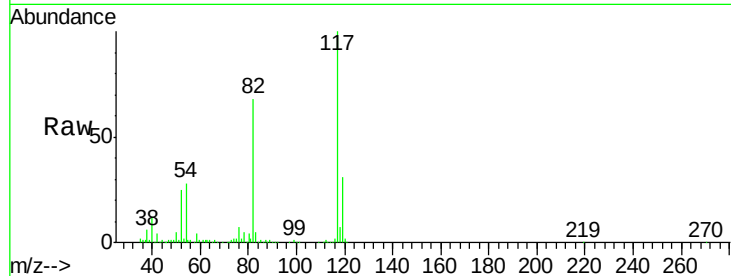
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.56 min Scan# 1119
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.3	50.6	75.8
119	31.1	25.8	38.8

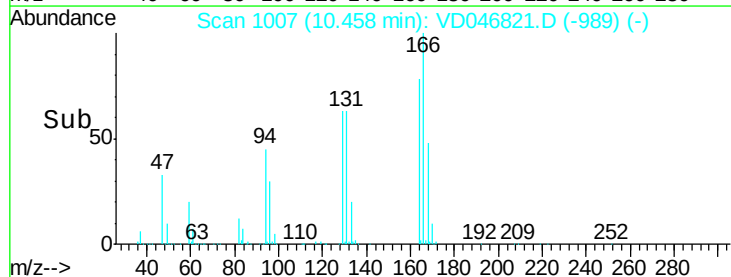
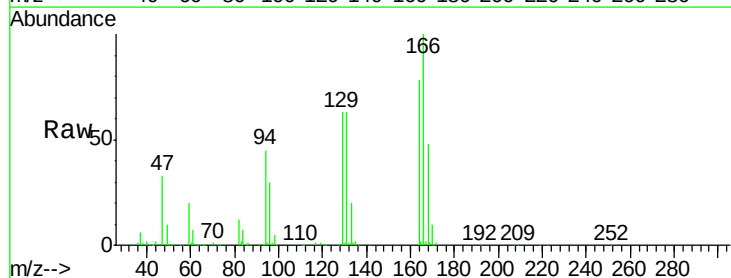
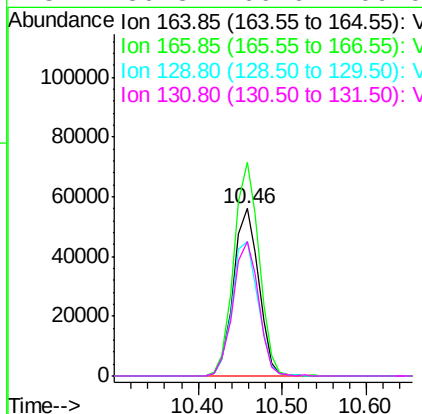
Manual Integrations
APPROVED

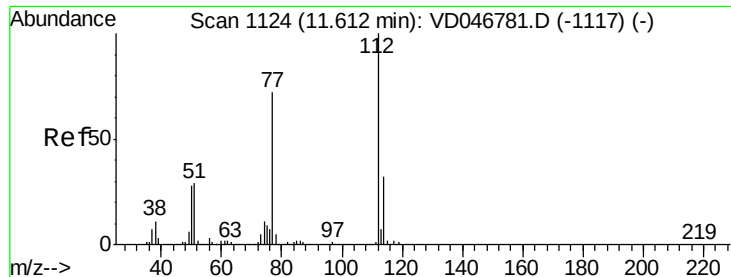
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#64
Tetrachloroethene
Concen: 52.63 ug/l
RT: 10.46 min Scan# 1007
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	106.8	160.2
129	80.6	70.6	106.0
131	80.3	66.6	100.0





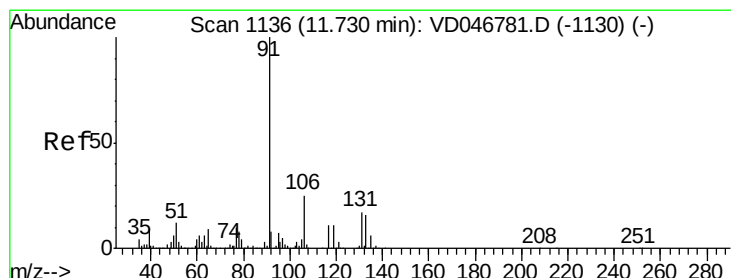
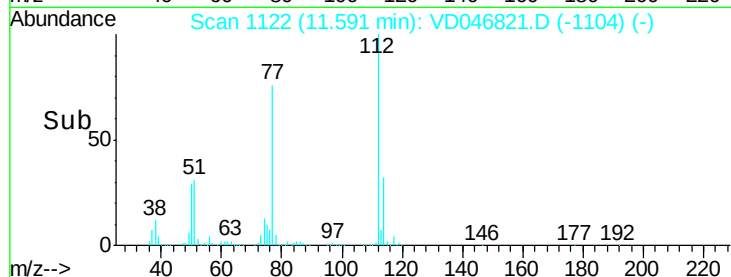
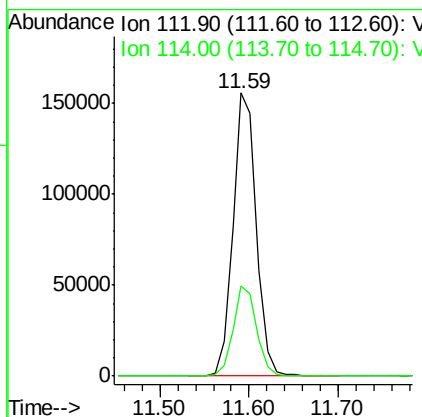
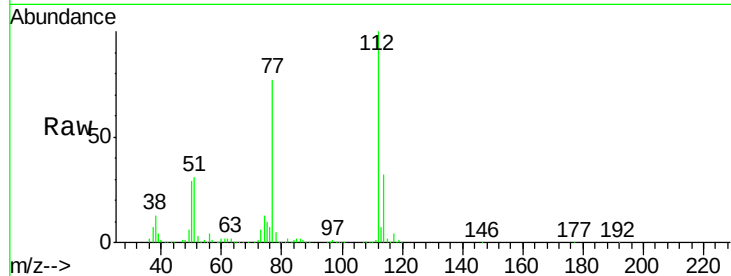
#65
Chlorobenzene
Concen: 49.25 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
112	100	284949		
114	32.0	25.3	37.9	

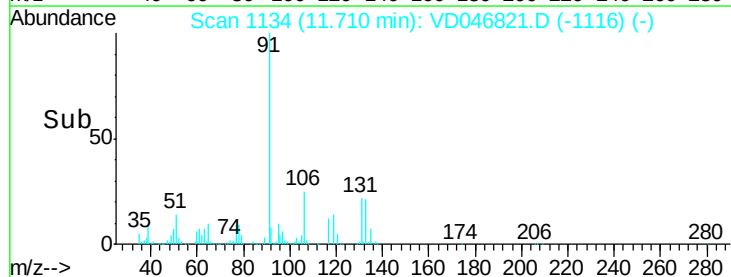
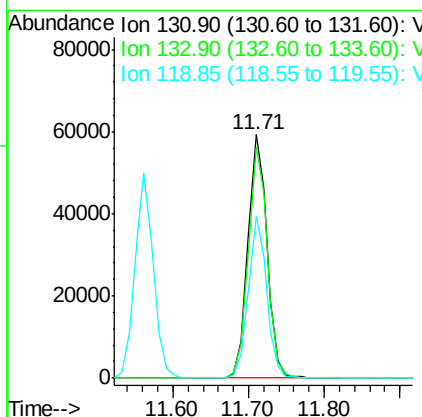
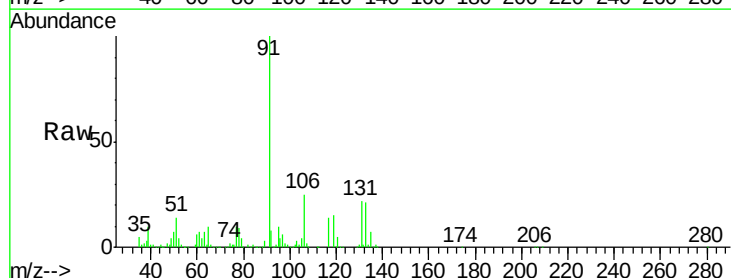
Manual Integrations
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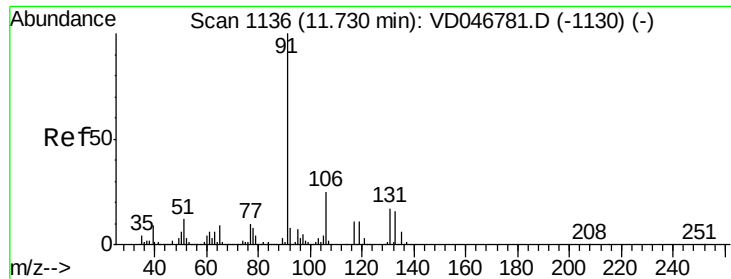
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.93 ug/l
RT: 11.71 min Scan# 1134
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	103963		
133	94.9	48.4	145.0	
119	66.3	31.5	94.5	





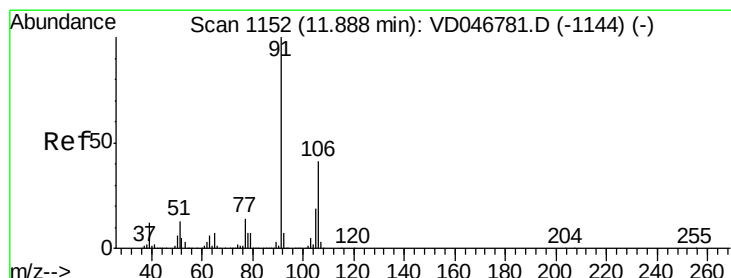
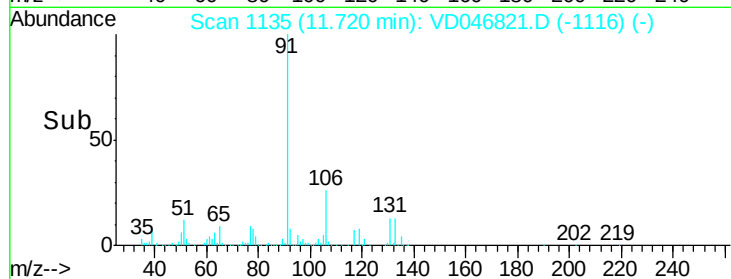
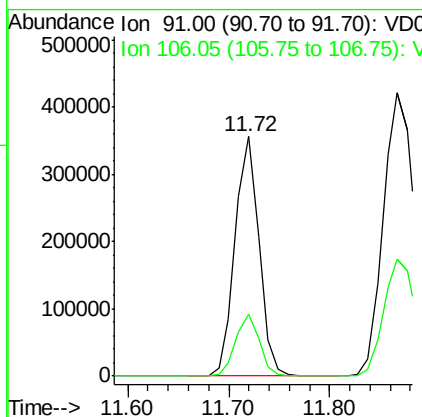
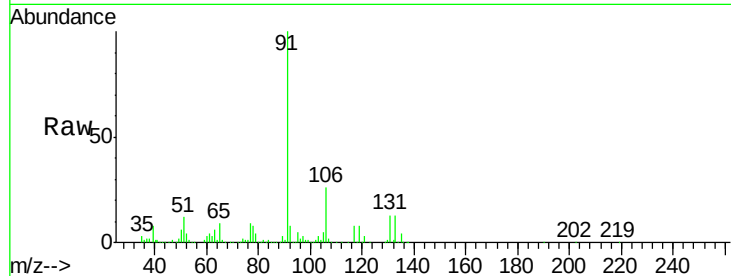
#67
Ethyl Benzene
Concen: 50.74 ug/l
RT: 11.72 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	26.1	20.2	30.2

