

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092115\
 Data File : VD046800.D
 Acq On : 21 Sep 2015 12:08
 Operator : FY/SY
 Sample : VD0921SBS01
 Misc : 5.00gm/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 12:41:09 PM

Quant Time: Sep 22 01:36:20 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	189060	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	233349	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.56	117	223029	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.91	152	119246	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.70	65	105624	53.73	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.46%	
35) Dibromofluoromethane	6.19	113	103902	56.91	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	113.82%	
50) Toluene-d8	9.60	98	345917	60.06	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	120.12%	
62) 4-Bromofluorobenzene	12.84	95	135219	58.31	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	116.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.41	85	44796	23.66	ug/l	98
3) Chlorodifluoromethane	1.43	51	34572	20.89	ug/l #	91
4) Chloromethane	1.57	50	24247	21.76	ug/l	100
5) Vinyl Chloride	1.67	62	22612	21.60	ug/l	98
6) Bromomethane	1.96	94	22822	22.96	ug/l	100
7) Chloroethane	2.07	64	14662	22.38	ug/l	100
8) Trichlorofluoromethane	2.32	101	69979	22.60	ug/l	97
9) Diethyl Ether	2.62	74	10472	19.08	ug/l	88
10) 1,1,2-Trichlorotrifluoroet	2.88	101	43064	22.23	ug/l	99
11) Methyl Iodide	3.04	142	37617	17.78	ug/l	98
12) Tert butyl alcohol	3.64	59	8078	86.88	ug/l #	74
13) 1,1-Dichloroethene	2.87	96	32550	21.49	ug/l	97
14) Acrolein	2.77	56	10305	102.62	ug/l	89
15) Allyl chloride	3.31	41	64919	21.11	ug/l	89
16) Acrylonitrile	3.83	53	22513	98.09	ug/l	93
17) Acetone	2.93	43	34508	103.90	ug/l	95
18) Carbon Disulfide	3.12	76	121013	21.33	ug/l	95
19) Methyl Acetate	3.32	43	39006	20.27	ug/l	95
20) Methyl tert-butyl Ether	3.89	73	50023	21.08	ug/l	92
21) Methylene Chloride	3.49	84	36542	20.26	ug/l	91
22) trans-1,2-Dichloroethene	3.88	96	36974	21.65	ug/l	94
23) Diisopropyl ether	4.64	45	109073	21.37	ug/l #	95
24) Vinyl Acetate	4.59	43	98985m	92.74	ug/l	
25) 1,1-Dichloroethane	4.55	63	67022	21.31	ug/l	99
26) 2-Butanone	5.43	43	38063	101.97	ug/l	96
27) 2,2-Dichloropropane	5.41	77	72149	22.33	ug/l	96
28) cis-1,2-Dichloroethene	5.41	96	37946	21.34	ug/l	94
29) Bromochloromethane	5.78	49	25827	20.84	ug/l	94
30) Chloroform	5.96	83	83307	21.84	ug/l	99
31) Cyclohexane	6.26	56	62140	21.06	ug/l	93
32) 1,1,1-Trichloroethane	6.17	97	76587	22.55	ug/l	97
36) 1,1-Dichloropropene	6.41	75	62454	22.90	ug/l	96
37) Ethyl Acetate	5.53	43	17576	20.06	ug/l	98
38) Carbon Tetrachloride	6.39	117	63794	22.51	ug/l	97

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Quant Time: Sep 22 01:36:20 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)
39) Methylcyclohexane	8.08	83	62468	22.61	ug/l	93
40) Benzene	6.71	78	151080	21.70	ug/l	100
41) Methacrylonitrile	5.75	41	9918	20.19	ug/l #	94
42) 1,2-Dichloroethane	6.81	62	48909	22.62	ug/l	98
43) Isopropyl Acetate	8.40	43	23198	20.09	ug/l #	92
44) Trichloroethene	7.74	130	37306	21.41	ug/l	94
45) 1,2-Dichloropropane	8.13	63	37351	21.66	ug/l	95
46) Dibromomethane	8.25	93	20686	21.12	ug/l	92
47) Bromodichloromethane	8.55	83	56984	22.17	ug/l #	96
48) Methyl methacrylate	8.07	41	41326	23.41	ug/l	89
49) 1,4-Dioxane	8.28	88	2841	435.03	ug/l #	84
51) 4-Methyl-2-Pentanone	9.48	43	87388	104.74	ug/l	92
52) Toluene	9.71	92	96486	22.47	ug/l	96
53) t-1,3-Dichloropropene	10.11	75	40653	21.42	ug/l	94
54) cis-1,3-Dichloropropene	9.22	75	53263	21.79	ug/l	97
55) 1,1,2-Trichloroethane	10.39	97	23919	21.51	ug/l	95
56) Ethyl methacrylate	10.23	69	20505	20.27	ug/l	95
57) 1,3-Dichloropropane	10.60	76	45687	22.10	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.02	63	53017	100.59	ug/l	95
59) 2-Hexanone	10.70	43	62985	104.49	ug/l	93
60) Dibromochloromethane	10.87	129	34644	22.70	ug/l	97
61) 1,2-Dibromoethane	11.01	107	23202	21.14	ug/l	94
64) Tetrachloroethene	10.46	164	40412	22.44	ug/l	90
65) Chlorobenzene	11.59	112	102371	21.81	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.71	131	37652	21.84	ug/l	96
67) Ethyl Benzene	11.72	91	209396	22.20	ug/l	100
68) m/p-Xylenes	11.87	106	136623	45.93	ug/l	91
69) o-Xylene	12.28	106	61432	22.94	ug/l	99
70) Styrene	12.30	104	104772	22.57	ug/l	98
71) Bromoform	12.49	173	18745	20.41	ug/l	92
73) Isopropylbenzene	12.66	105	187129	22.26	ug/l	94
74) N-amyl acetate	12.50	43	34426	19.46	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.98	83	27636	20.37	ug/l	94
76) 1,2,3-Trichloropropane	13.02	75	30479	21.00	ug/l	89
77) Bromobenzene	12.96	156	45645	21.59	ug/l	82
78) n-propylbenzene	13.07	91	274303	23.11	ug/l	96
79) 2-Chlorotoluene	13.15	91	150683	22.86	ug/l	99
80) 1,3,5-Trimethylbenzene	13.24	105	151209	22.57	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.74	75	7214	20.46	ug/l	96
82) 4-Chlorotoluene	13.27	91	175187	22.33	ug/l	99
83) tert-Butylbenzene	13.54	119	140557m	23.27	ug/l	
84) 1,2,4-Trimethylbenzene	13.59	105	150689	22.35	ug/l	98
85) sec-Butylbenzene	13.73	105	207091	23.33	ug/l	95
86) p-Isopropyltoluene	13.86	119	161027	23.08	ug/l	99
87) 1,3-Dichlorobenzene	13.84	146	87629	22.22	ug/l	98
88) 1,4-Dichlorobenzene	13.93	146	86201	21.98	ug/l	97
89) n-Butylbenzene	14.22	91	185974	23.61	ug/l	98
90) Hexachloroethane	14.47	117	35889	22.19	ug/l	100
91) 1,2-Dichlorobenzene	14.24	146	72093	21.76	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.89	75	3606	20.68	ug/l	83

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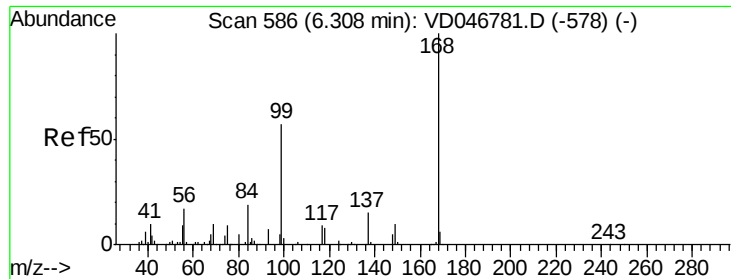
Manual Integrations
APPROVED

MMDadoda
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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)
93) 1,2,4-Trichlorobenzene	15.57	180	41426	21.72	ug/l	98
94) Hexachlorobutadiene	15.69	225	36172	23.03	ug/l	97
95) Naphthalene	15.81	128	46233	19.82	ug/l	99
96) 1,2,3-Trichlorobenzene	16.01	180	35927	22.54	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.29 min Scan# 585

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion:168 Resp: 189060

Ion Ratio Lower Upper

168 100

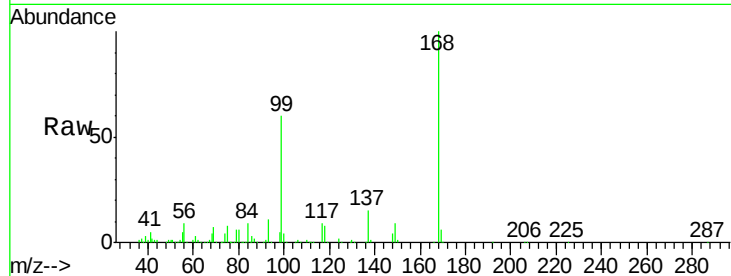
99 60.1 42.4 63.6

Manual Integrations

APPROVED

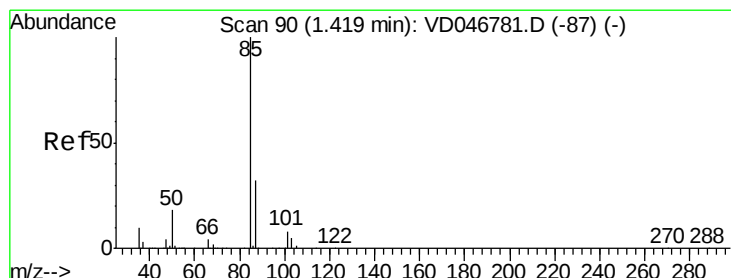
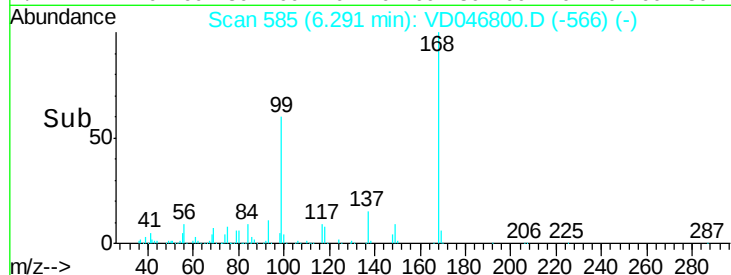
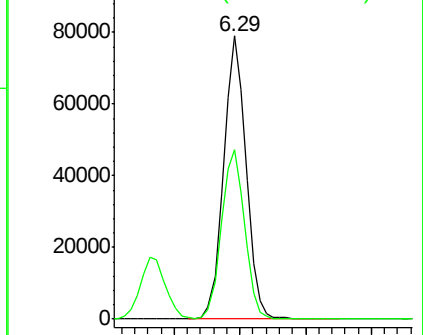
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 23.66 ug/l

RT: 1.41 min Scan# 90

Delta R.T. -0.01 min

Lab File: VD046800.D

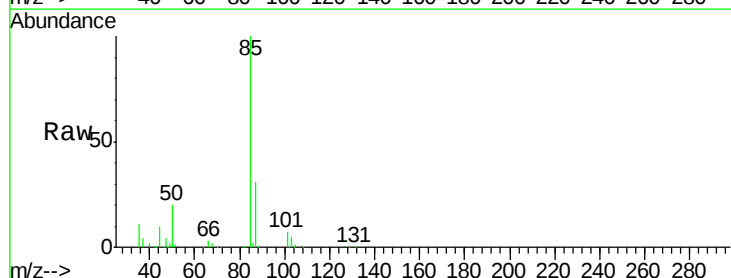
Acq: 21 Sep 2015 12:08

Tgt Ion: 85 Resp: 44796

Ion Ratio Lower Upper

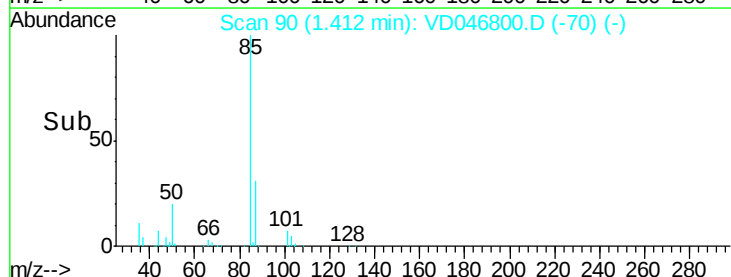
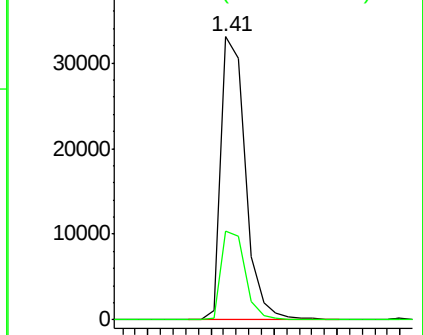
85 100

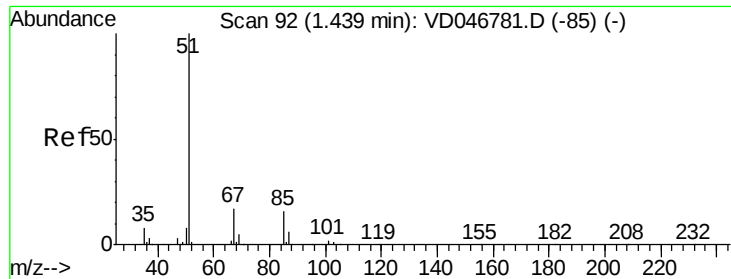
87 31.2 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chlorodifluoromethane

Concen: 20.89 ug/l

RT: 1.43 min Scan# 92

Delta R.T. -0.01 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 51 Resp: 34572

Ion Ratio Lower Upper

51 100

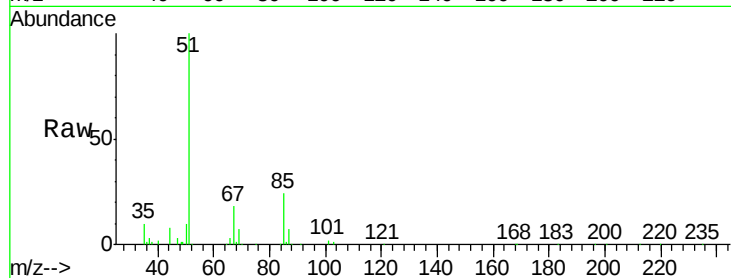
67 17.1 10.9 16.3#

Manual Integrations

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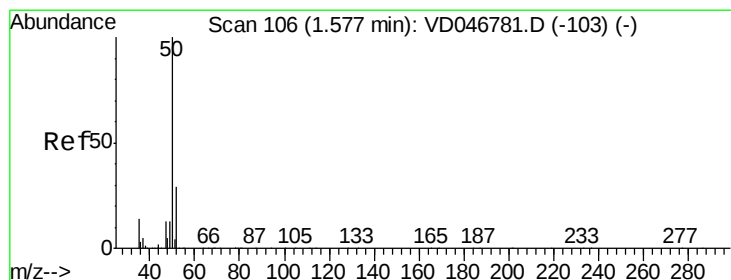
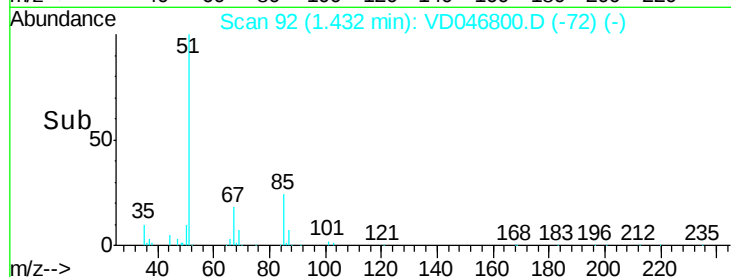
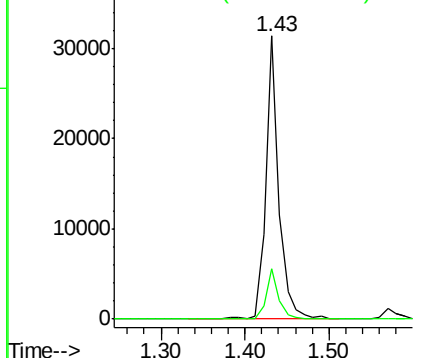
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Abundance Ion 51.00 (50.70 to 51.70): VDC

Ion 67.00 (66.70 to 67.70): VDC



#4

Chloromethane

Concen: 21.76 ug/l

RT: 1.57 min Scan# 106

Delta R.T. -0.01 min

Lab File: VD046800.D

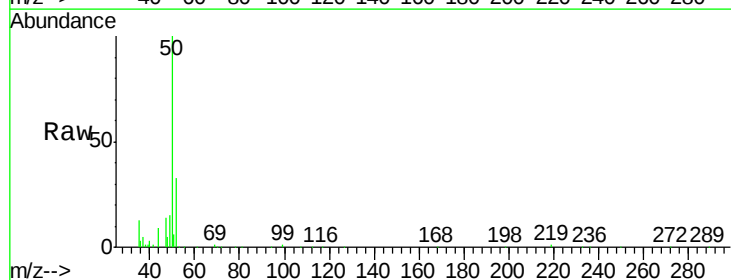
Acq: 21 Sep 2015 12:08

Tgt Ion: 50 Resp: 24247

Ion Ratio Lower Upper

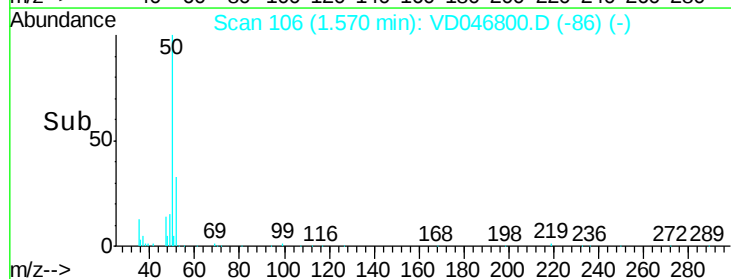
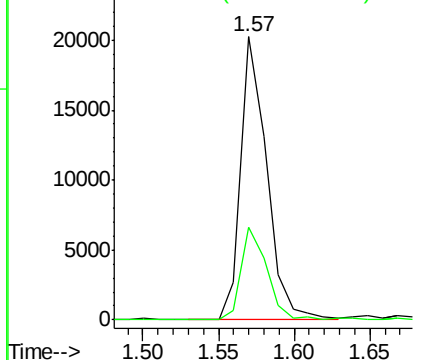
50 100

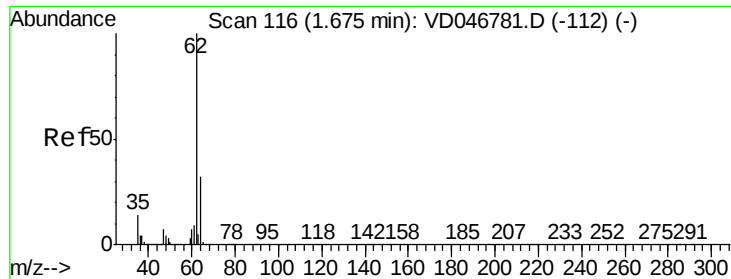
52 32.5 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Vinyl Chloride

Concen: 21.60 ug/l

RT: 1.67 min Scan# 116

Delta R.T. -0.01 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 62 Resp: 22612

Ion Ratio Lower Upper

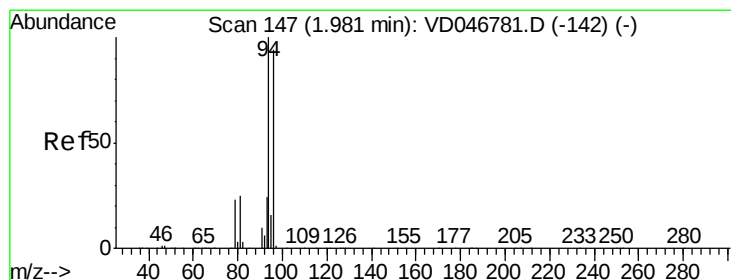
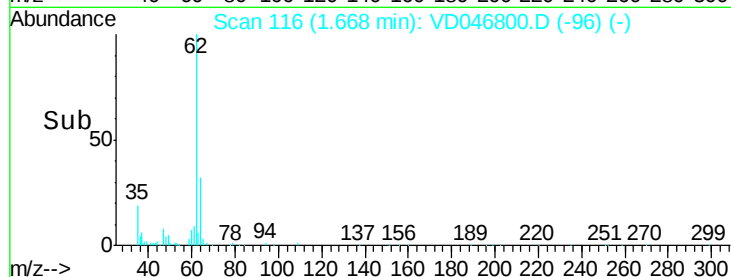
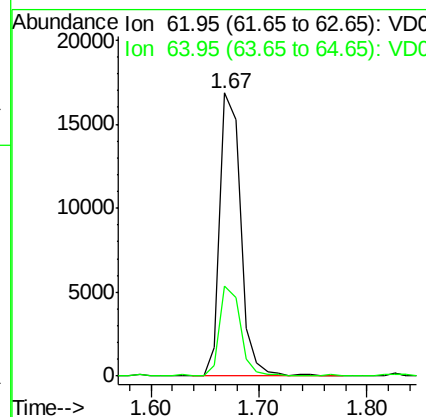
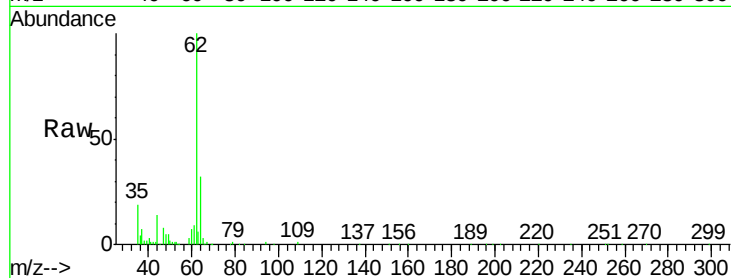
62 100

64 32.0 26.4 39.6

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#6

Bromomethane

Concen: 22.96 ug/l

RT: 1.96 min Scan# 146

Delta R.T. -0.02 min

Lab File: VD046800.D

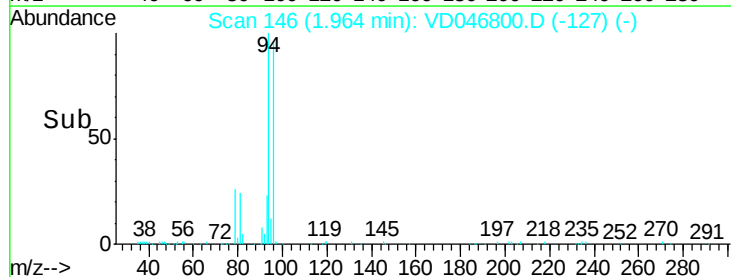
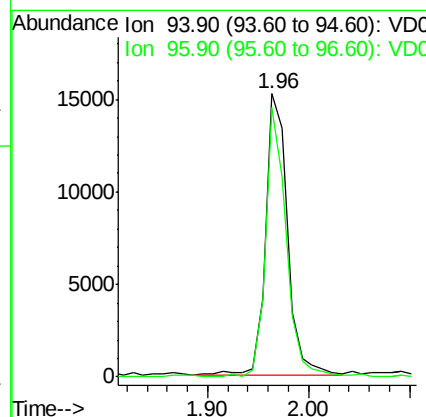
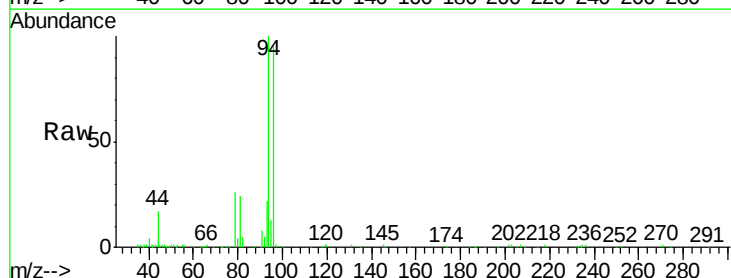
Acq: 21 Sep 2015 12:08

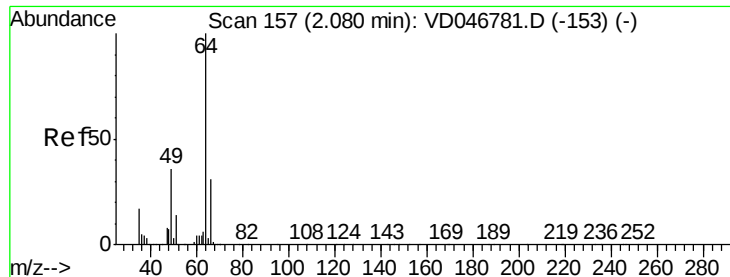
Tgt Ion: 94 Resp: 22822

Ion Ratio Lower Upper

94 100

96 95.1 76.0 114.0





#7

Chloroethane

Concen: 22.38 ug/l

RT: 2.07 min Scan# 157

Delta R.T. -0.01 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

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ClientSampleId :

VD0921SBS01

Tot Ion: 64 Resp: 14662

Ion Ratio Lower Upper

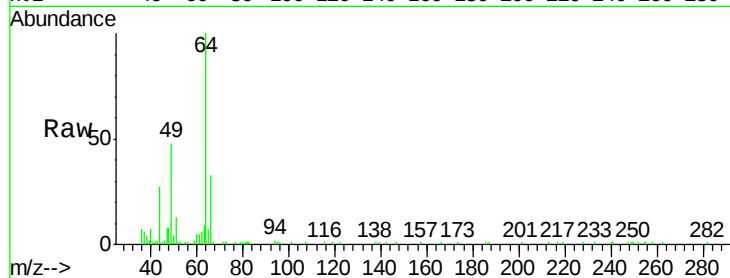
64 100

66 33.0 26.6 39.8

Manual Integrations
APPROVED

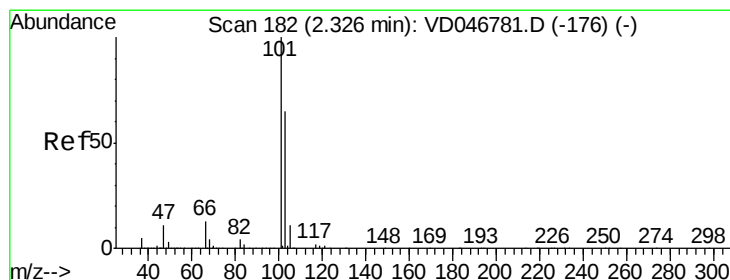
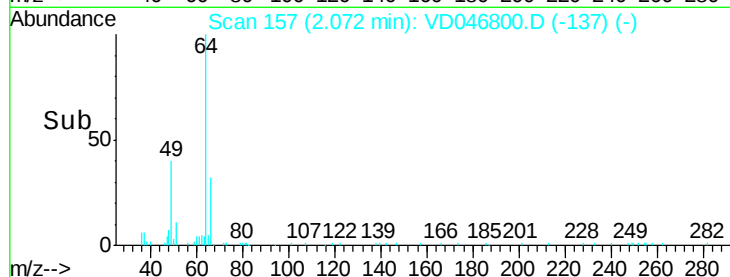
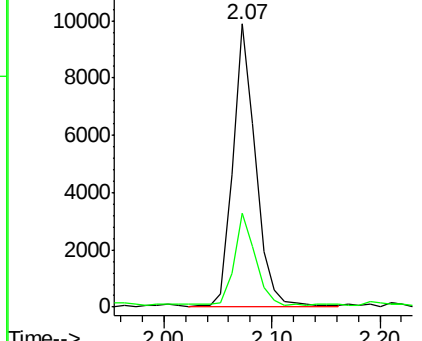
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Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



#8

Trichlorofluoromethane

Concen: 22.60 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD046800.D

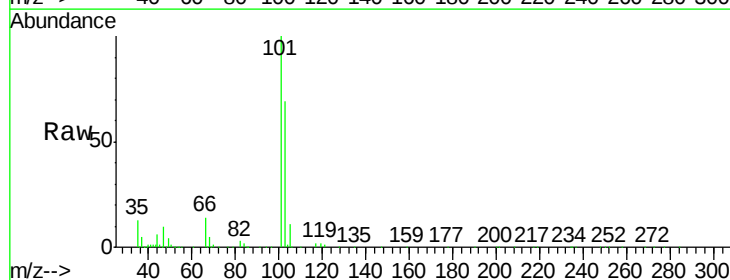
Acq: 21 Sep 2015 12:08

Tgt Ion: 101 Resp: 69979

Ion Ratio Lower Upper

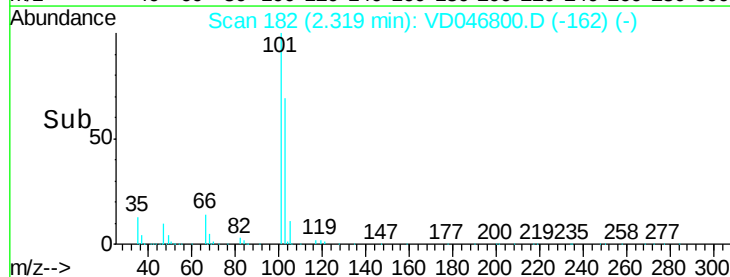
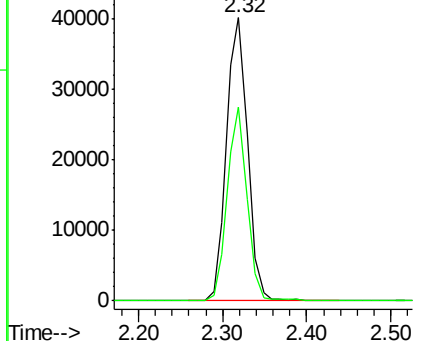
101 100

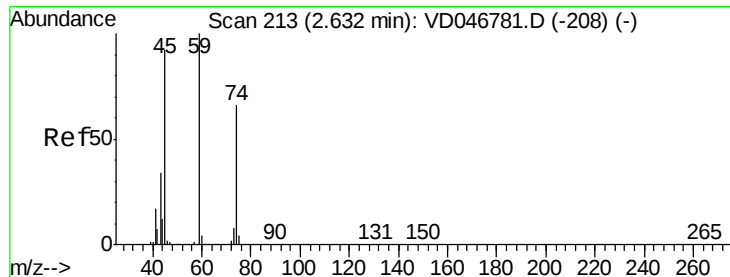
103 68.5 53.2 79.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V





#9

Diethyl Ether

Concen: 19.08 ug/l

RT: 2.62 min Scan# 213

Delta R.T. -0.01 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

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Tot Ion: 74 Resp: 10472

Ion Ratio Lower Upper

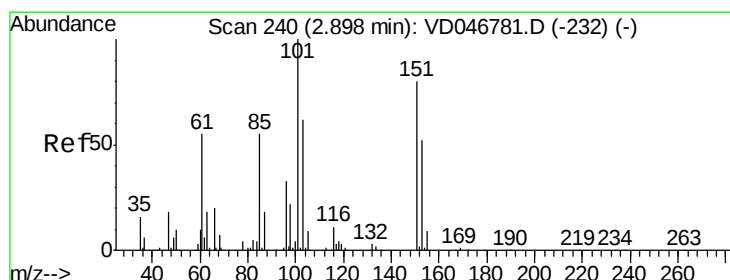
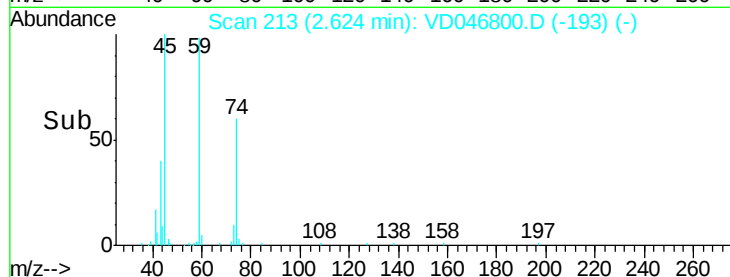
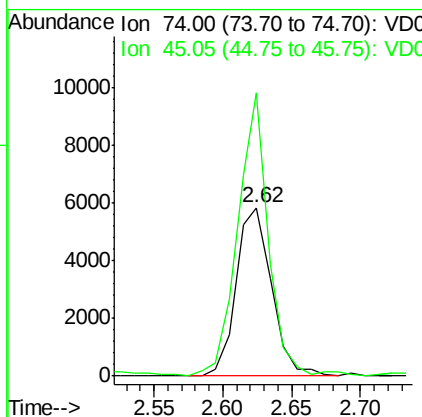
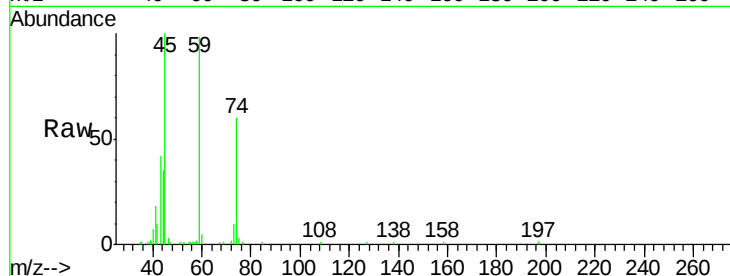
74 100