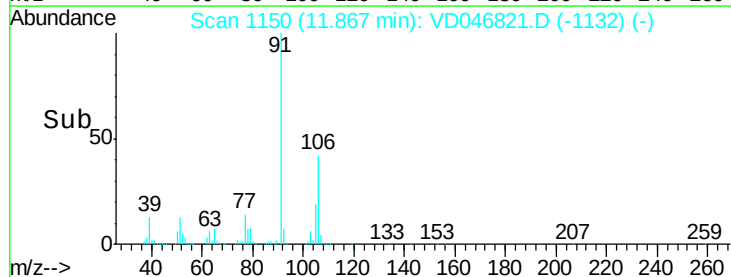
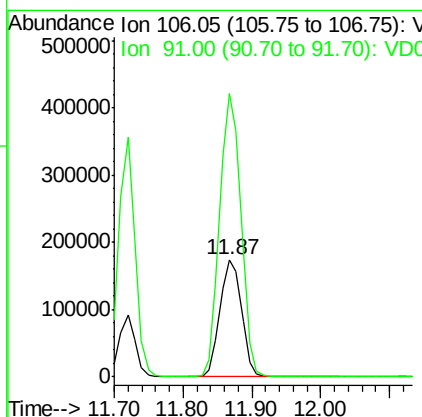
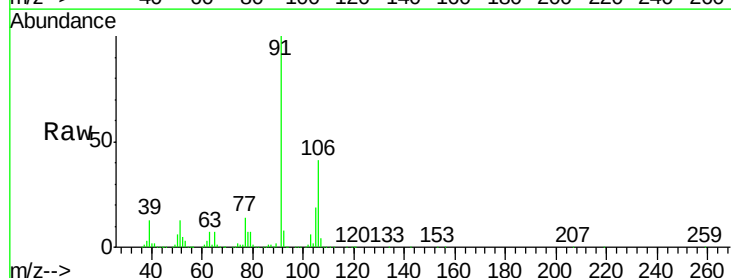
Manual Integrations
APPROVED

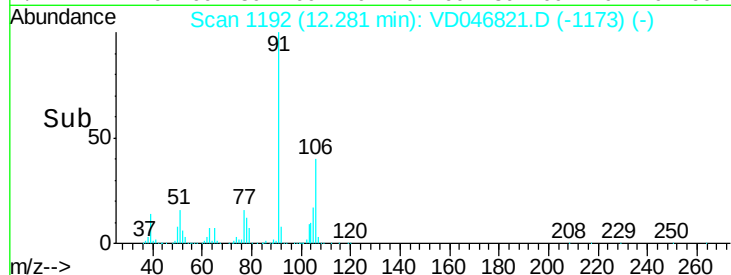
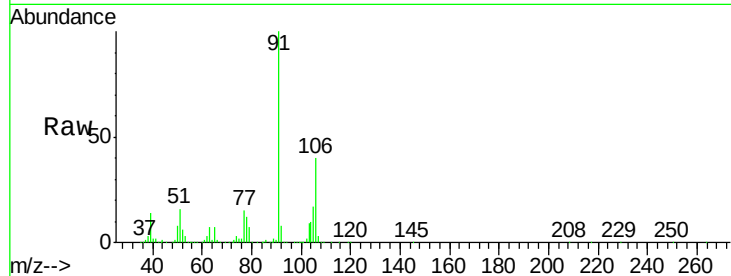
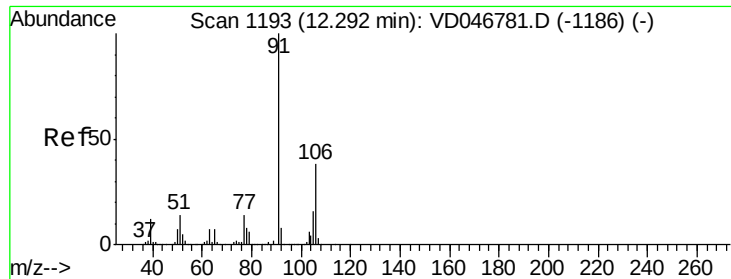
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#68
m/p-Xylenes
Concen: 103.23 ug/l
RT: 11.87 min Scan# 1150
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion	Ratio	Lower	Upper
106	100		
91	241.5	187.9	281.9





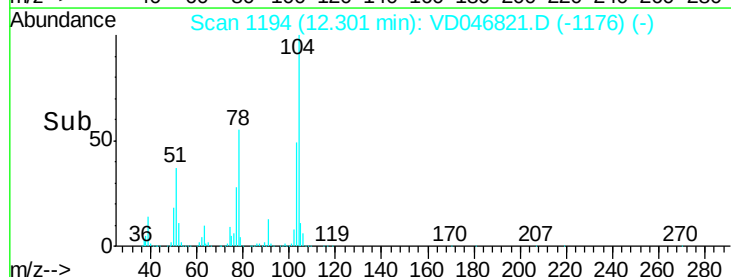
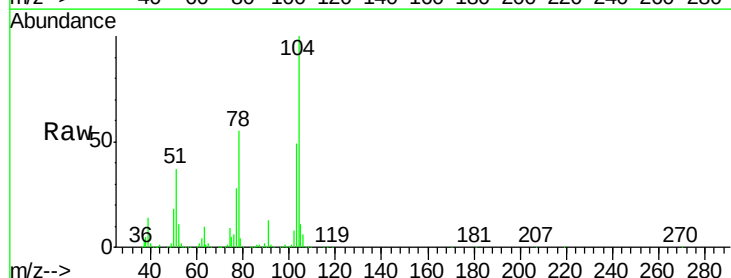
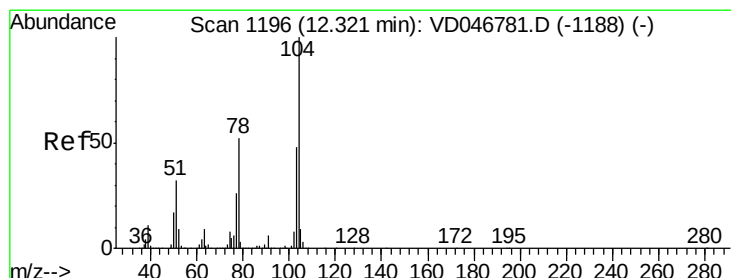
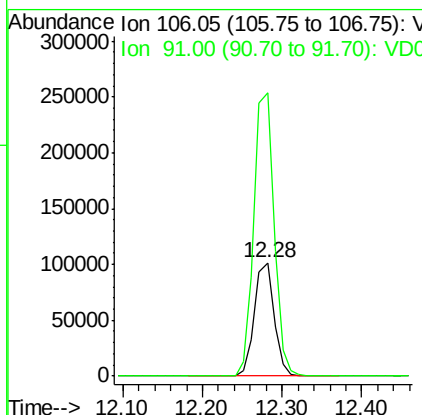
#69
o-Xylene
Concen: 52.16 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tot Ion:106 Resp: 172150
Ion Ratio Lower Upper
106 100
91 248.9 124.8 374.5

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

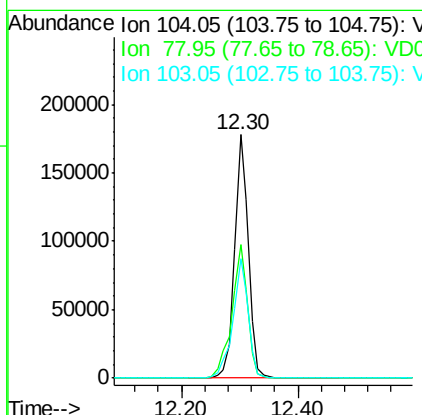
Manual Integrations
APPROVED

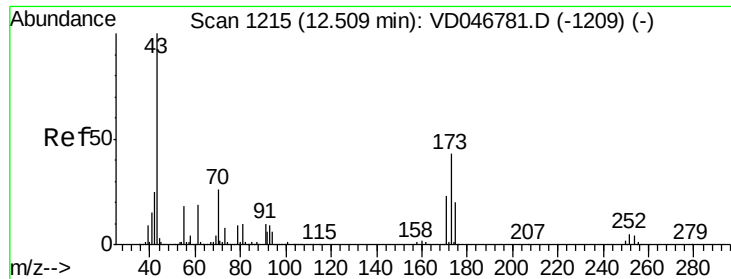
MMDadoda
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#70
Styrene
Concen: 50.53 ug/l
RT: 12.30 min Scan# 1194
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion:104 Resp: 289124
Ion Ratio Lower Upper
104 100
78 54.8 44.5 66.7
103 49.3 40.3 60.5





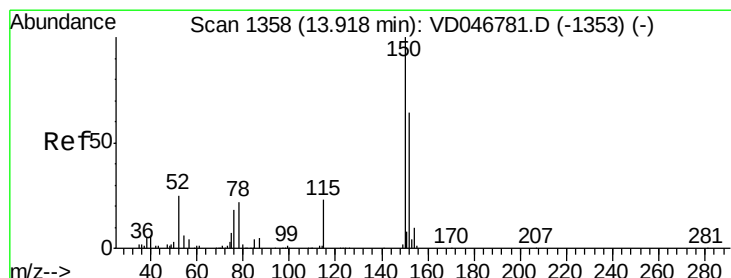
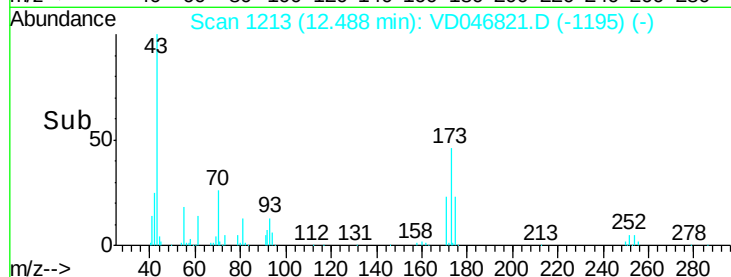
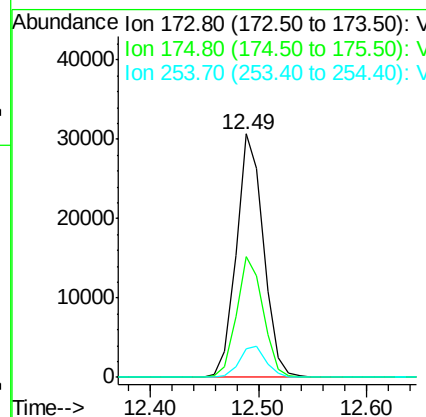
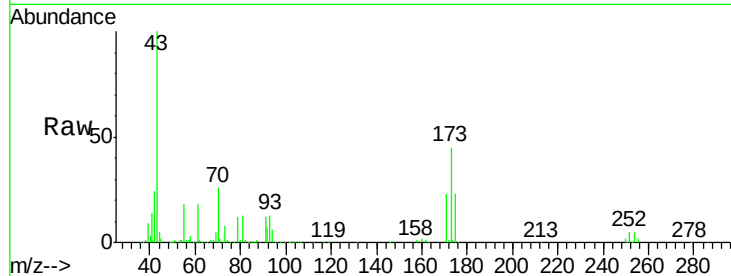
#71
Bromoform
Concen: 47.22 ug/l
RT: 12.49 min Scan# 1213
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	23.1	69.3
254	11.8	8.7	13.1

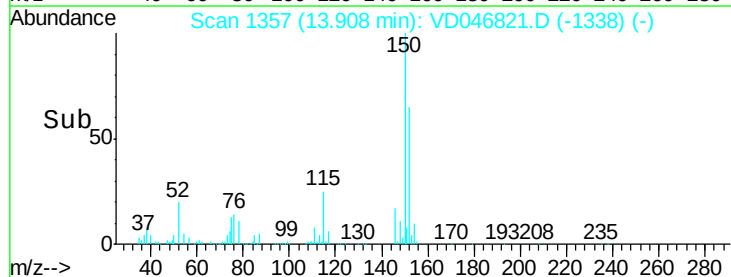
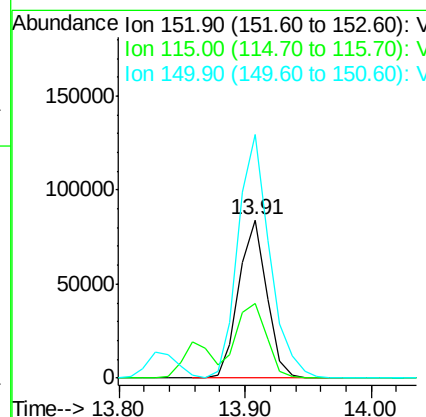
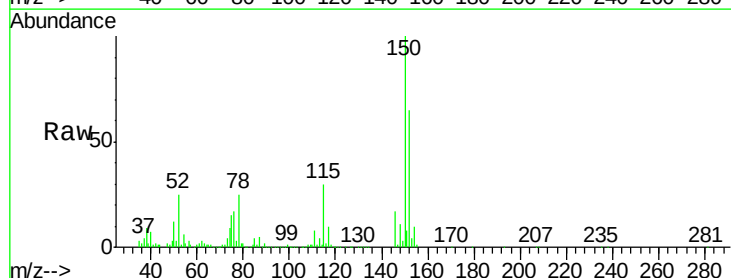
Manual Integrations
APPROVED

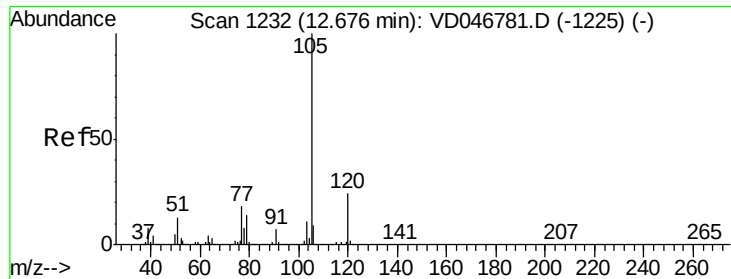
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.91 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	46.9	26.2	78.6
150	154.0	0.0	311.8





#73

Isopropylbenzene

Concen: 55.73 ug/l

RT: 12.66 min Scan# 1230

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 509605

Ion Ratio Lower Upper

105 100

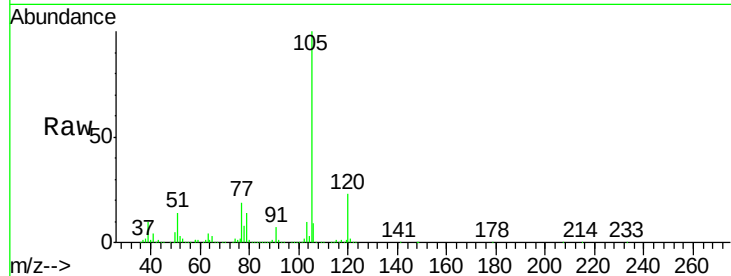
120 23.0 12.4 37.4

Manual Integrations

APPROVED

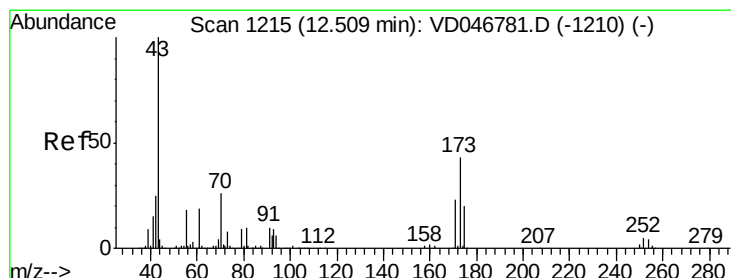
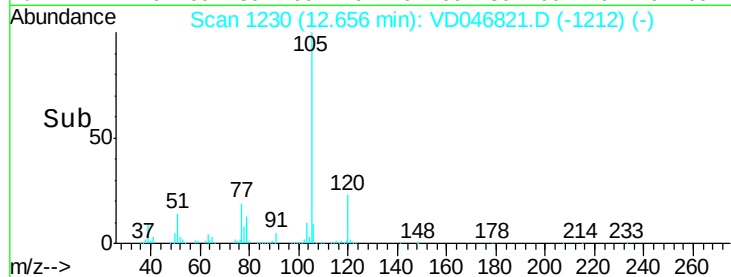
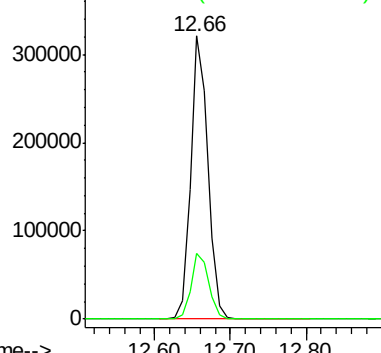
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 50.99 ug/l

RT: 12.50 min Scan# 1214

Delta R.T. -0.01 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Tgt Ion: 43 Resp: 117482

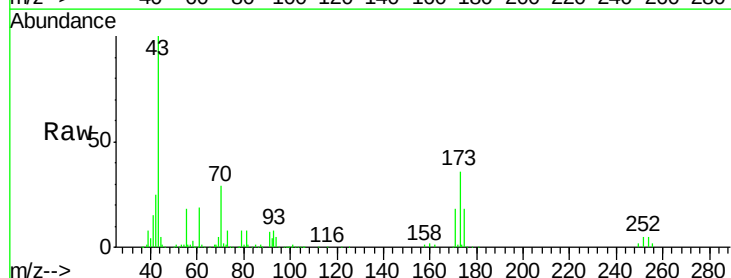
Ion Ratio Lower Upper

43 100

70 28.9 22.1 33.1

55 17.8 14.5 21.7

61 19.3 14.6 21.8

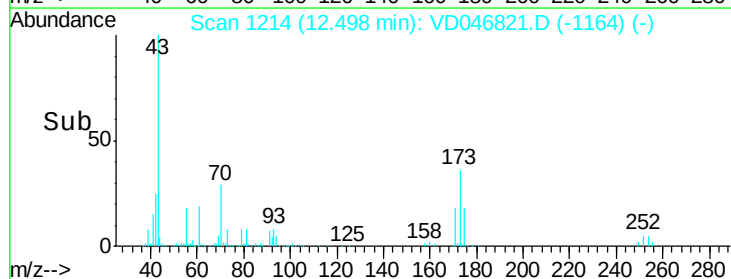
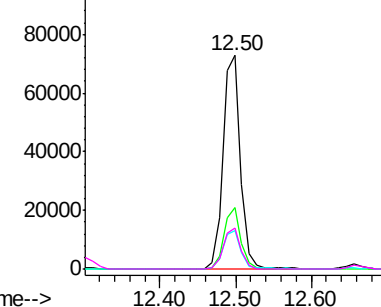


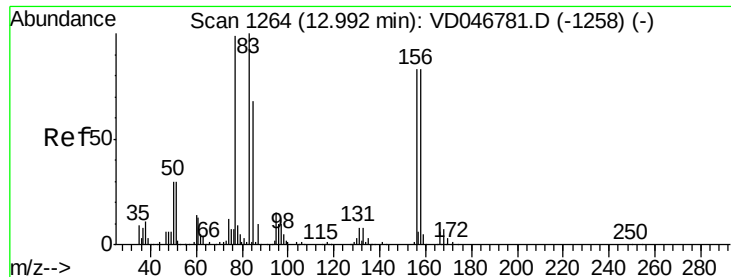
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 51.00 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

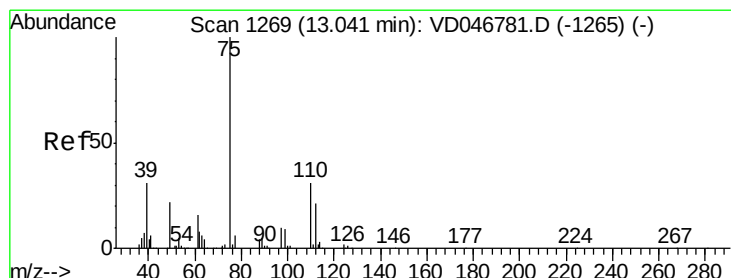
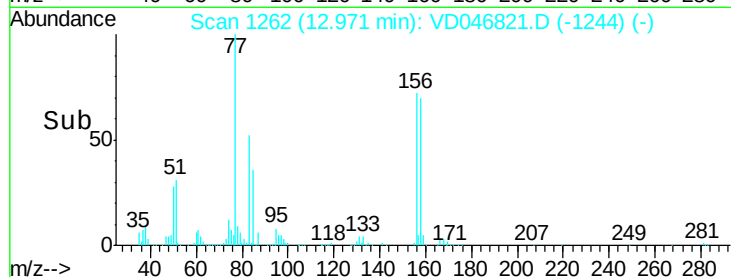
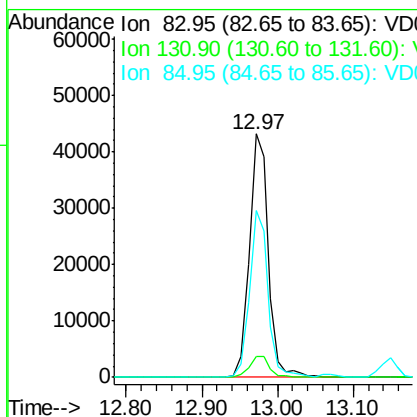
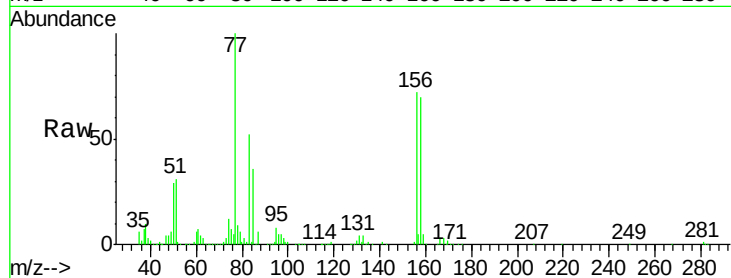
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	75260
Ion Ratio	Lower	Upper	
83	100		
131	8.6	3.9	11.7
85	68.7	30.5	91.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.65 ug/l