45 168.0 76.2 228.6

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#10

1,1,2-Trichlorotrifluoroethane

Concen: 22.23 ug/l

RT: 2.88 min Scan# 239

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

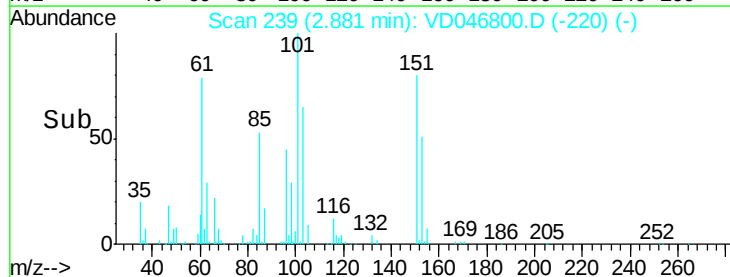
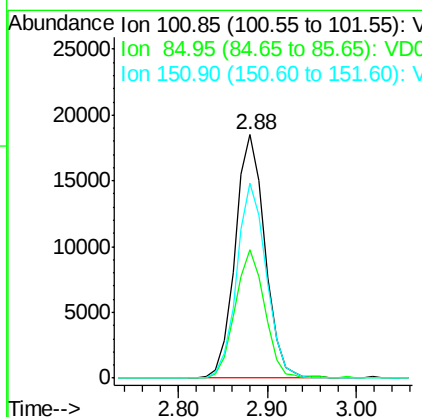
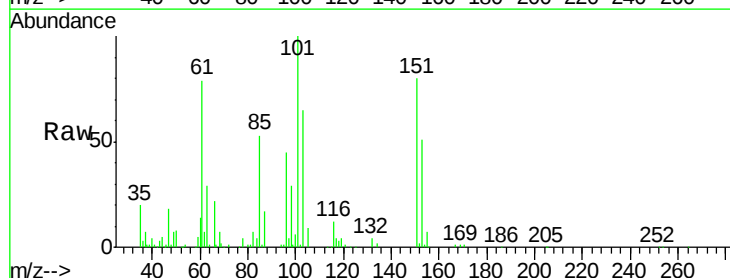
Tgt Ion: 101 Resp: 43064

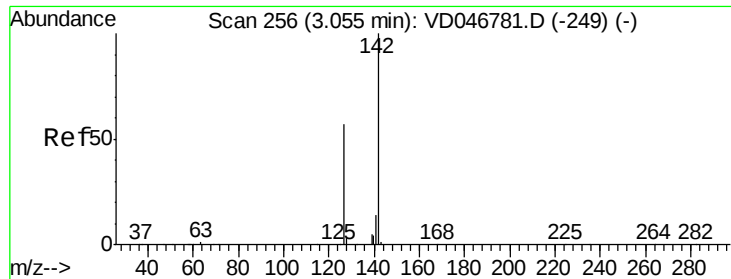
Ion Ratio Lower Upper

101 100

85 52.9 42.0 63.0

151 80.0 65.2 97.8





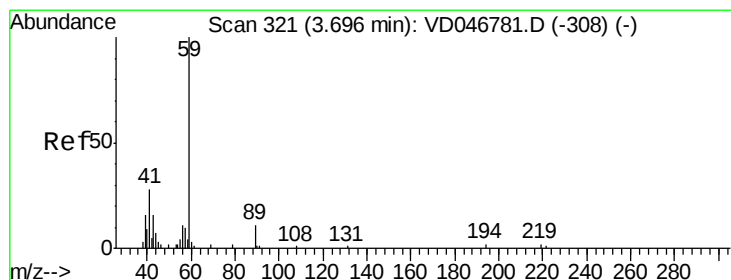
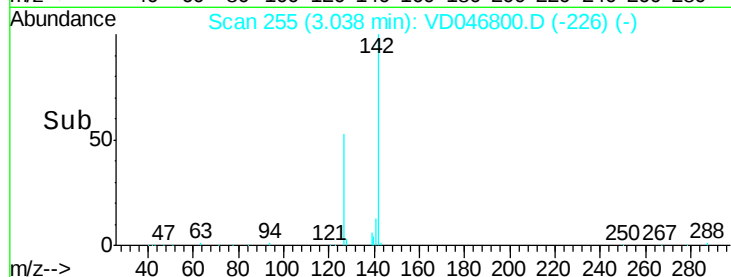
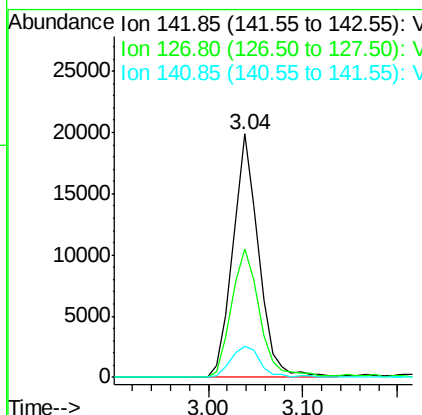
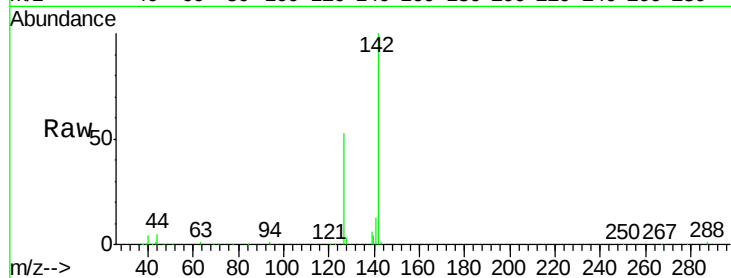
#11
Methyl Iodide
Concen: 17.78 ug/l
RT: 3.04 min Scan# 255
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	52.8	41.2	61.8
141	12.6	11.6	17.4

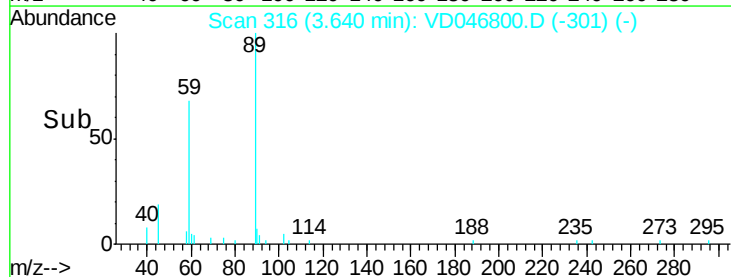
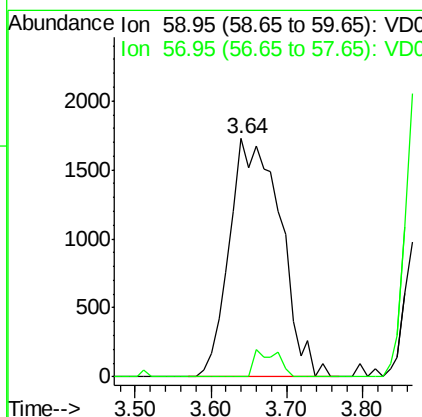
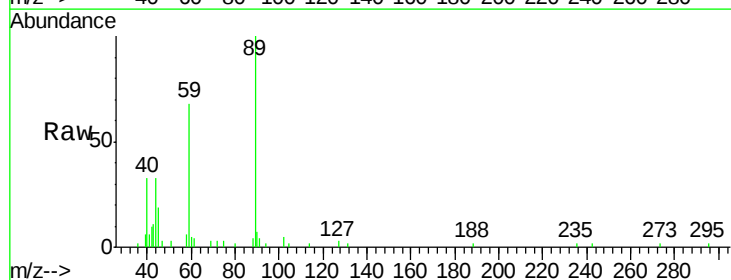
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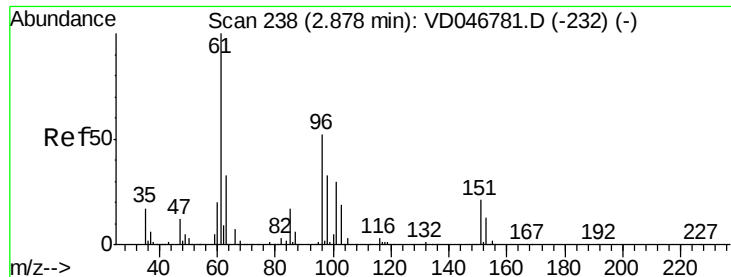
MMDadoda
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#12
Tert butyl alcohol
Concen: 86.88 ug/l
RT: 3.64 min Scan# 316
Delta R.T. -0.06 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.6#





#13

1,1-Dichloroethene

Concen: 21.49 ug/l

RT: 2.87 min Scan# 238

Delta R.T. -0.01 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

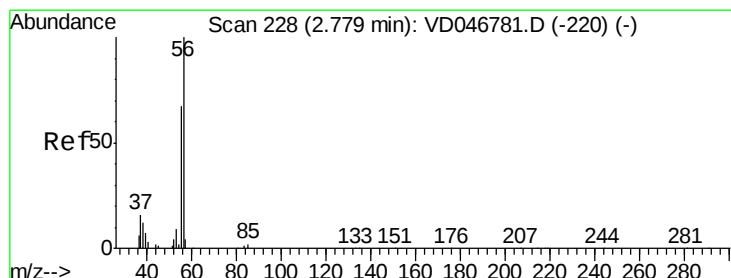
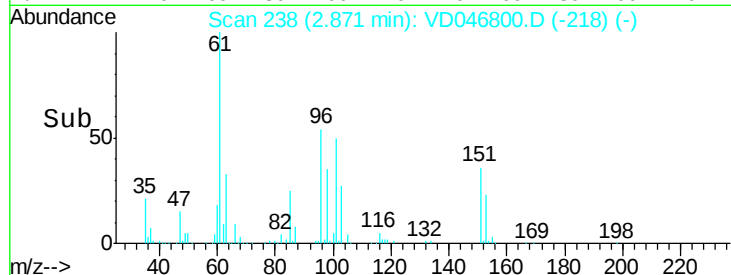
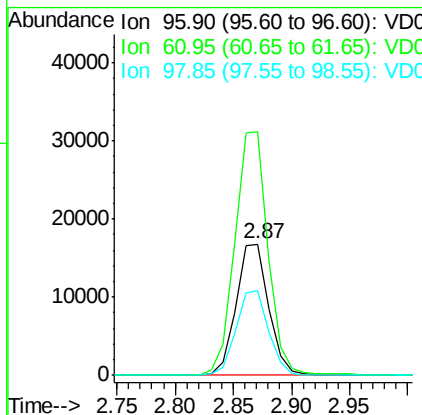
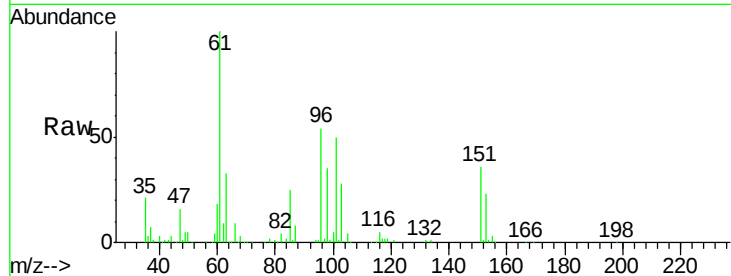
ClientSampleId :

VD0921SBS01

Tot Ion:	96	Resp:	32550
Ion	Ratio	Lower	Upper
96	100		
61	185.7	152.2	228.4
98	64.9	51.2	76.8

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#14

Acrolein

Concen: 102.62 ug/l

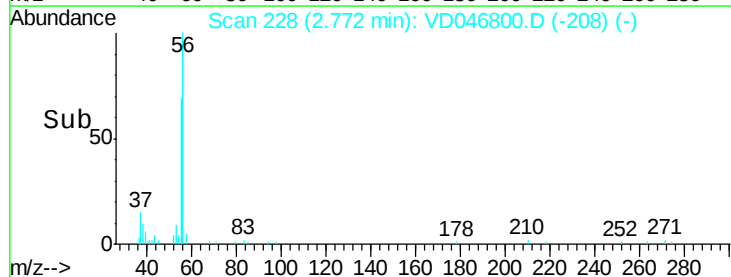
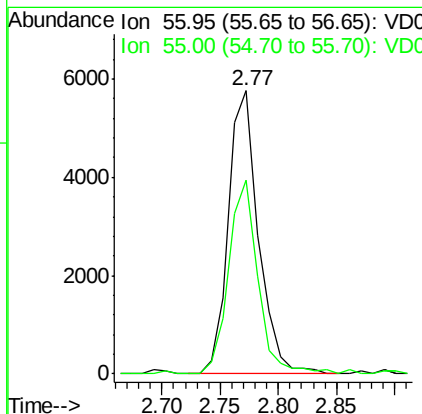
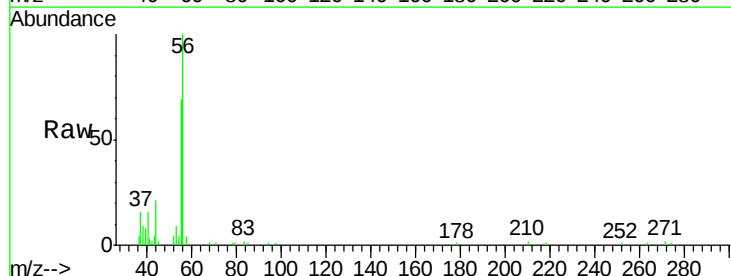
RT: 2.77 min Scan# 228

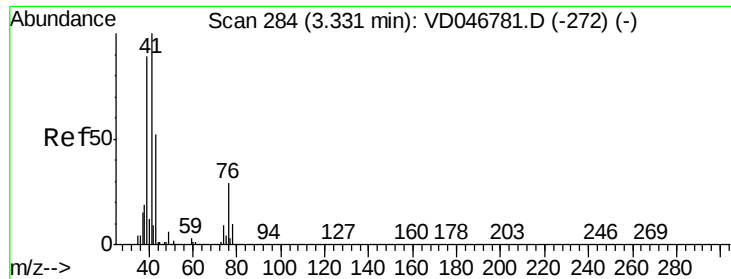
Delta R.T. -0.01 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Tgt Ion:	56	Resp:	10305
Ion	Ratio	Lower	Upper
56	100		
55	68.7	62.6	93.8





#15

Allvl chloride

Concen: 21.11 ug/l

RT: 3.31 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

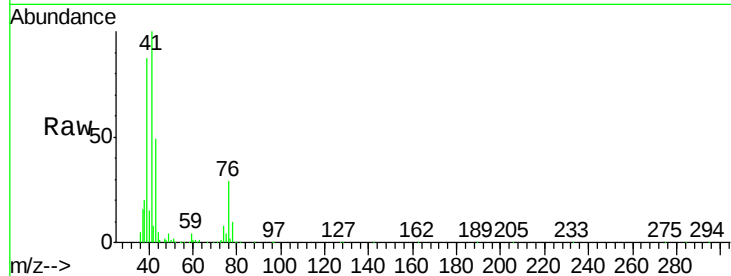
ClientSampleId :

VD0921SBS01

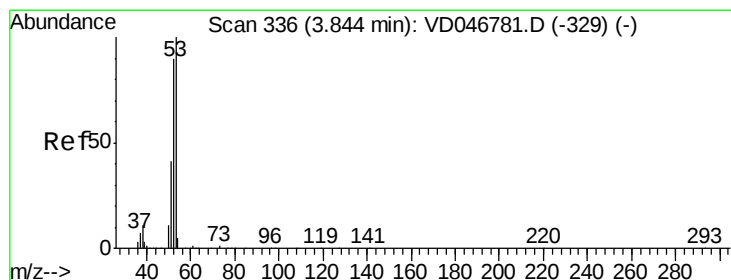
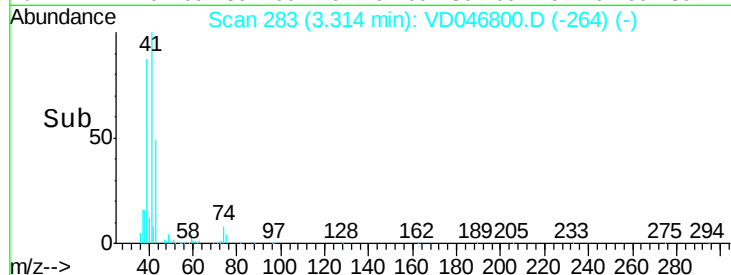
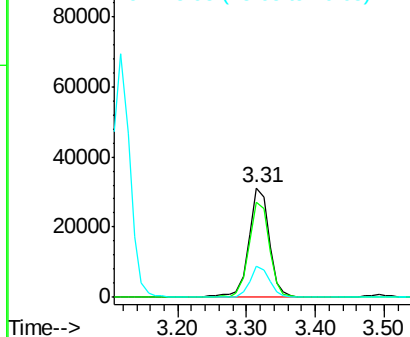
Tot Ion:	41	Resp:	64919
Ion	Ratio	Lower	Upper
41	100		
39	86.7	58.8	88.2
76	28.6	22.7	34.1

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Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC



#16

Acrylonitrile

Concen: 98.09 ug/l

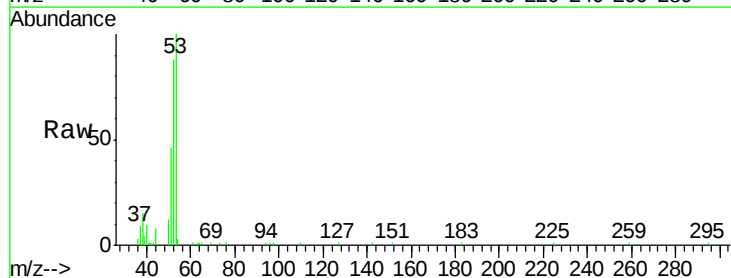
RT: 3.83 min Scan# 335

Delta R.T. -0.02 min

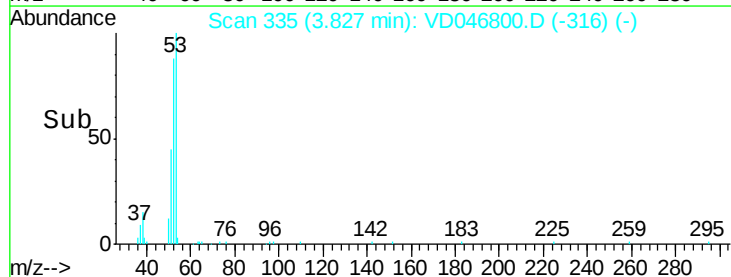
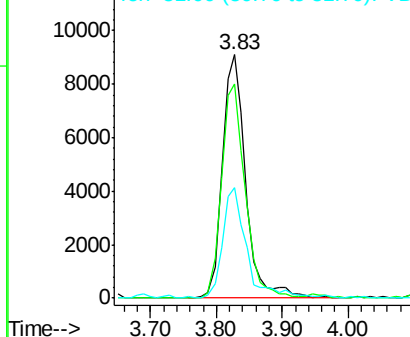
Lab File: VD046800.D

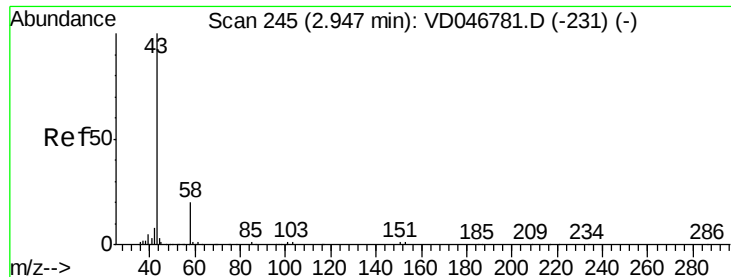
Acq: 21 Sep 2015 12:08

Tgt Ion:	53	Resp:	22513
Ion	Ratio	Lower	Upper
53	100		
52	88.0	66.8	100.2
51	45.6	31.2	46.8



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC





#17

Acetone

Concen: 103.90 ug/l

RT: 2.93 min Scan# 244

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 43 Resp: 34508

Ion Ratio Lower Upper

43 100

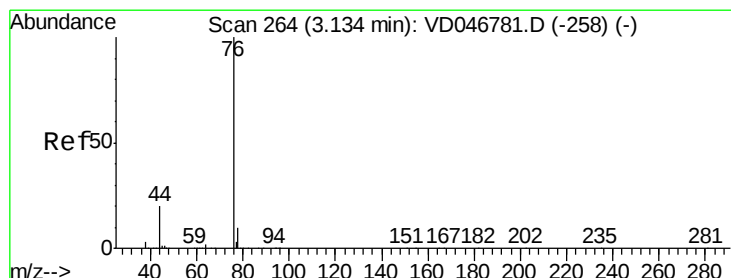
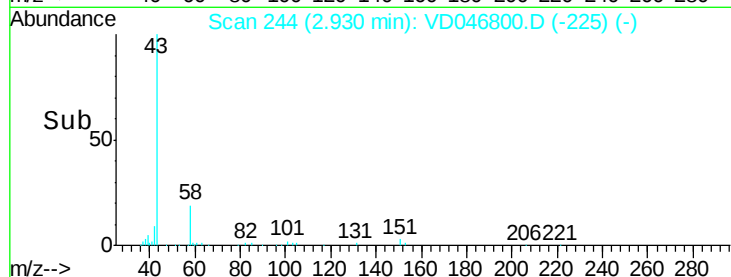
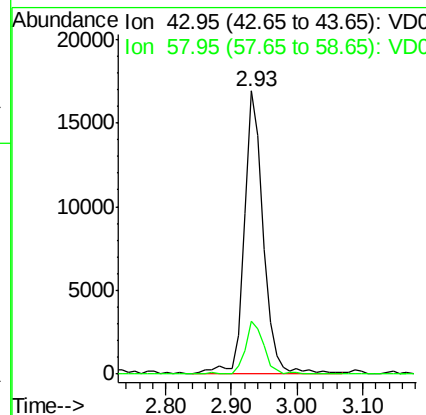
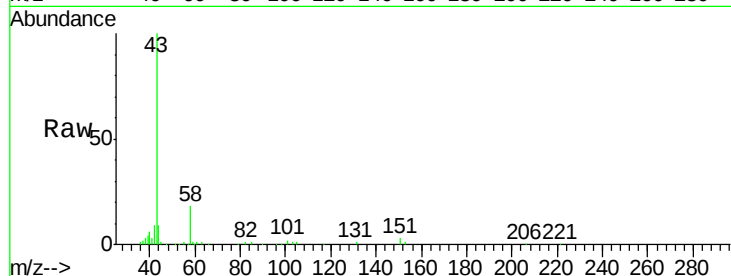
58 18.5 16.6 24.8

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#18

Carbon Disulfide

Concen: 21.33 ug/l

RT: 3.12 min Scan# 263

Delta R.T. -0.02 min

Lab File: VD046800.D

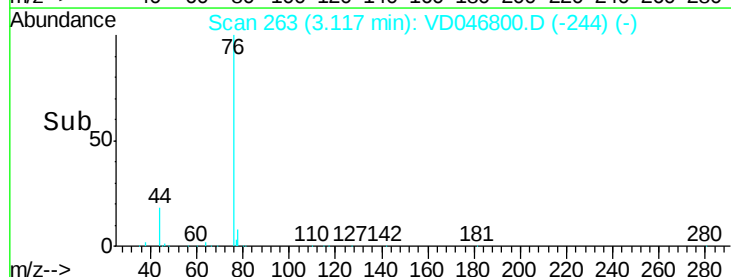
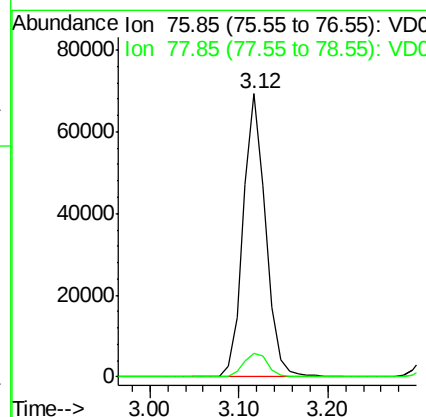
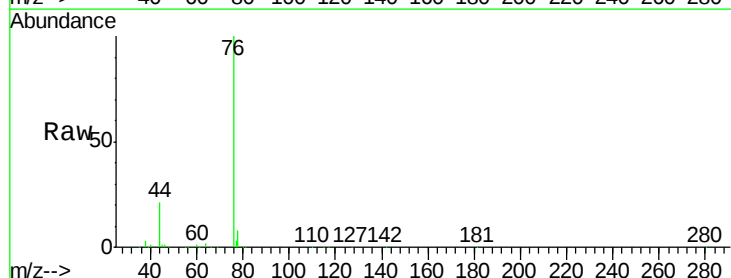
Acq: 21 Sep 2015 12:08

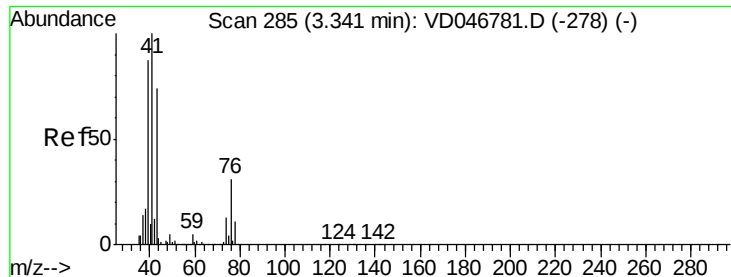
Tgt Ion: 76 Resp: 121013

Ion Ratio Lower Upper

76 100

78 8.2 8.0 12.0





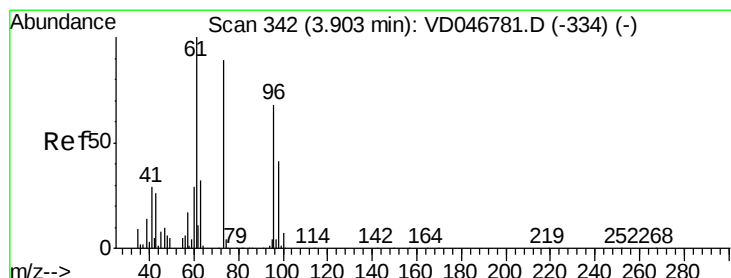
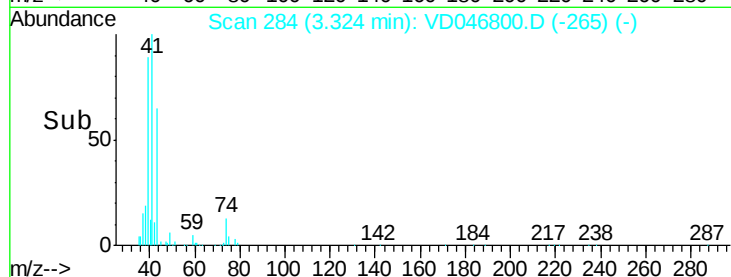
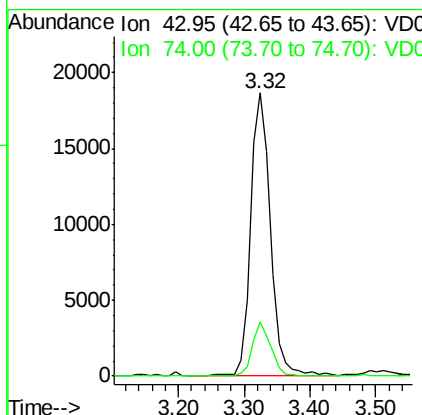
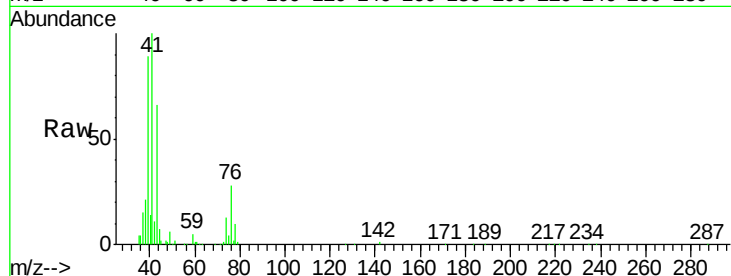
#19
Methvl Acetate
Concen: 20.27 ug/l
RT: 3.32 min Scan# 284
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion: 43 Resp: 39006
Ion Ratio Lower Upper
43 100
74 19.3 13.7 20.5

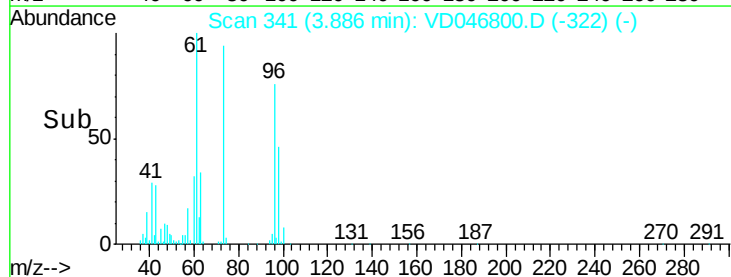
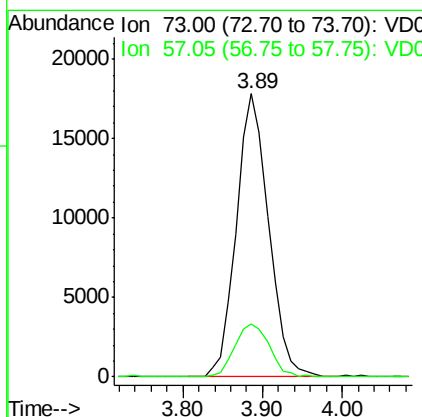
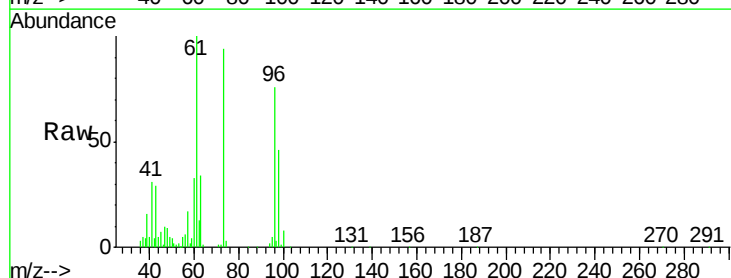
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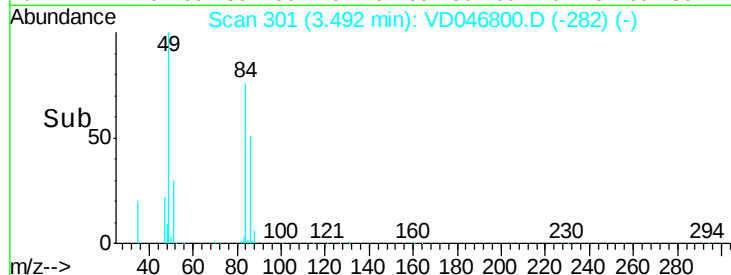
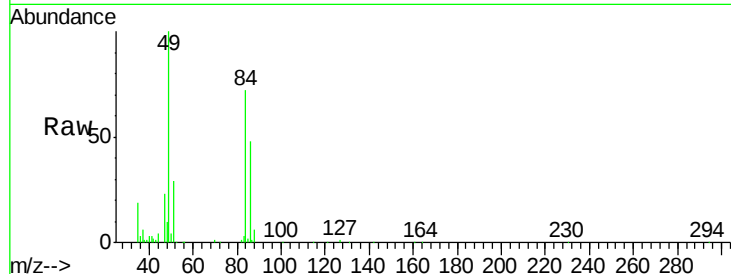
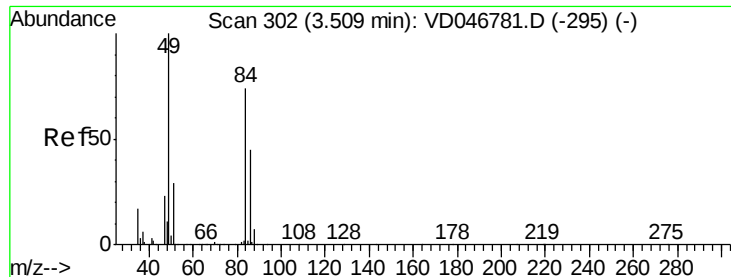
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#20
Methyl tert-butyl Ether
Concen: 21.08 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Tgt Ion: 73 Resp: 50023
Ion Ratio Lower Upper
73 100
57 18.6 18.1 27.1