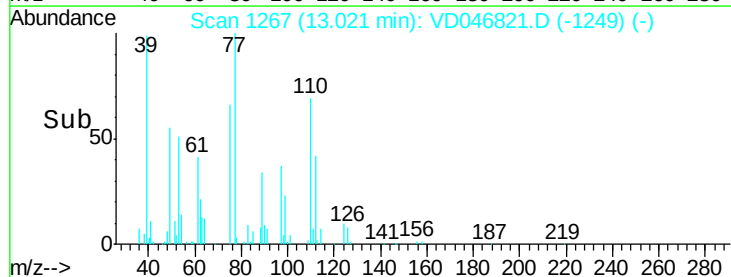
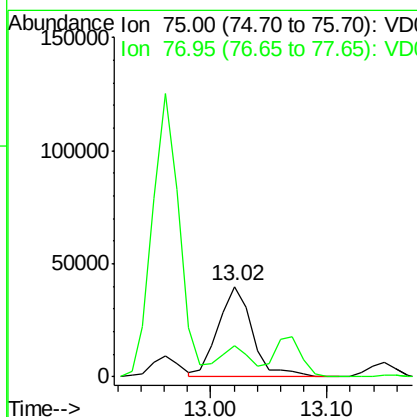
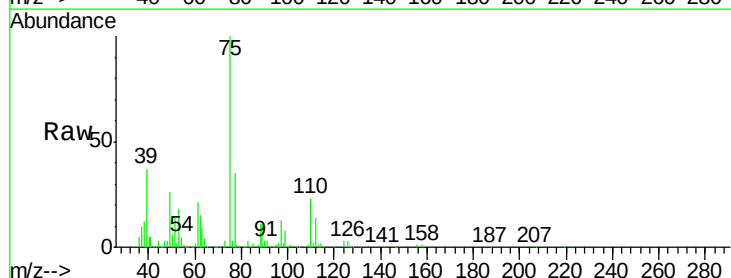
RT: 13.02 min Scan# 1267

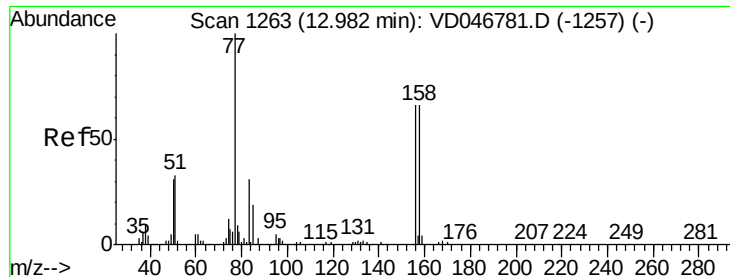
Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Tgt Ion:	75	Resp:	81533
Ion Ratio	Lower	Upper	
75	100		
77	34.7	16.0	48.0





#77

Bromobenzene

Concen: 52.51 ug/l

RT: 12.96 min Scan# 1261

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

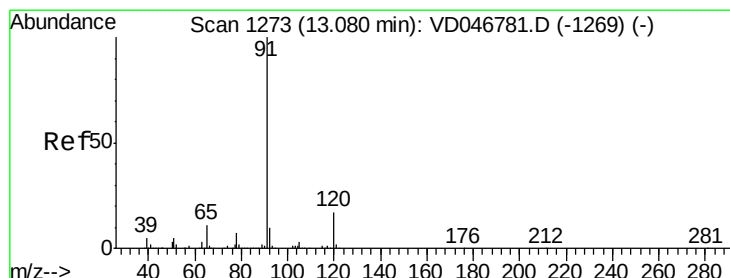
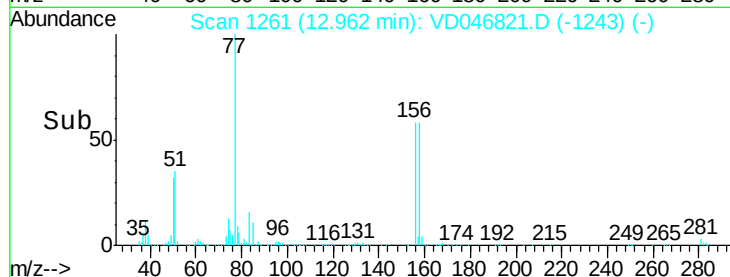
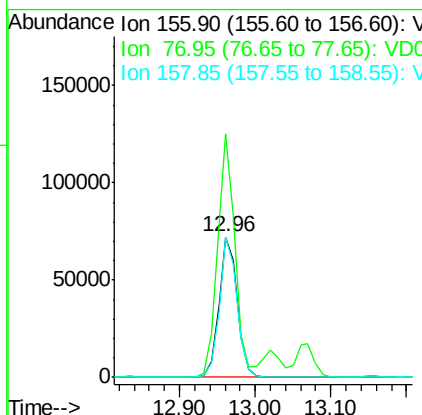
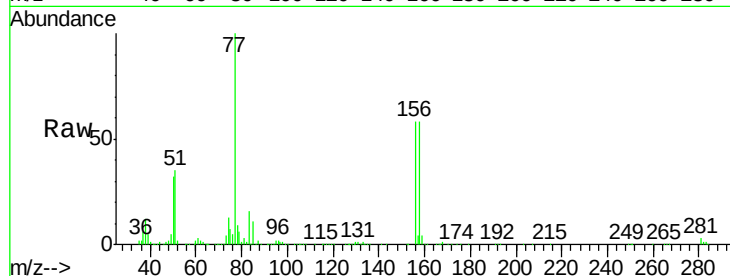
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	120740
Ion Ratio	Lower	Upper	
156	100		
77	173.7	70.3	210.8
158	100.2	49.0	147.0

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#78

n-propylbenzene

Concen: 53.39 ug/l

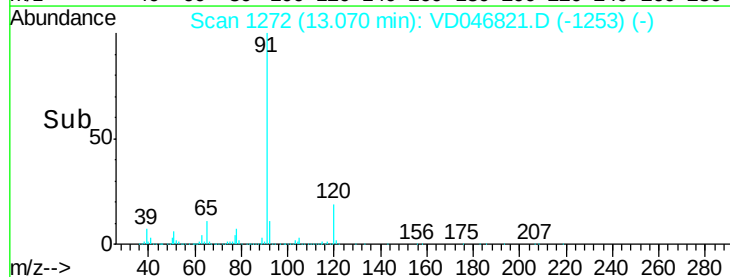
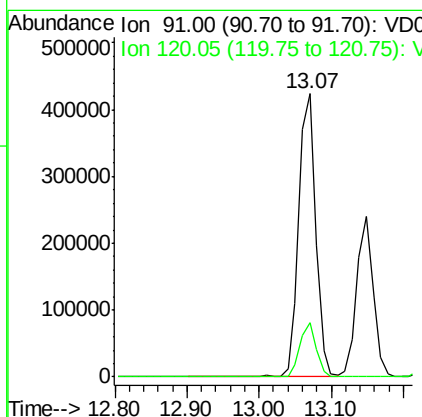
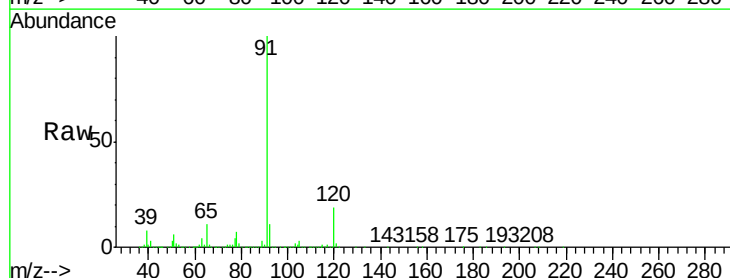
RT: 13.07 min Scan# 1272

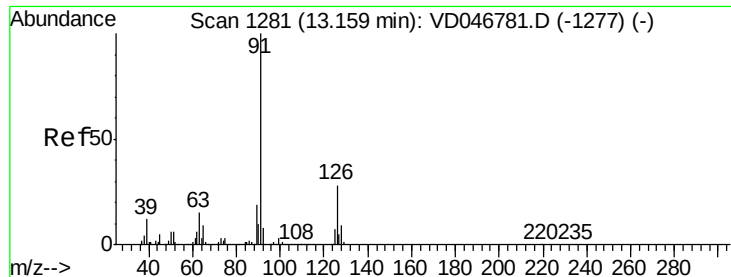
Delta R.T. -0.01 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Tgt Ion:	91	Resp:	689383
Ion Ratio	Lower	Upper	
91	100		
120	19.3	9.3	27.7





#79

2-Chlorotoluene

Concen: 52.46 ug/l

RT: 13.15 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 376085

Ion Ratio Lower Upper

91 100

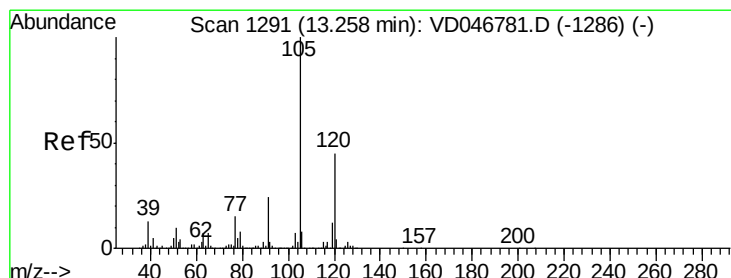
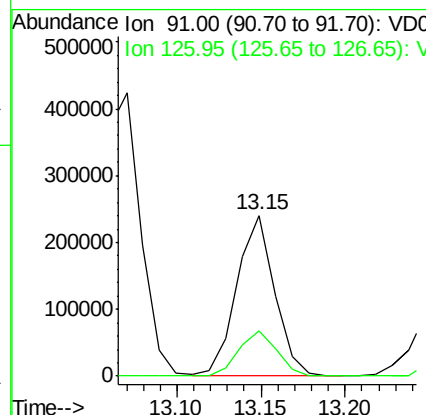
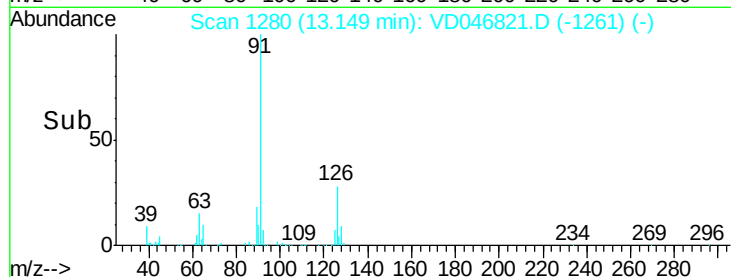
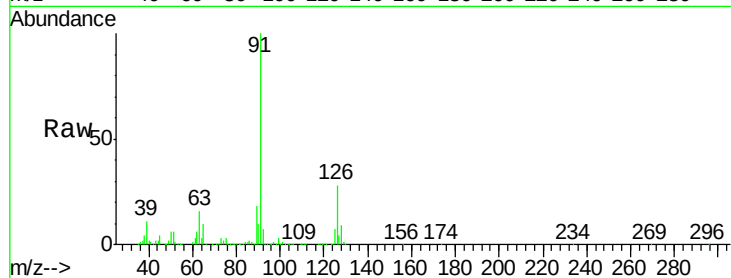
126 28.5 14.1 42.4