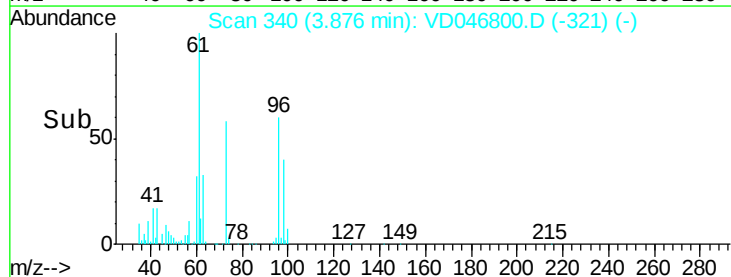
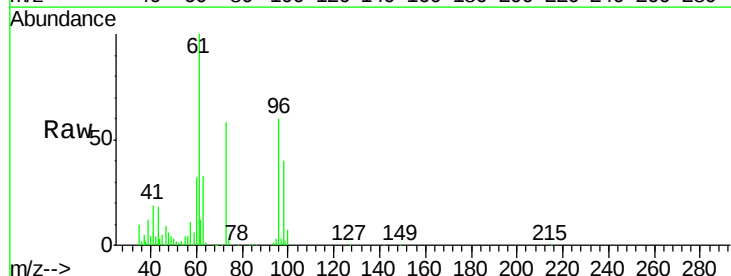
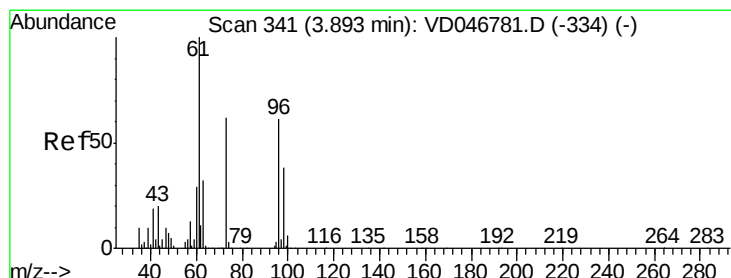
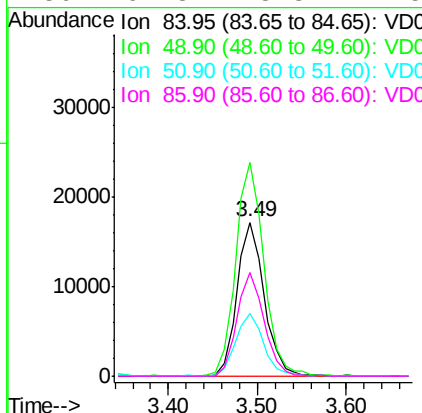
#21
Methvlene Chloride
Concen: 20.26 ug/l
RT: 3.49 min Scan# 301
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Tot Ion:	84	Resp:	36542
Ion	Ratio	Lower	Upper
84	100		
49	139.1	122.1	183.1
51	40.9	33.6	50.4
86	67.3	48.3	72.5

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

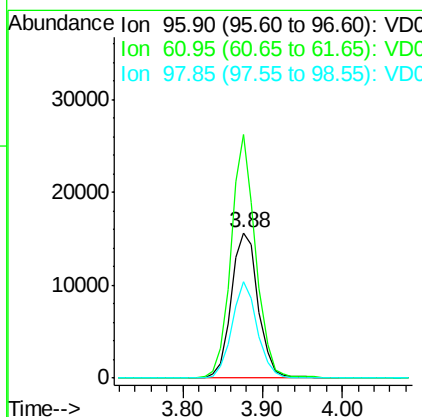
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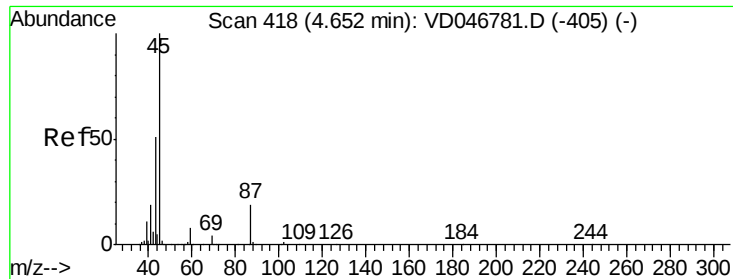
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 21.65 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Tgt Ion:	96	Resp:	36974
Ion	Ratio	Lower	Upper
96	100		
61	167.2	125.8	188.6
98	66.1	54.5	81.7





#23

Diisopropyl ether

Concen: 21.37 ug/l

RT: 4.64 min Scan# 417

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

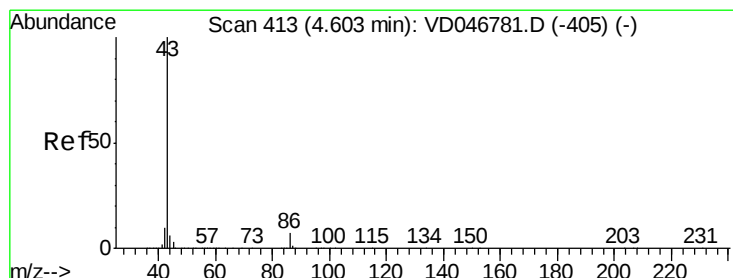
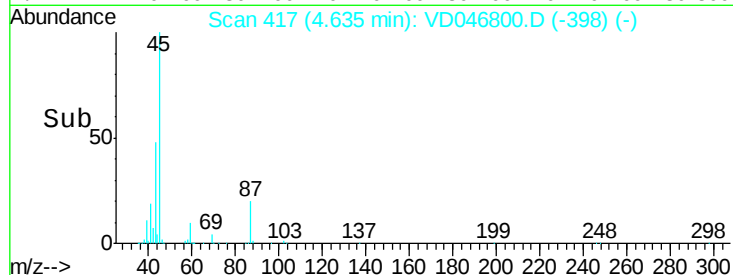
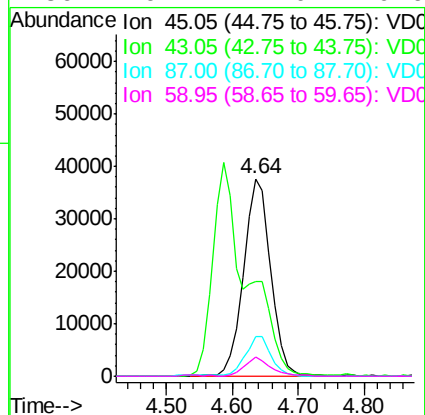
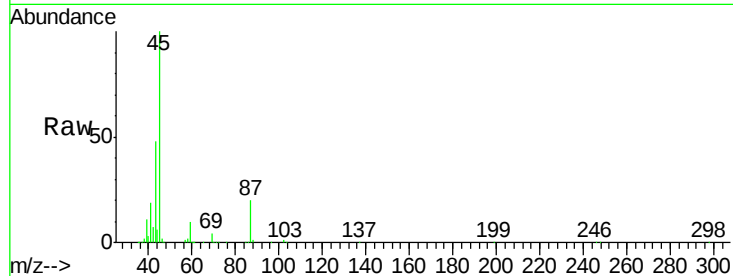
ClientSampleId :

VD0921SBS01

Tot Ion	Ion	Ratio	Lower	Upper
45	100			
43	47.7	35.9	53.9	
87	20.1	13.0	19.6	
59	9.7	7.0	10.6	

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#24

Vinyl Acetate

Concen: 92.74 ug/l m

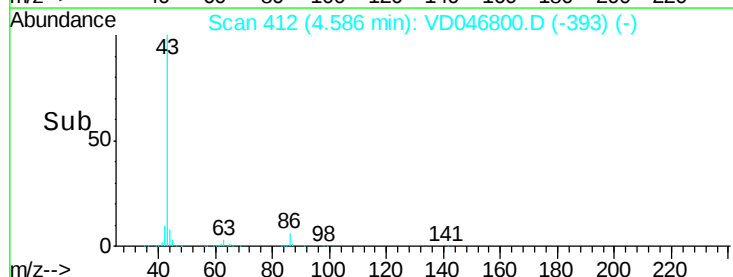
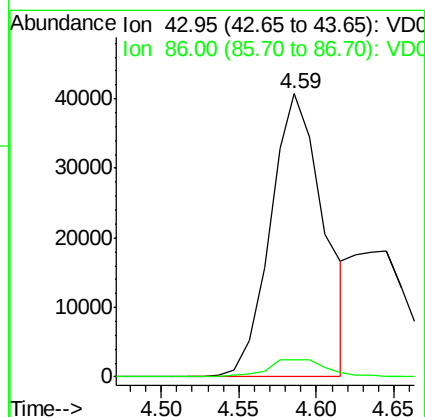
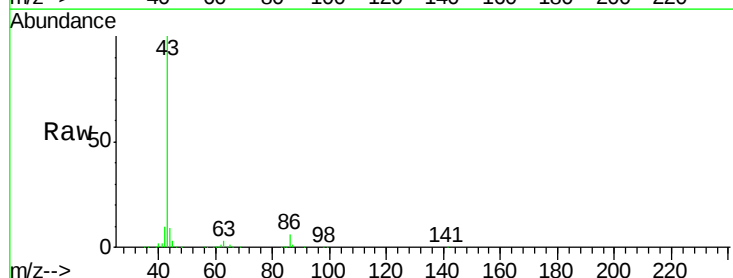
RT: 4.59 min Scan# 412

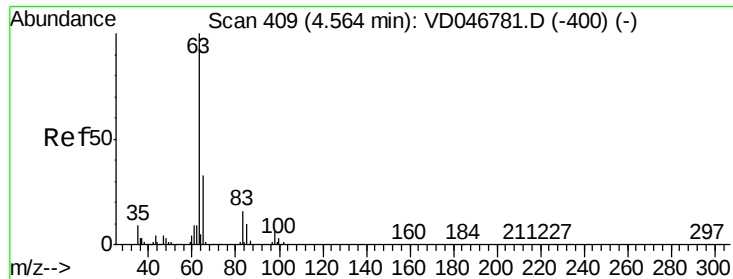
Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
86	6.2	4.9	7.3	





#25

1,1-Dichloroethane

Concen: 21.31 ug/l

RT: 4.55 min Scan# 408

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

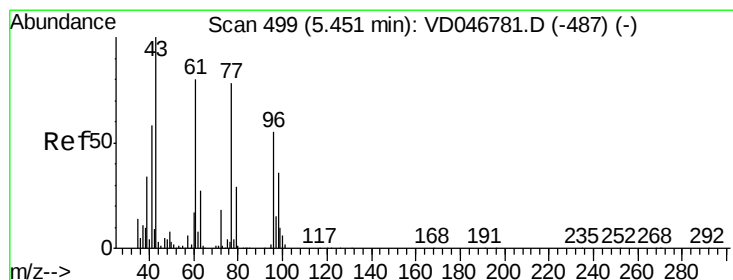
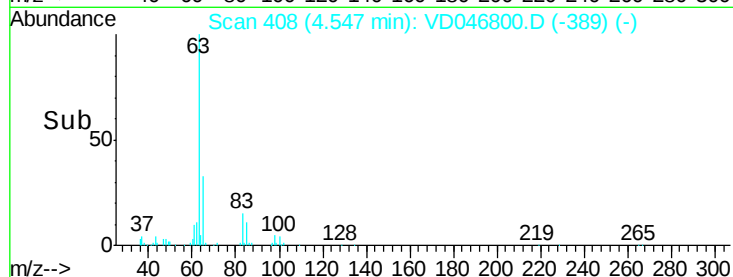
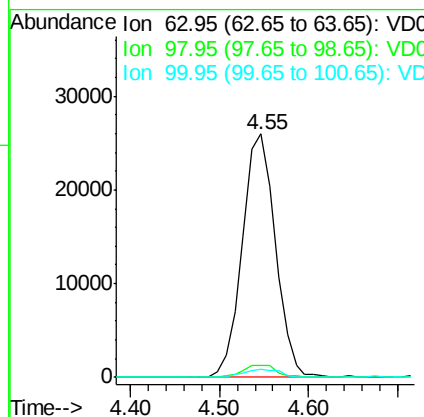
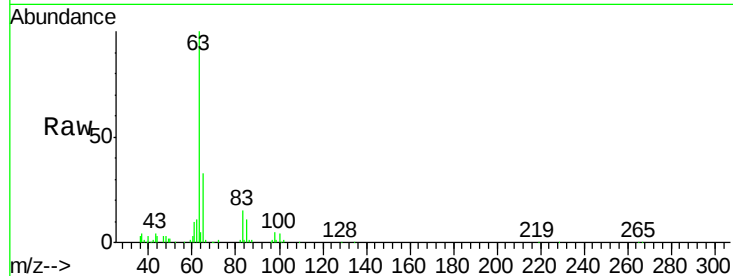
ClientSampleId :

VD0921SBS01

Tot Ion:	63	Resp:	67022
Ion Ratio	Lower	Upper	
63	100		
98	4.8	2.5	7.5
100	3.5	1.5	4.5

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#26

2-Butanone

Concen: 101.97 ug/l

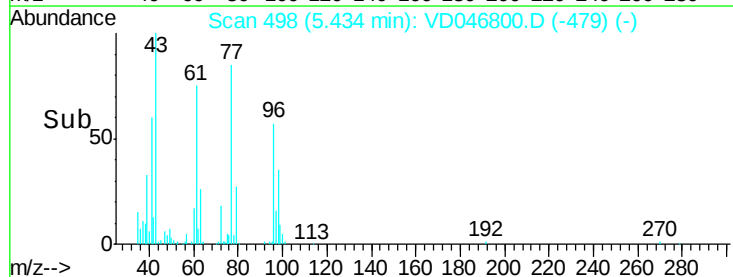
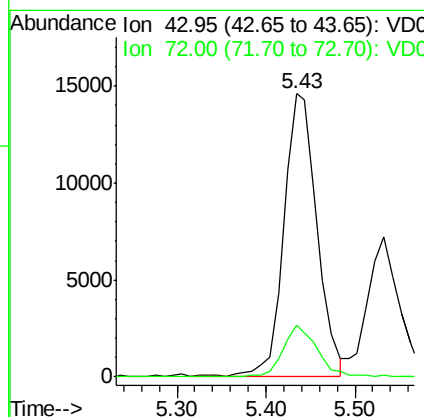
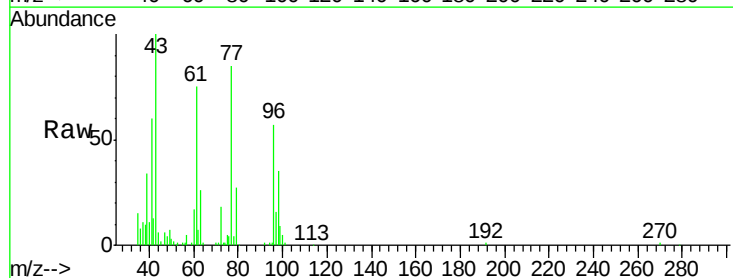
RT: 5.43 min Scan# 498

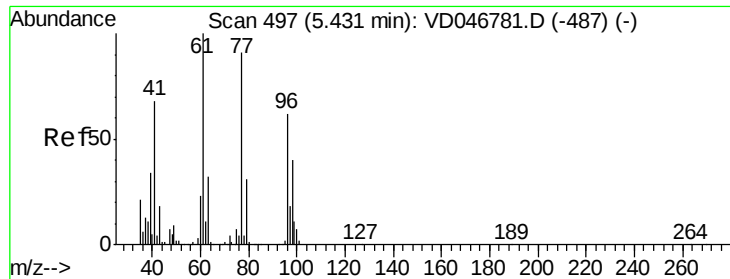
Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Tgt Ion:	43	Resp:	38063
Ion Ratio	Lower	Upper	
43	100		
72	18.4	13.4	20.0