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#80

1,3,5-Trimethylbenzene

Concen: 53.63 ug/l

RT: 13.24 min Scan# 1289

Delta R.T. -0.02 min

Lab File: VD046821.D

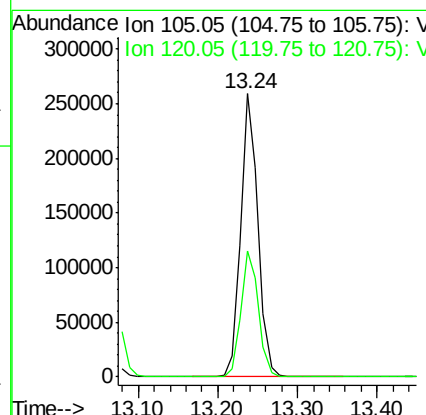
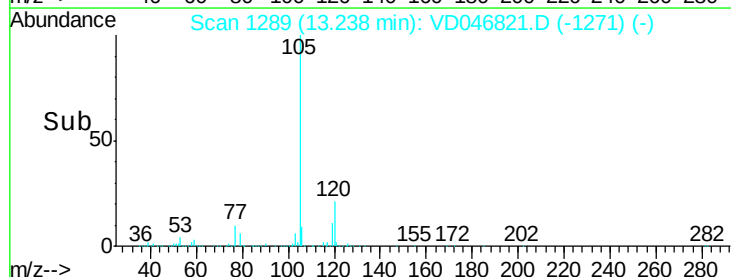
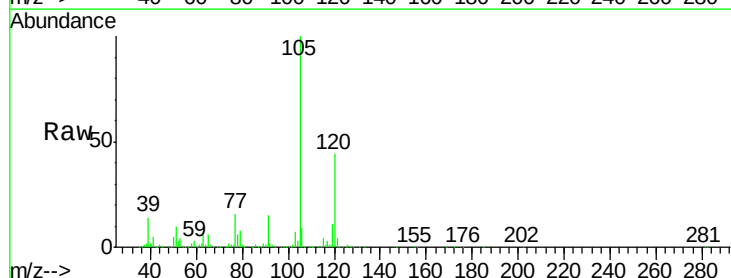
Acq: 21 Sep 2015 21:35

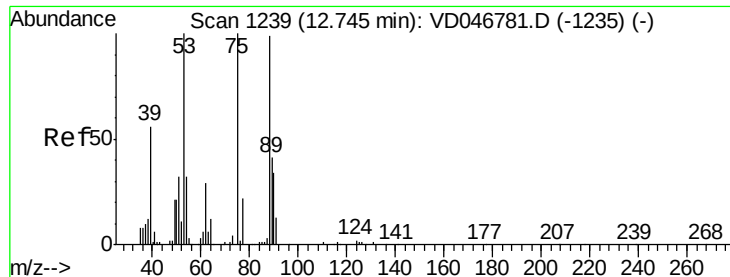
Tgt Ion: 105 Resp: 390798

Ion Ratio Lower Upper

105 100

120 44.3 22.3 66.8





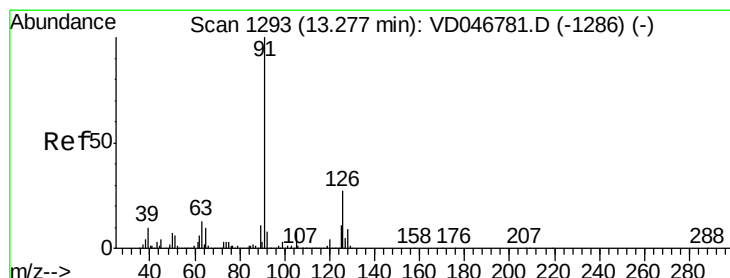
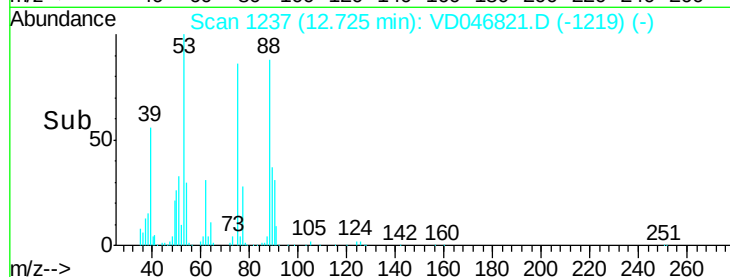
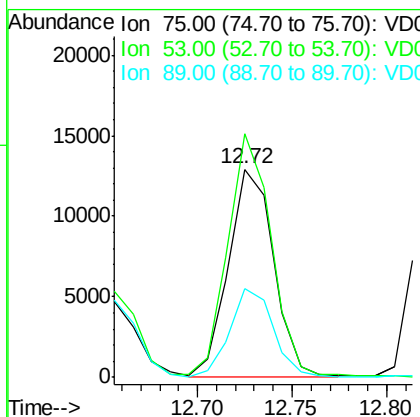
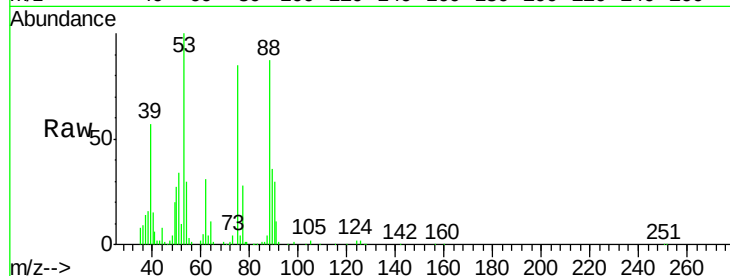
#81
trans-1,4-Dichloro-2-butene
Concen: 49.14 ug/l
RT: 12.72 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.1	82.3	123.5
89	42.4	36.6	54.8

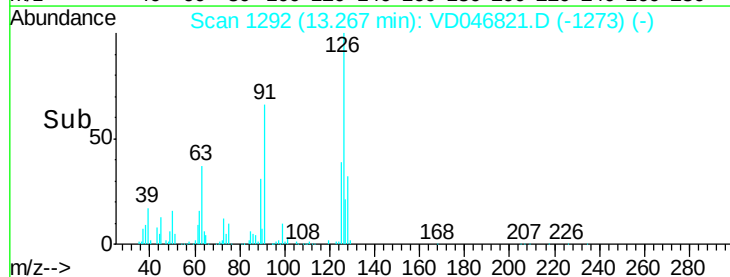
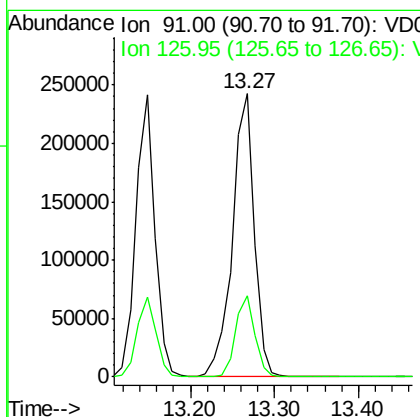
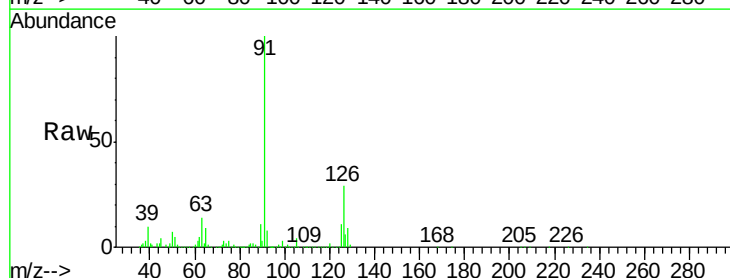
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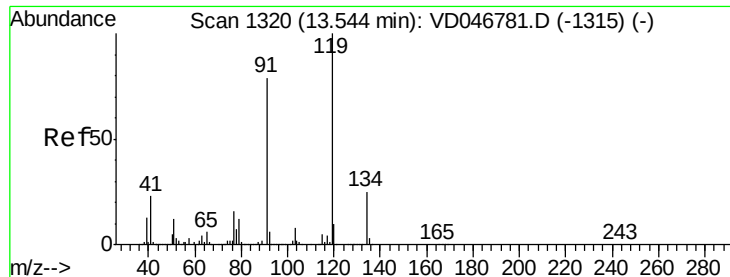
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#82
4-Chlorotoluene
Concen: 51.23 ug/l
RT: 13.27 min Scan# 1292
Delta R.T. -0.01 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.1	42.4





#83

tert-Butylbenzene

Concen: 54.92 ug/l m

RT: 13.52 min Scan# 1318

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

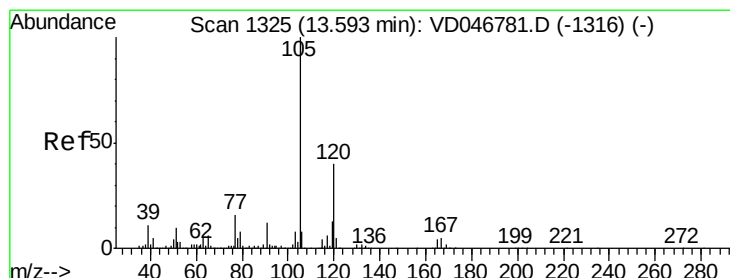
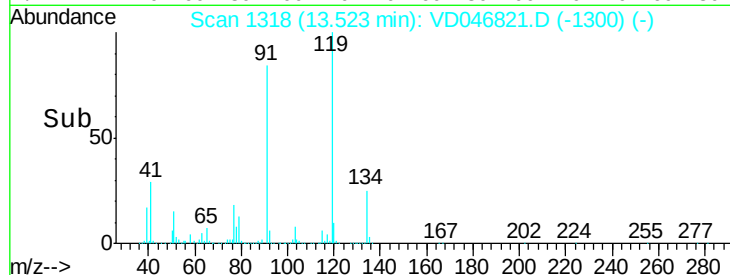
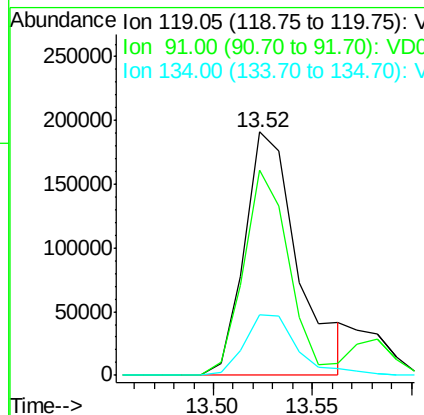
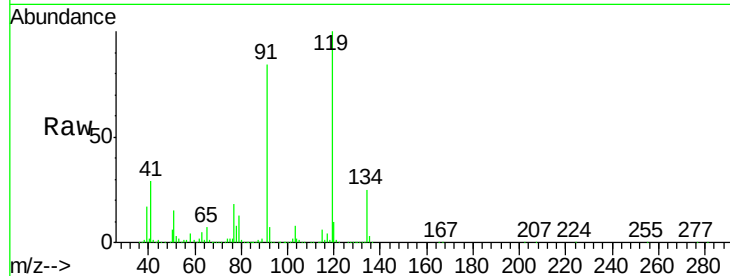
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	360805
Ion Ratio	Lower	Upper	
119	100		
91	84.1	41.6	124.9
134	25.0	12.4	37.4

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#84

1,2,4-Trimethylbenzene

Concen: 53.09 ug/l

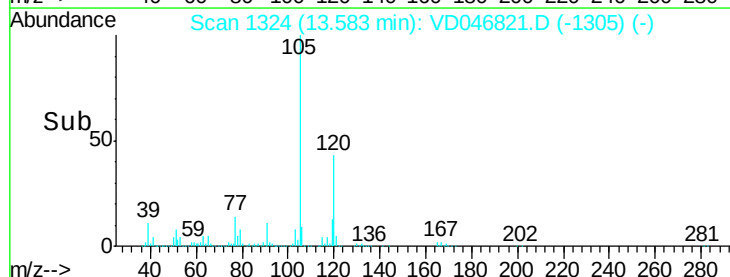
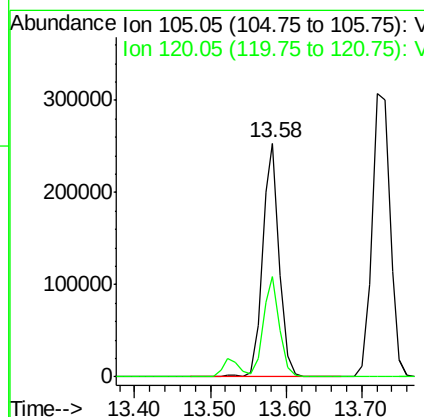
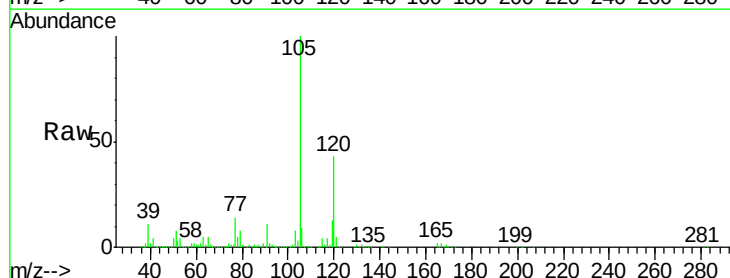
RT: 13.58 min Scan# 1324

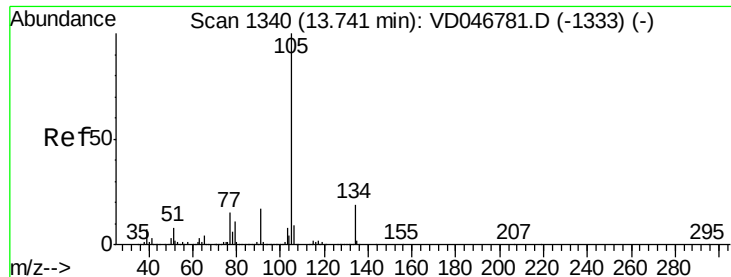
Delta R.T. -0.01 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Tgt Ion:	105	Resp:	389425
Ion Ratio	Lower	Upper	
105	100		
120	42.9	21.1	63.1





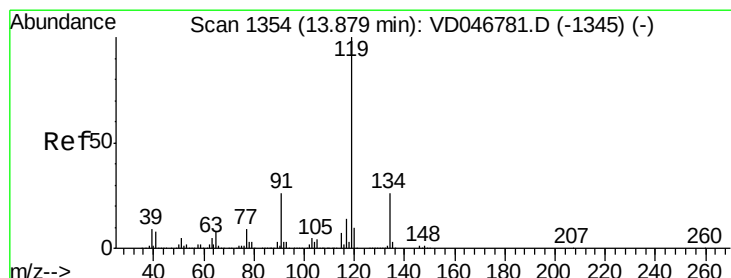
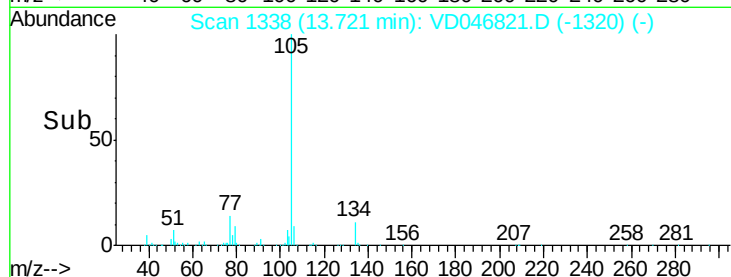
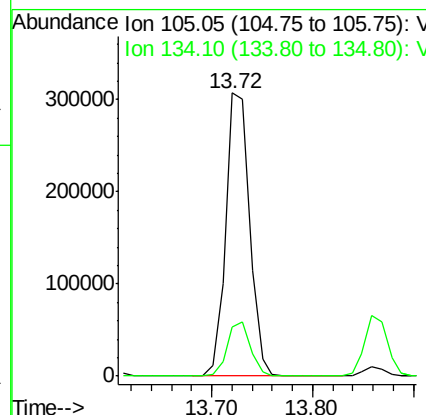
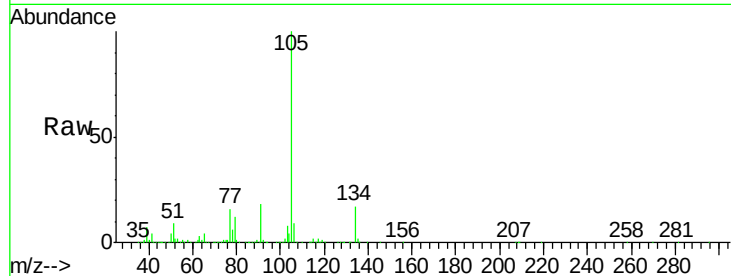
#85
 sec-Butylbenzene
 Concen: 52.50 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. -0.02 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.5	10.1	30.3

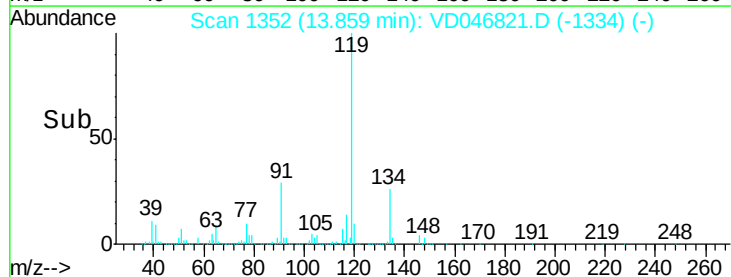
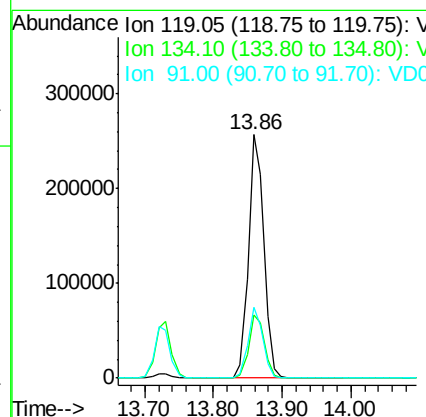
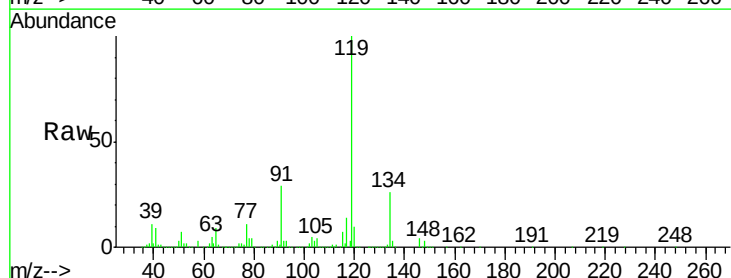
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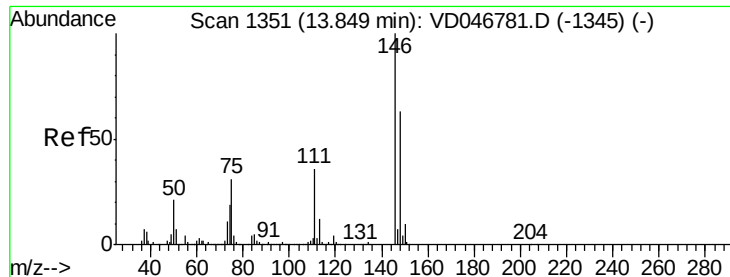
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#86
 p-Isopropyltoluene
 Concen: 52.18 ug/l
 RT: 13.86 min Scan# 1352
 Delta R.T. -0.02 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	38.9
91	29.3	13.8	41.3





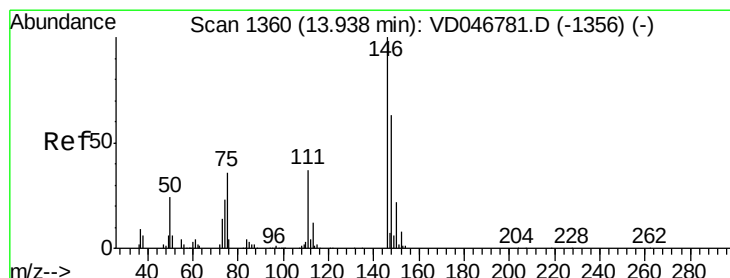
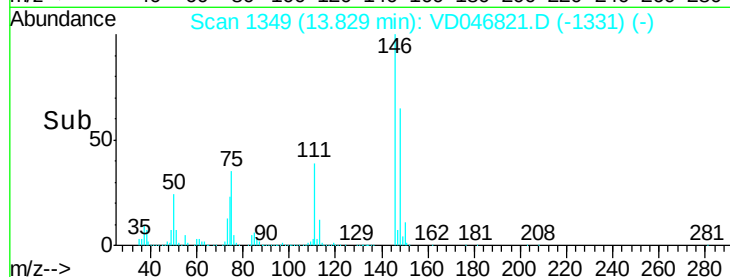
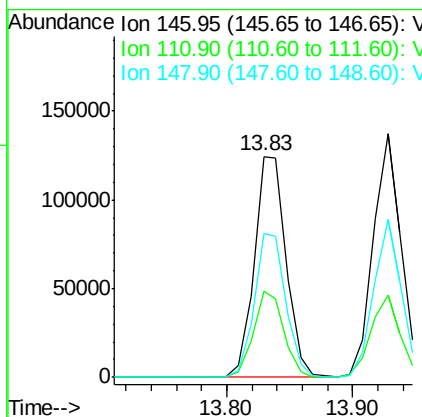
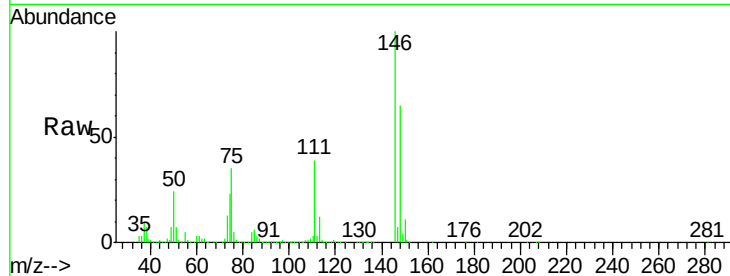
#87
 1,3-Dichlorobenzene
 Concen: 50.96 ug/l
 RT: 13.83 min Scan# 1349
 Delta R.T. -0.02 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	17.4	52.2
148	65.1	33.0	99.0