#27

2,2-Dichloropropane

Concen: 22.33 ug/l

RT: 5.41 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 77 Resp: 72149

Ion Ratio Lower Upper

77 100

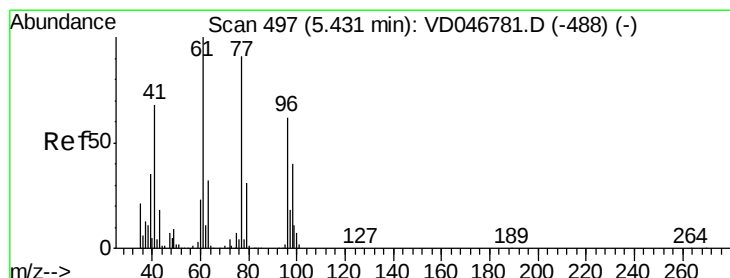
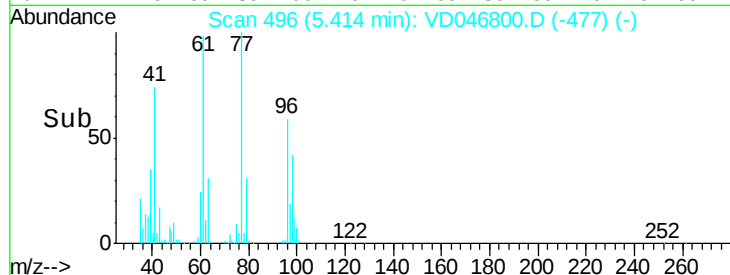
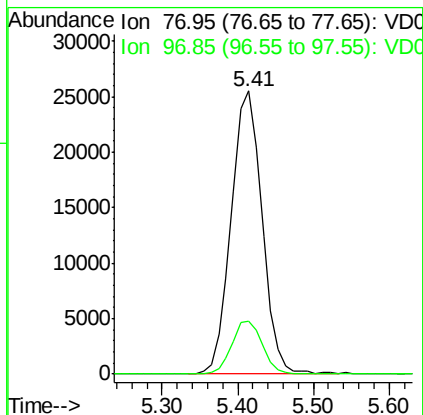
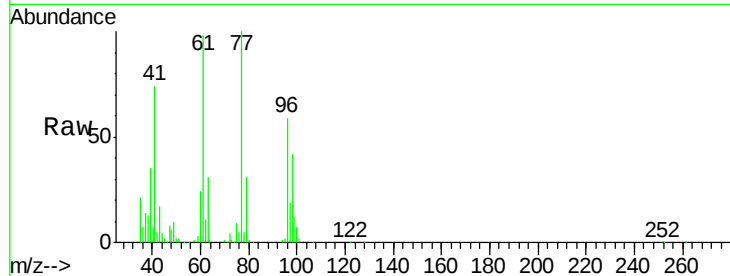
97 18.8 10.4 31.1

Manual Integrations

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#28

cis-1,2-Dichloroethene

Concen: 21.34 ug/l

RT: 5.41 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

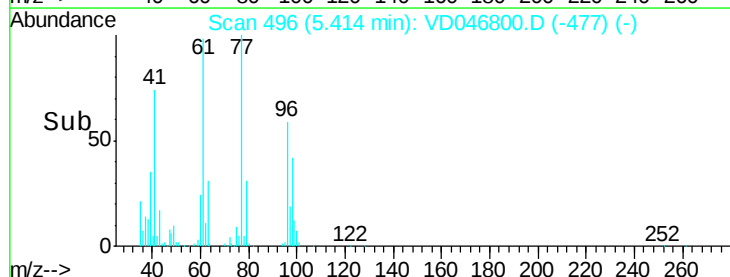
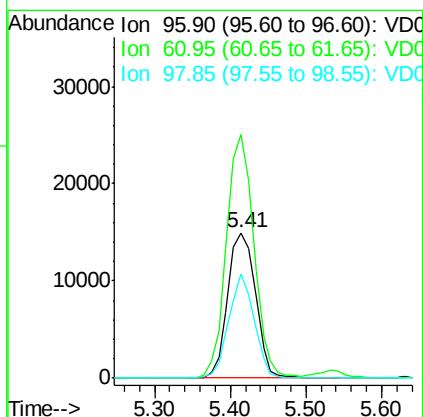
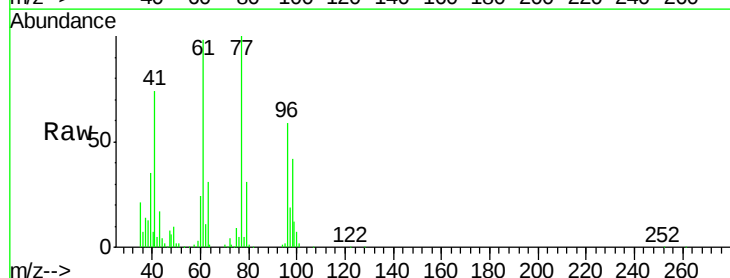
Tgt Ion: 96 Resp: 37946

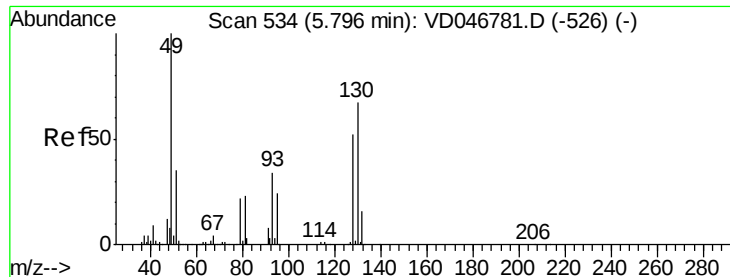
Ion Ratio Lower Upper

96 100

61 167.7 0.0 348.0

98 71.9 0.0 128.8





#29

Bromochloromethane

Concen: 20.84 ug/l

RT: 5.78 min Scan# 533

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

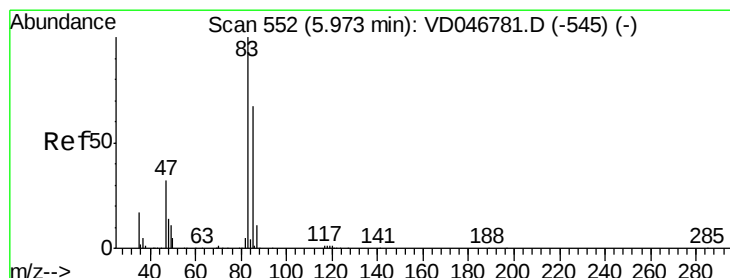
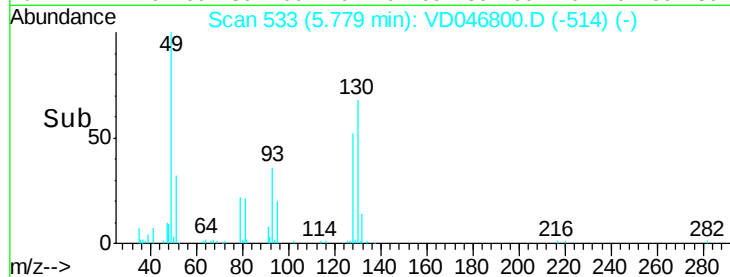
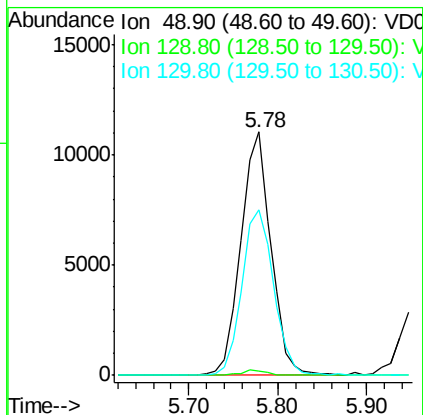
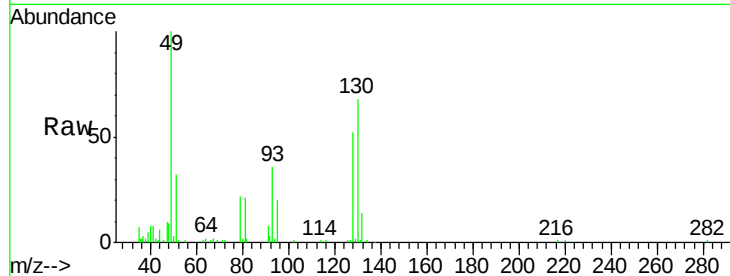
ClientSampleId :

VD0921SBS01

Tot Ion:	49	Resp:	25827
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	2.8
130	67.9	50.2	75.4

Manual Integrations
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#30

Chloroform

Concen: 21.84 ug/l

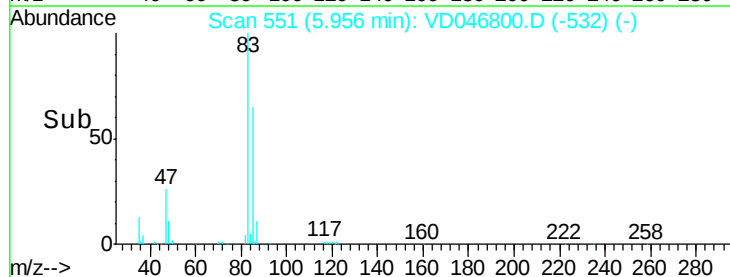
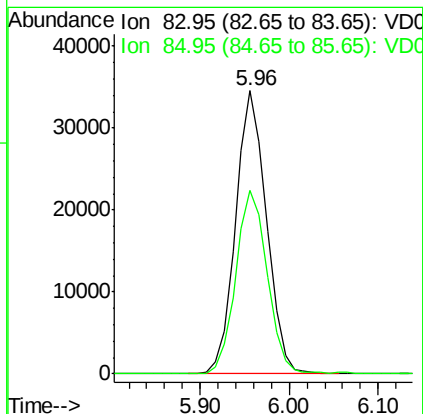
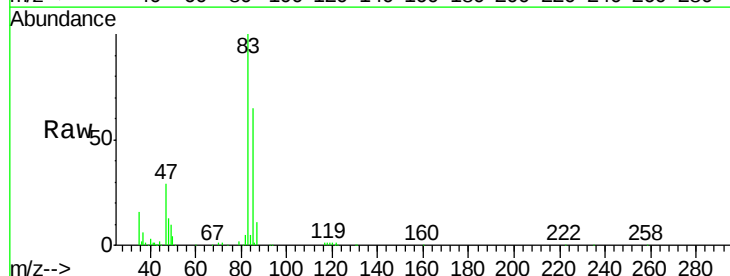
RT: 5.96 min Scan# 551

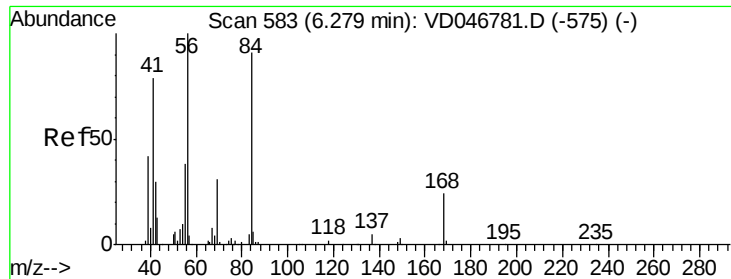
Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Tgt Ion:	83	Resp:	83307
Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.5	78.7





#31

Cyclohexane

Concen: 21.06 ug/l

RT: 6.26 min Scan# 582

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

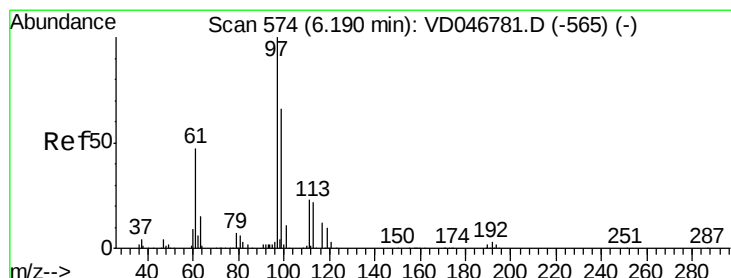
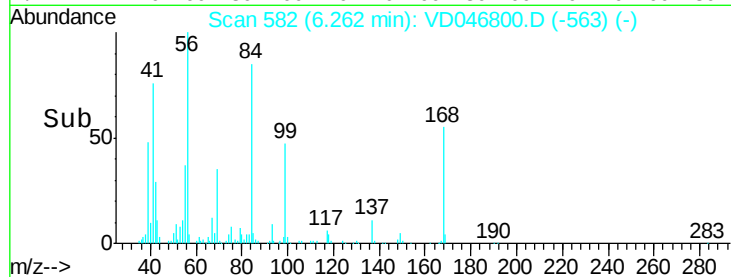
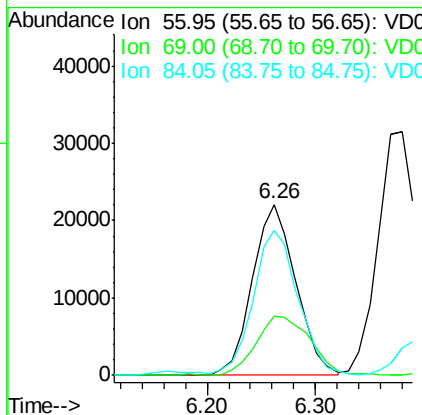
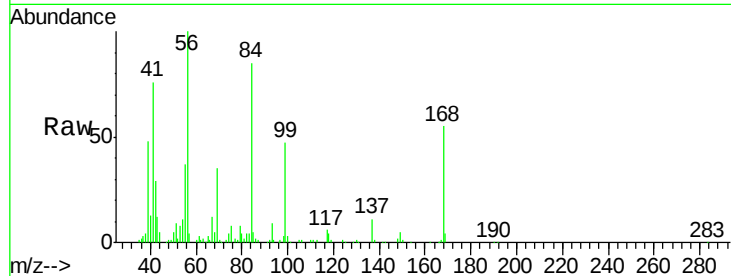
ClientSampleId :

VD0921SBS01

Tot Ion:	56	Resp:	62140
Ion	Ratio	Lower	Upper
56	100		
69	34.9	23.4	35.0
84	84.9	63.8	95.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.55 ug/l

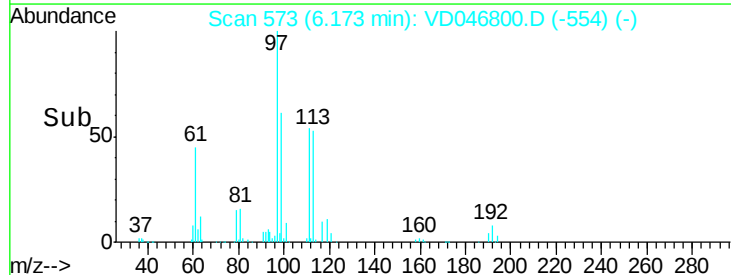
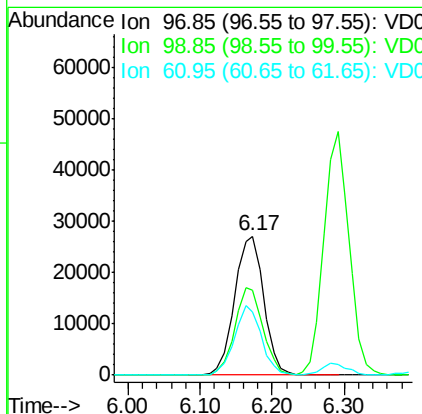
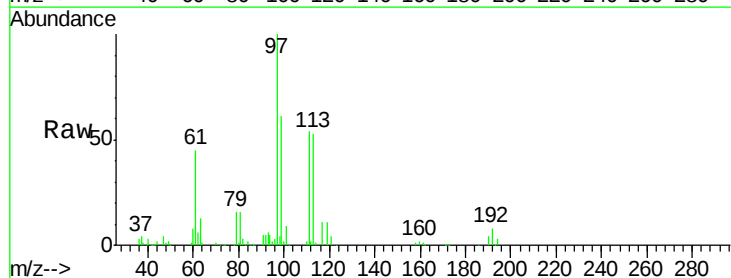
RT: 6.17 min Scan# 573

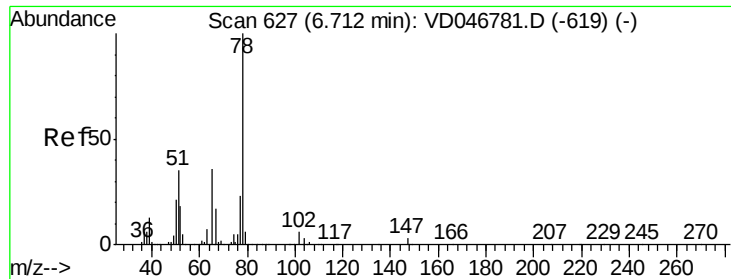
Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Tgt Ion:	97	Resp:	76587
Ion	Ratio	Lower	Upper
97	100		
99	60.8	50.2	75.4
61	45.3	38.6	57.8