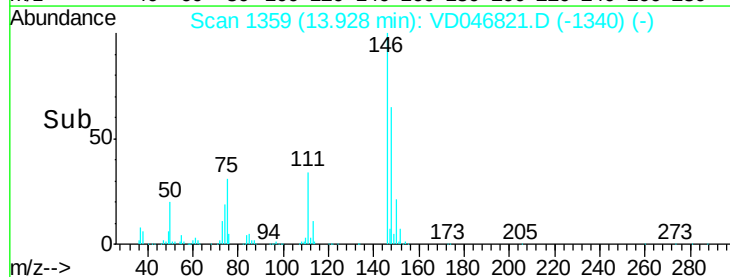
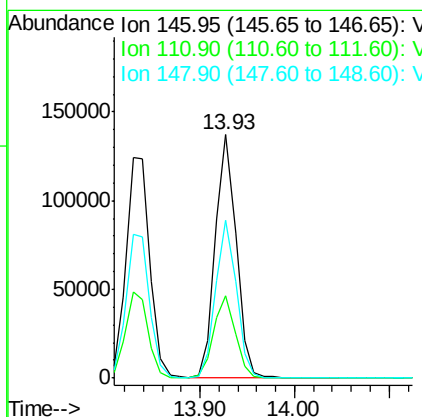
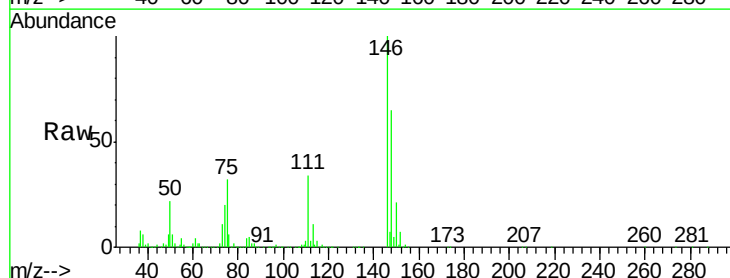
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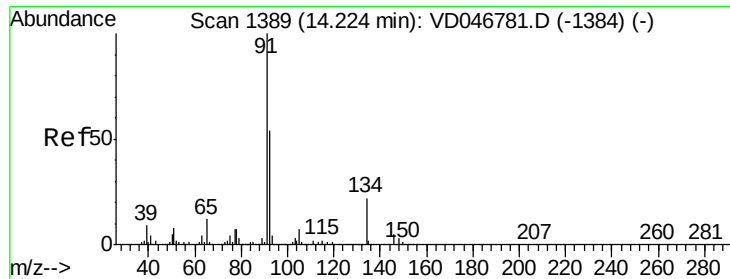
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#88
 1,4-Dichlorobenzene
 Concen: 49.78 ug/l
 RT: 13.93 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.0	17.0	51.0
148	64.8	31.9	95.7





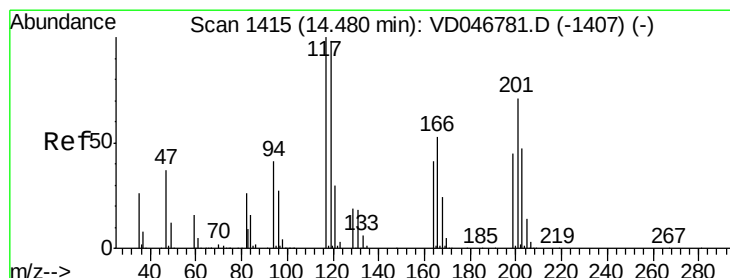
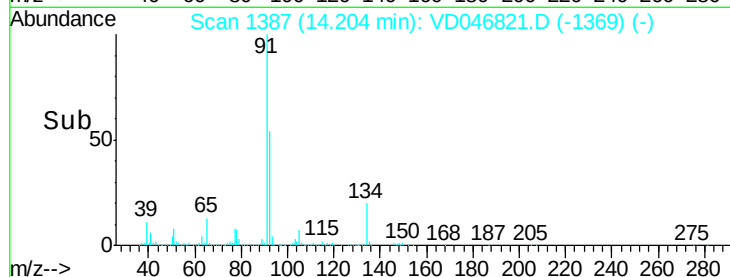
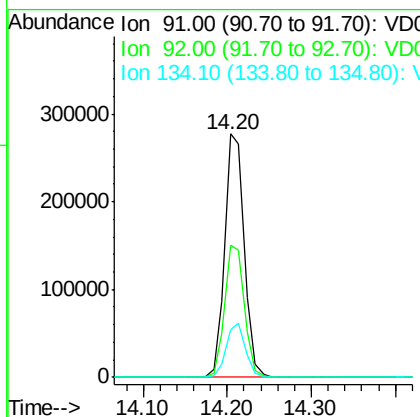
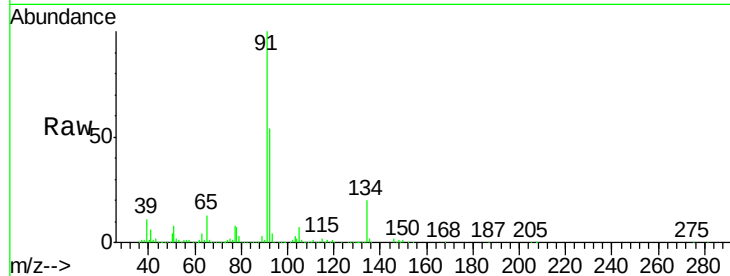
#89
n-Butylbenzene
Concen: 52.05 ug/l
RT: 14.20 min Scan# 1387
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.1	81.2
134	19.7	9.6	28.6

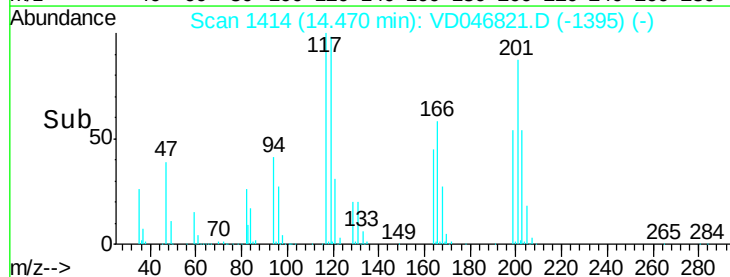
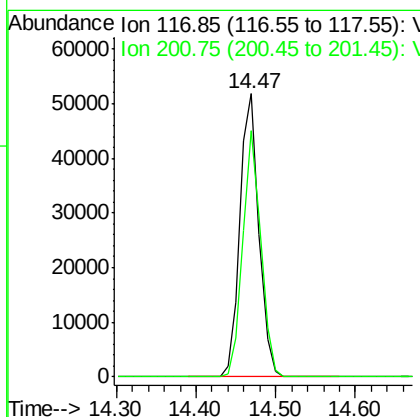
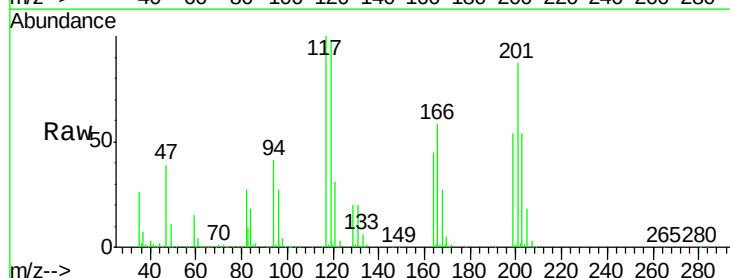
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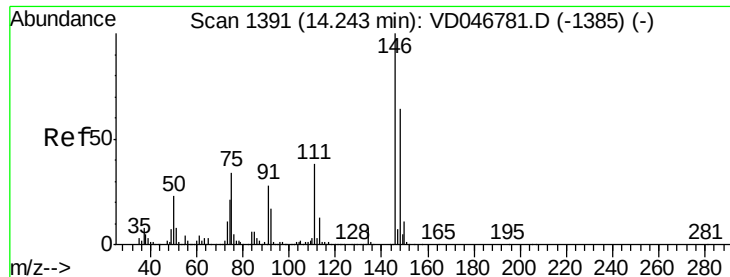
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#90
Hexachloroethane
Concen: 48.90 ug/l
RT: 14.47 min Scan# 1414
Delta R.T. -0.01 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.8	41.0	123.0





#91

1,2-Dichlorobenzene

Concen: 50.22 ug/l

RT: 14.23 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:146 Resp: 180983
Ion Ratio Lower Upper

146 100

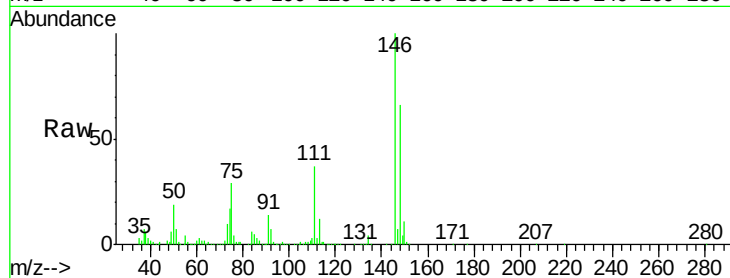
111 37.3 18.2 54.6

148 65.8 31.1 93.3

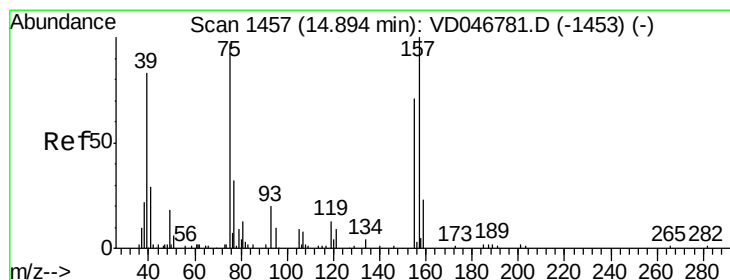
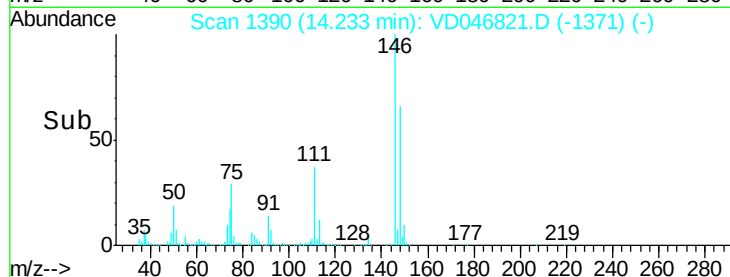
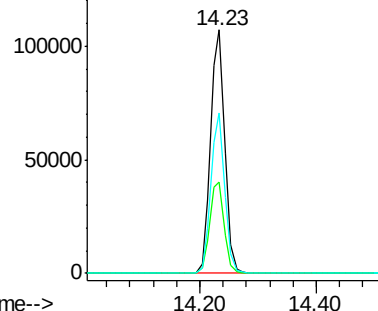
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Abundance Ion 145.95 (145.65 to 146.65): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.81 ug/l

RT: 14.87 min Scan# 1455

Delta R.T. -0.02 min

Lab File: VD046821.D

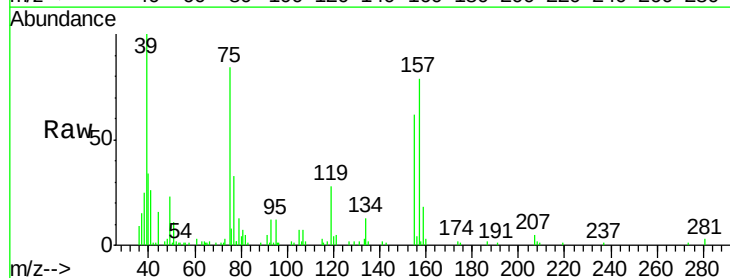
Acq: 21 Sep 2015 21:35

Tgt Ion: 75 Resp: 9066
Ion Ratio Lower Upper

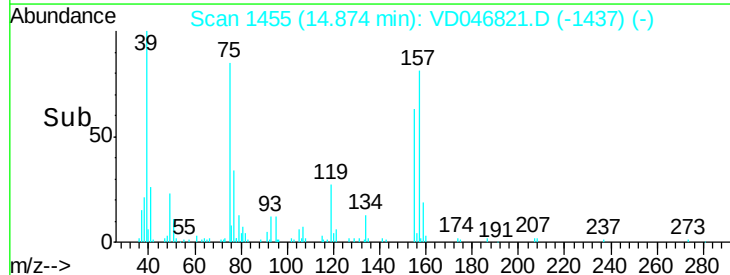
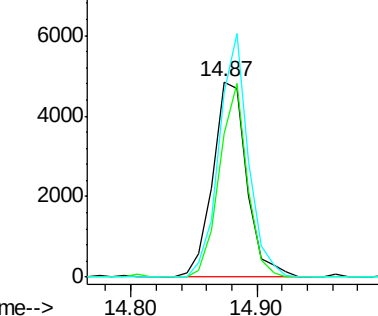
75 100

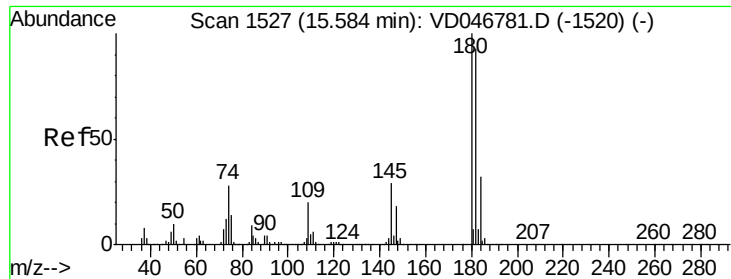
155 73.6 41.4 124.4

157 94.6 65.0 195.1



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





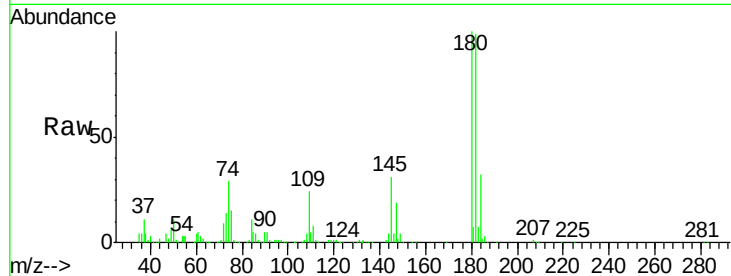
#93
 1,2,4-Trichlorobenzene
 Concen: 52.26 ug/l
 RT: 15.56 min Scan# 1525
 Delta R.T. -0.02 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

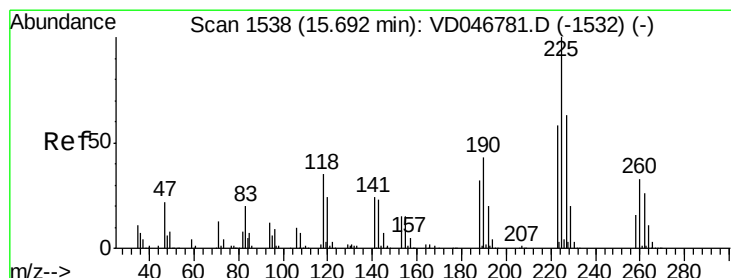
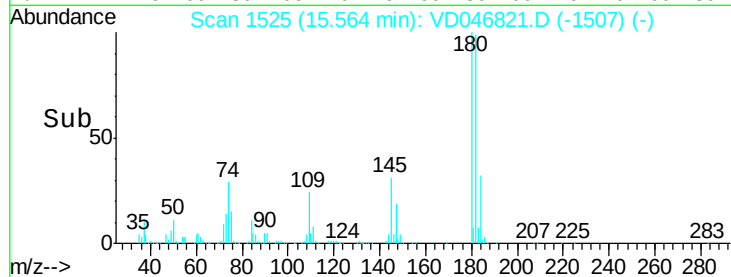
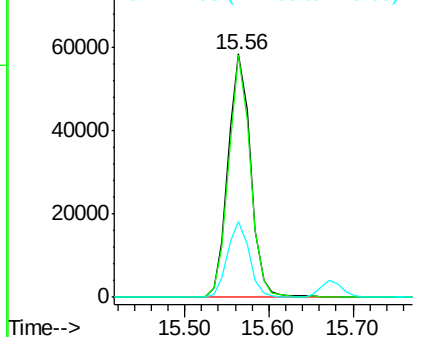
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	99.4	47.5	142.5	
145	31.0	14.6	44.0	

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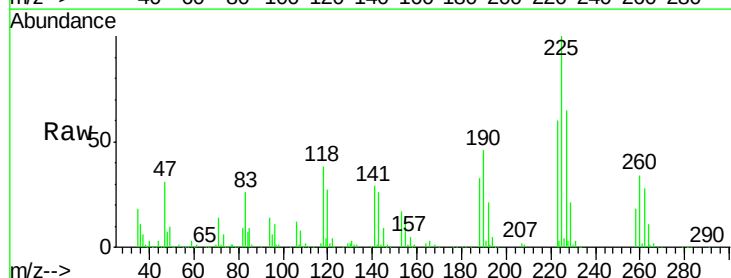


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

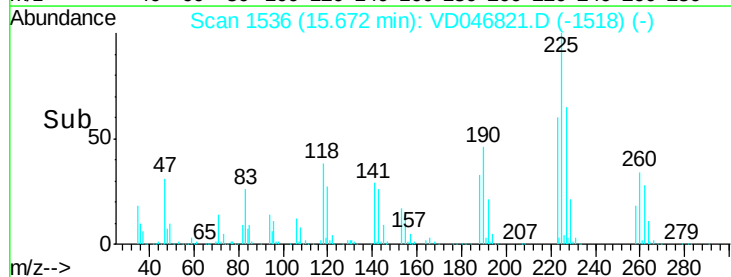
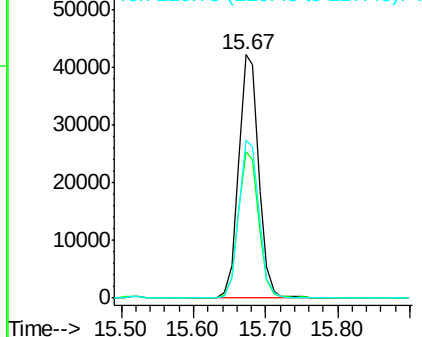


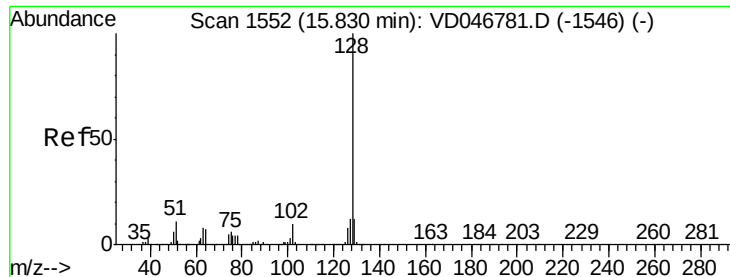
#94
 Hexachlorobutadiene
 Concen: 48.13 ug/l
 RT: 15.67 min Scan# 1536
 Delta R.T. -0.02 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.3	30.4	91.2	
227	64.9	31.3	93.9	



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





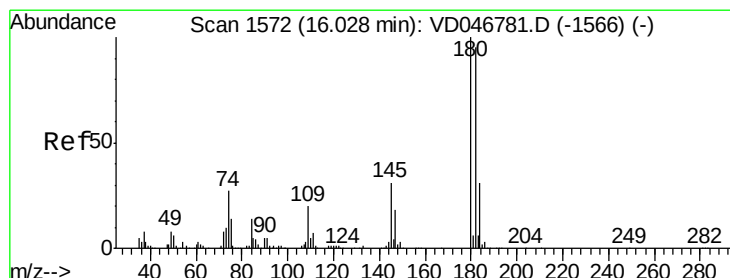
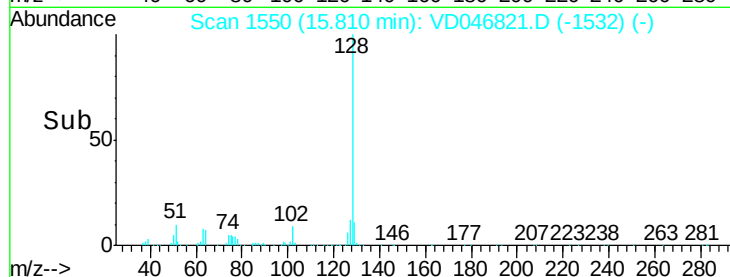
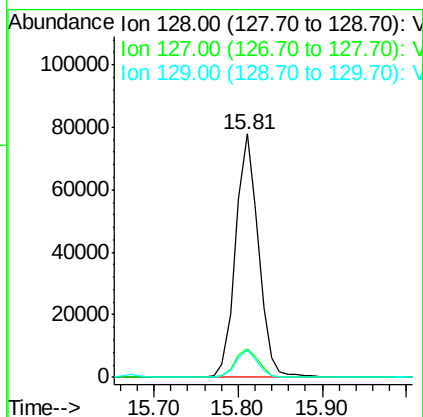
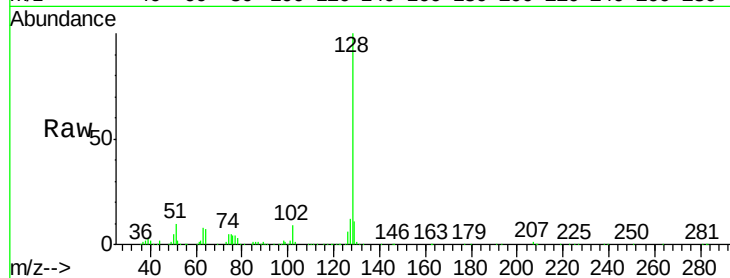
#95
Naphthalene
Concen: 53.46 ug/l
RT: 15.81 min Scan# 1550
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	147322		
127	11.9	9.8	14.6	
129	11.4	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
9/22/2015 12:41:36 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.00 ug/l
RT: 16.01 min Scan# 1570
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	90177		
182	100.0	47.4	142.3	
145	29.8	15.4	46.4	