#33

1,2-Dichloroethane-d4

Concen: 22.55 ug/l

RT: 6.70 min Scan# 626

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 65 Resp: 105624

Ion Ratio Lower Upper

65 100

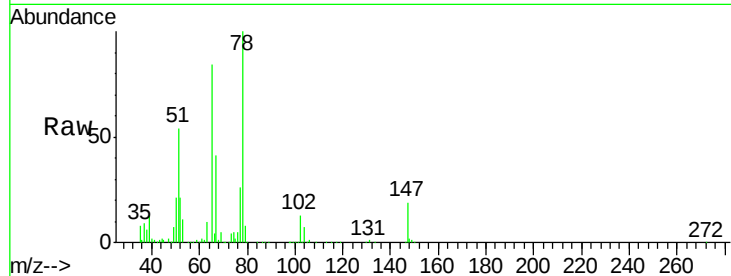
67 48.8 0.0 105.4

Manual Integrations

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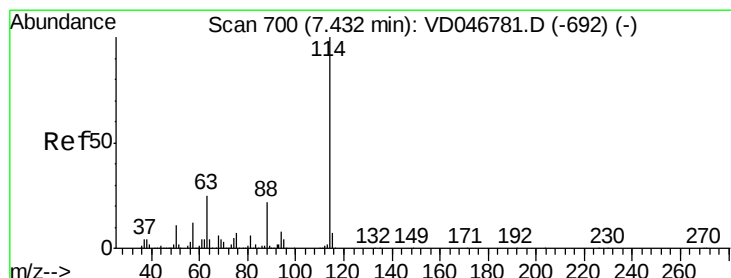
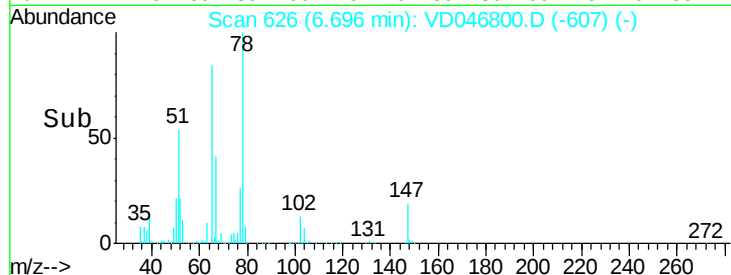
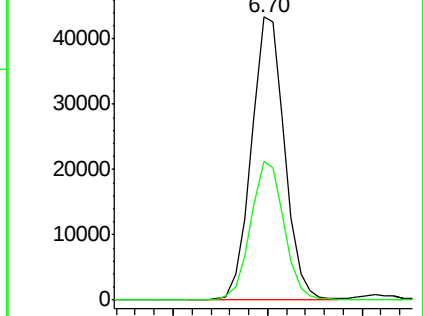
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.42 min Scan# 699

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

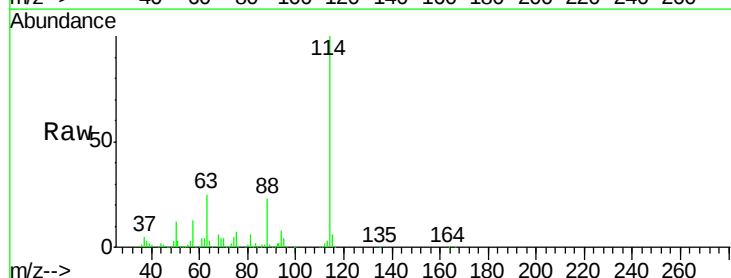
Tgt Ion: 114 Resp: 233349

Ion Ratio Lower Upper

114 100

63 25.3 0.0 49.8

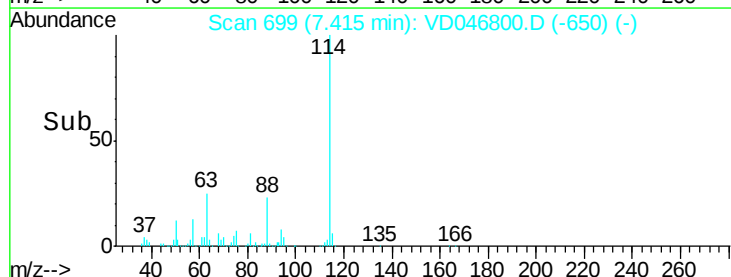
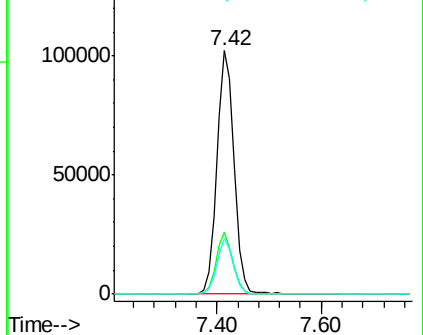
88 22.9 0.0 43.6

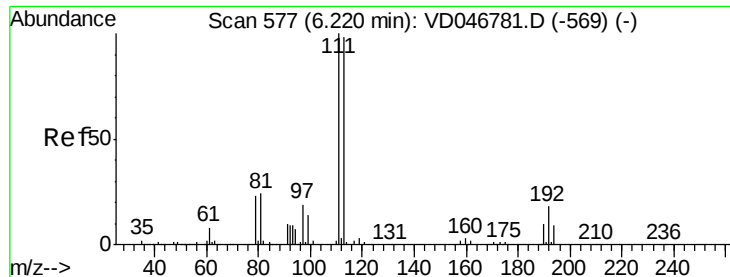


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





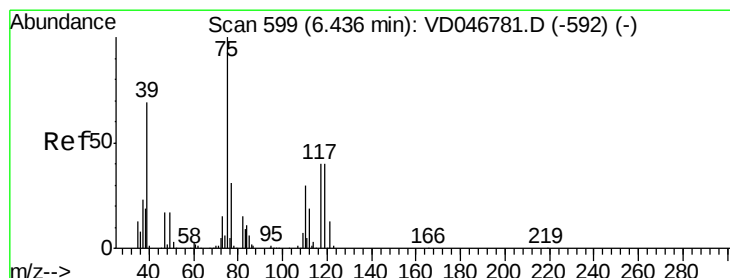
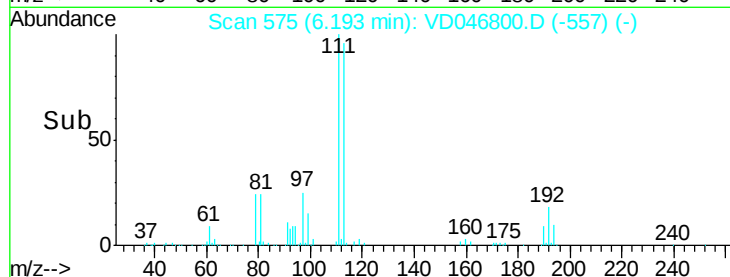
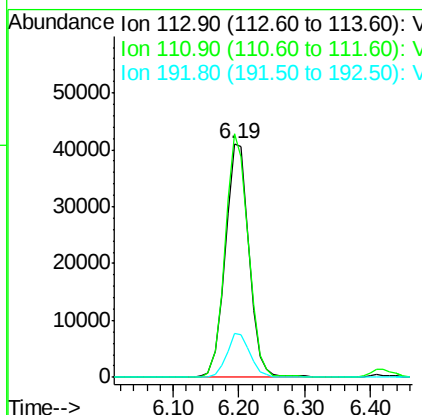
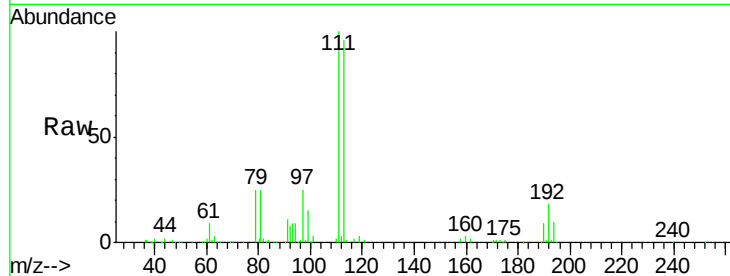
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.19 min Scan# 575
 Delta R.T. -0.03 min
 Lab File: VD046800.D
 Acq: 21 Sep 2015 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	103902		
111	104.3		79.4	119.0
192	18.7		14.6	22.0

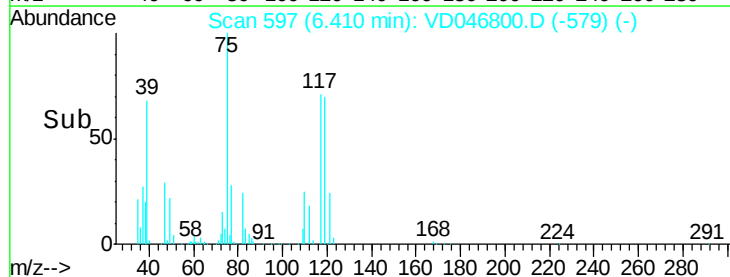
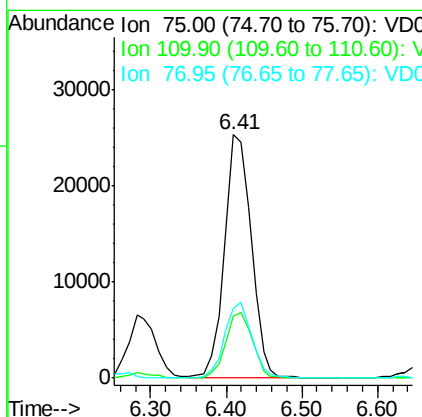
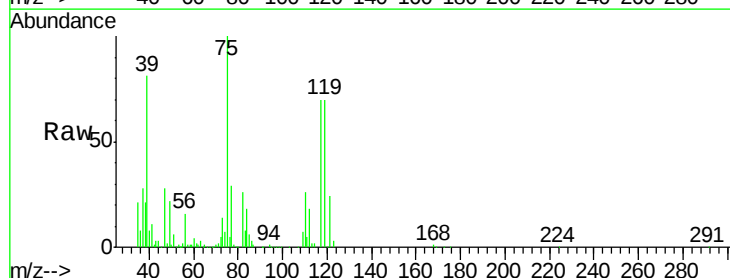
Manual Integrations
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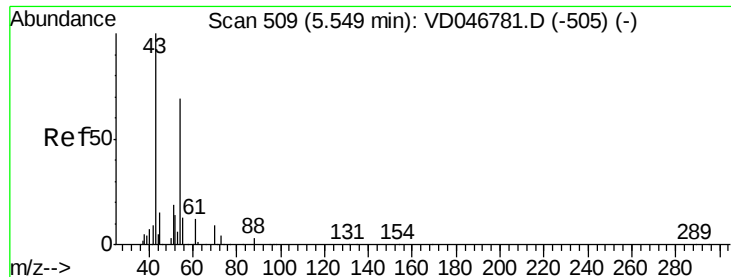
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 22.90 ug/l
 RT: 6.41 min Scan# 597
 Delta R.T. -0.03 min
 Lab File: VD046800.D
 Acq: 21 Sep 2015 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	62454		
110	25.6		13.7	41.0
77	28.7		24.7	37.1





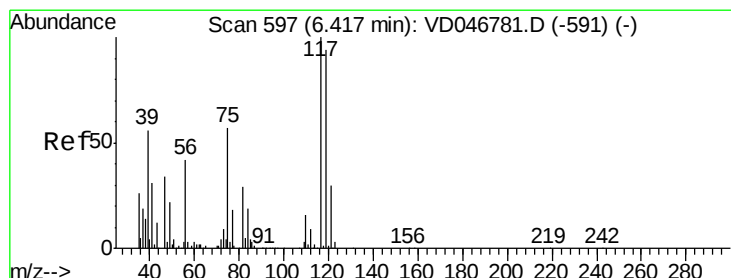
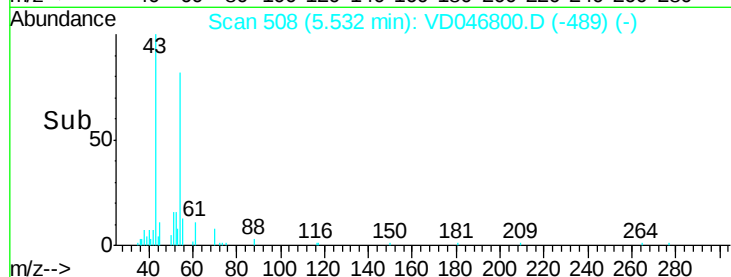
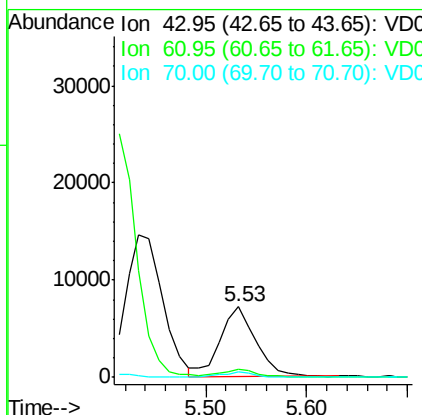
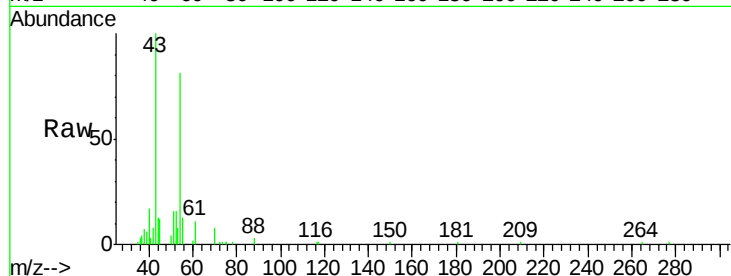
#37
Ethyl Acetate
Concen: 20.06 ug/l
RT: 5.53 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	10.9	9.4	14.2
70	7.7	6.0	9.0

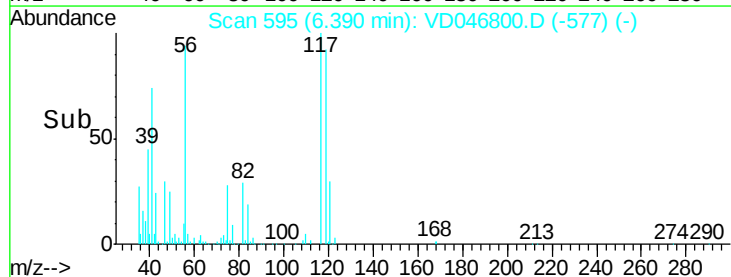
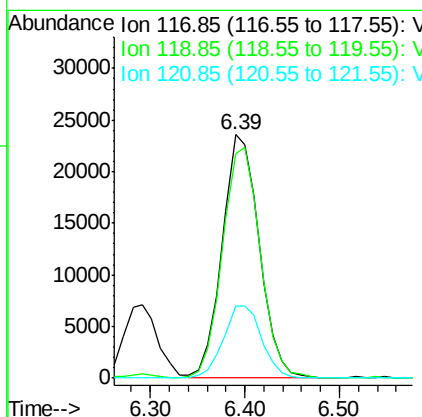
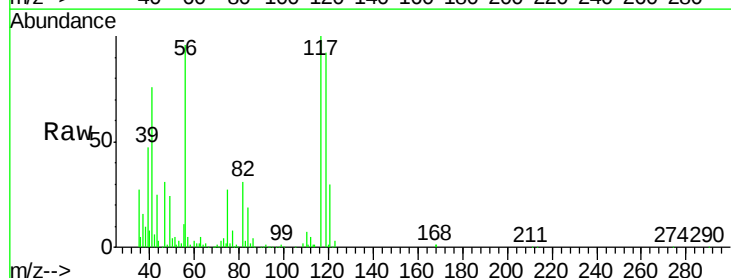
Manual Integrations
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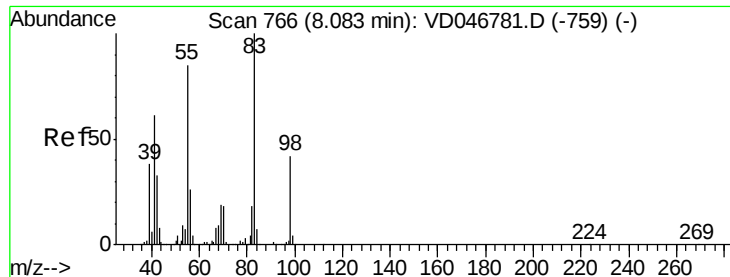
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#38
Carbon Tetrachloride
Concen: 22.51 ug/l
RT: 6.39 min Scan# 595
Delta R.T. -0.03 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.1	76.2	114.4
121	29.8	24.5	36.7





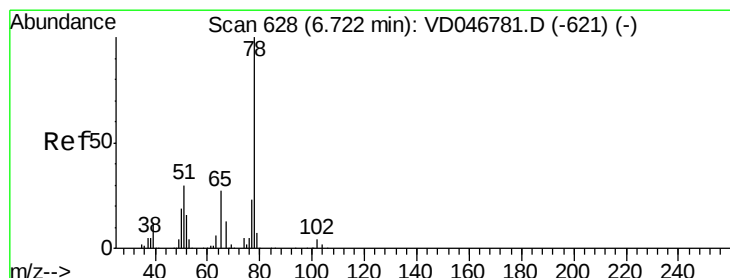
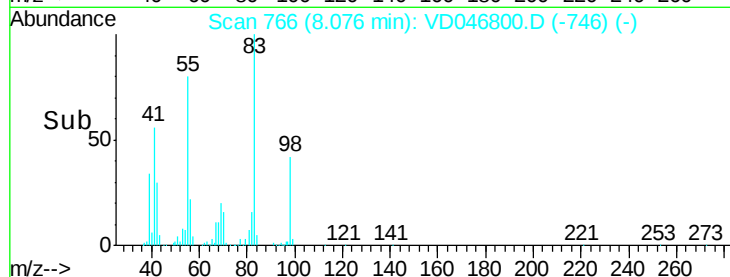
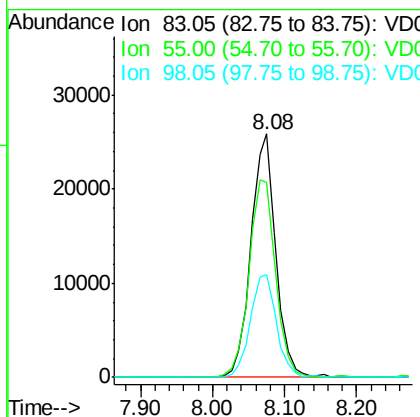
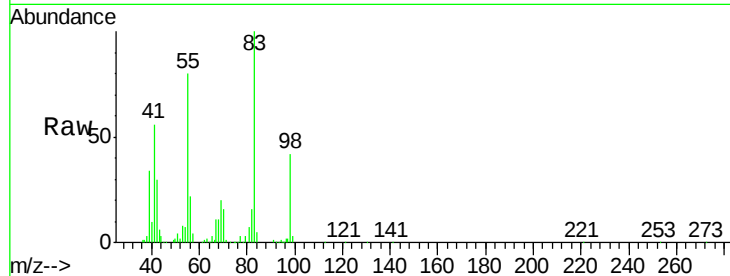
#39
Methvlcvclohexane
Concen: 22.61 ug/l
RT: 8.08 min Scan# 766
Delta R.T. -0.01 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.9	71.1	106.7
98	42.1	34.6	51.8

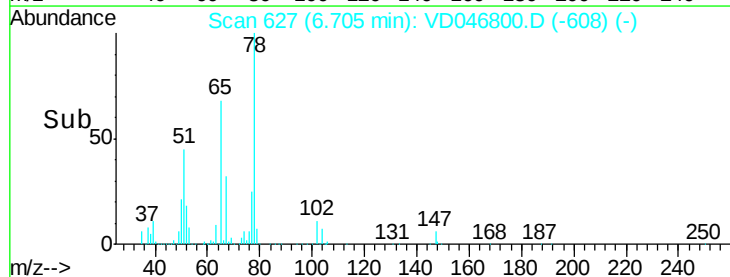
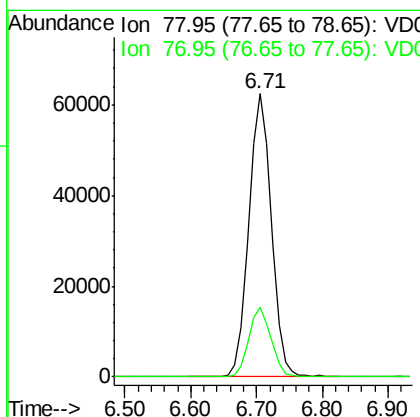
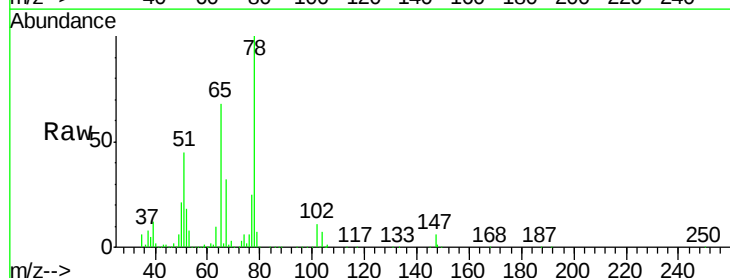
Manual Integrations
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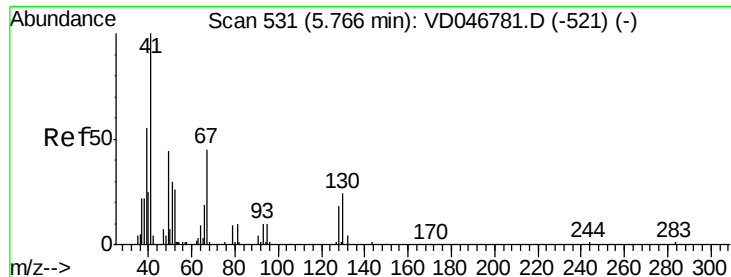
MMDadoda
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#40
Benzene
Concen: 21.70 ug/l
RT: 6.71 min Scan# 627
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.9	29.9





#41

Methacrylonitrile

Concen: 20.19 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

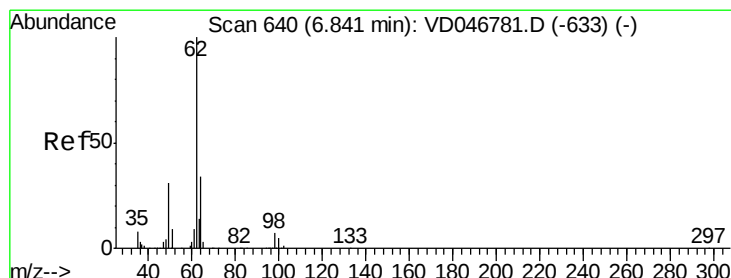
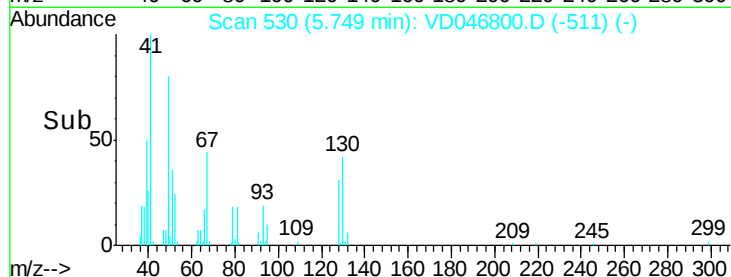
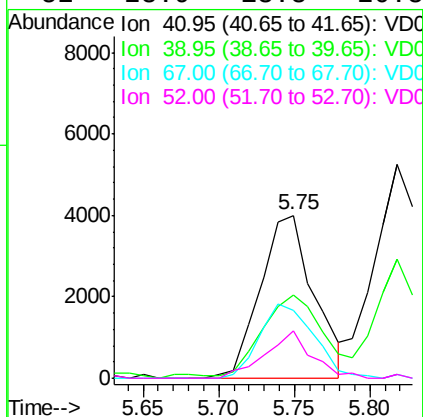
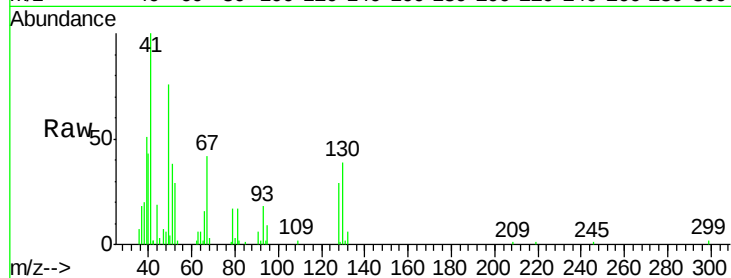
ClientSampleId :

VD0921SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.8	40.2	60.4
67	41.8	32.0	48.0
52	28.9	13.8	20.8

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 22.62 ug/l

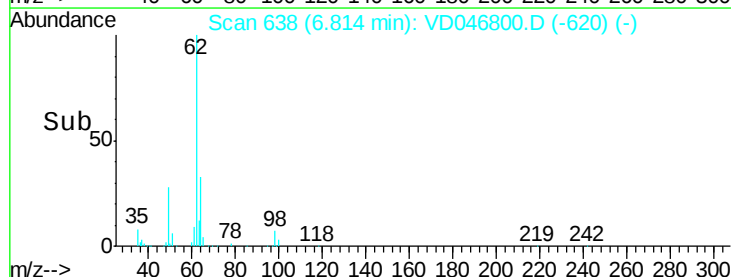
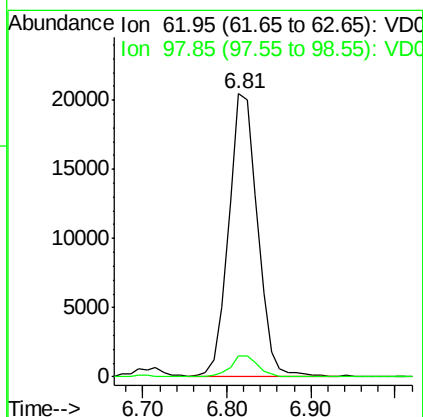
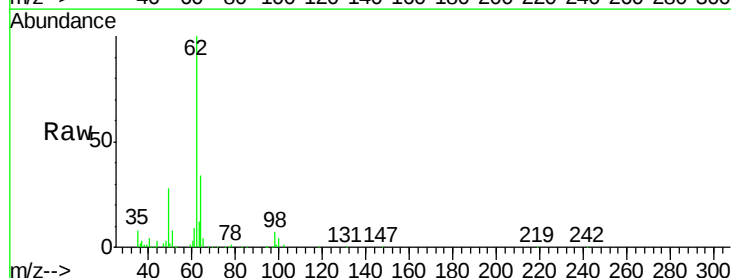
RT: 6.81 min Scan# 638

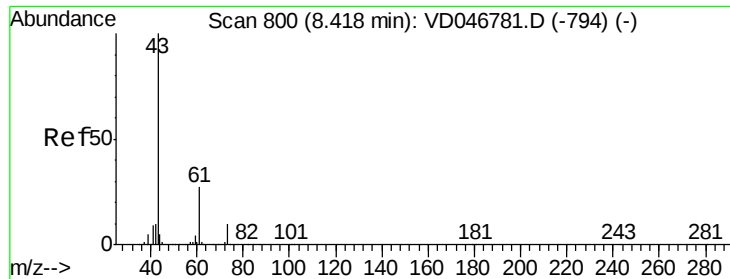
Delta R.T. -0.03 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	16.2





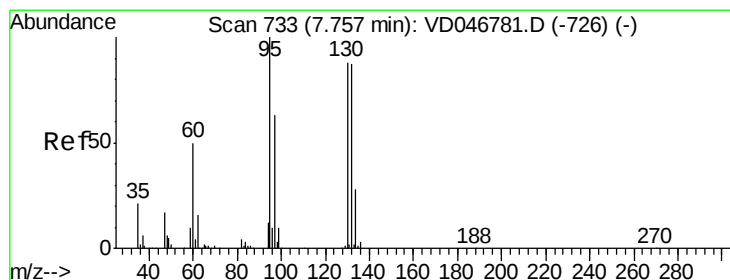
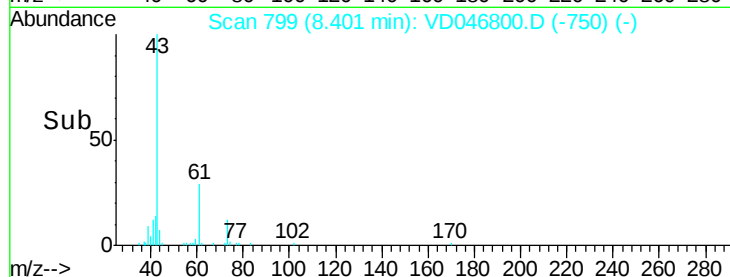
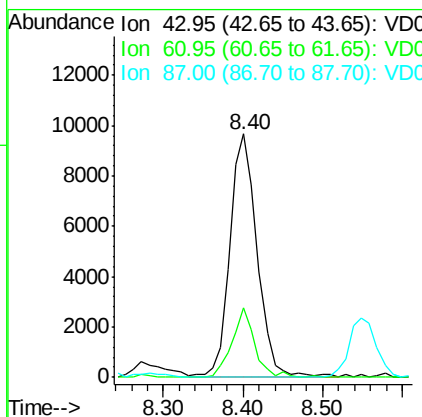
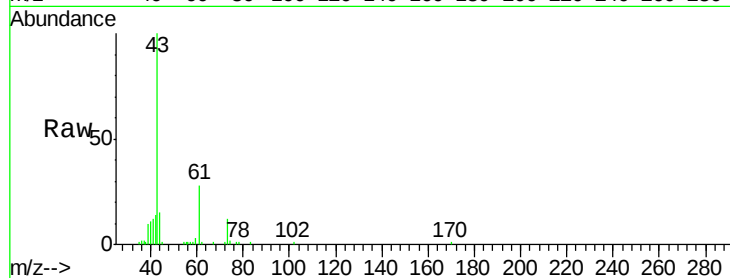
#43
Isopropyl Acetate
Concen: 20.09 ug/l
RT: 8.40 min Scan# 799
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.3	19.5	29.3
87	0.0	0.2	0.2

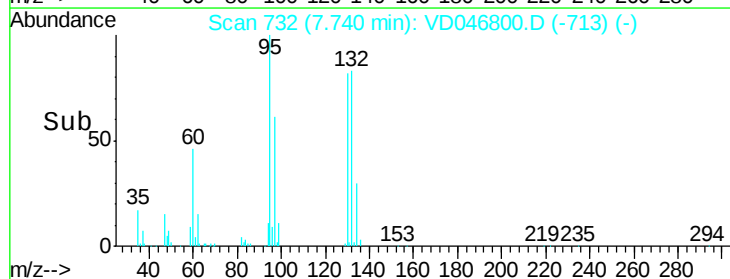
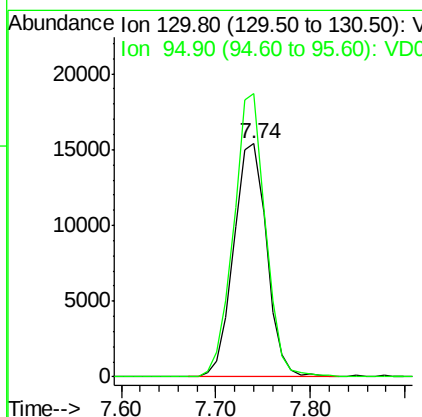
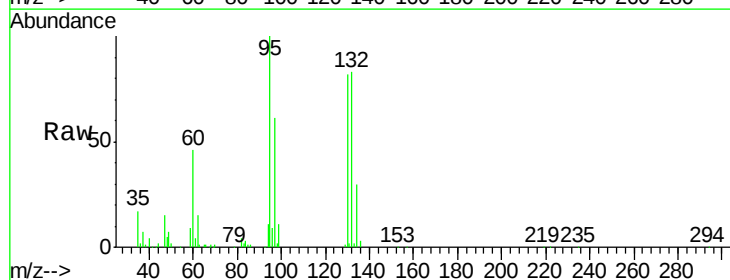
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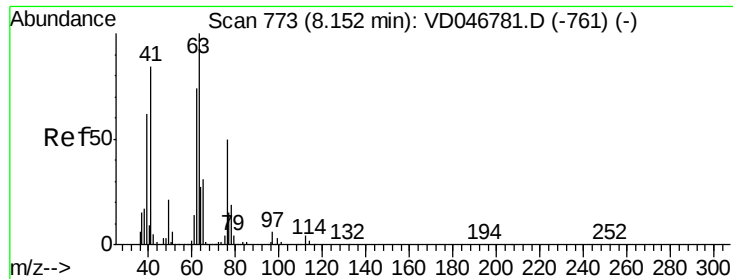
MMDadoda
9/22/2015 12:41:09 PM



#44
Trichloroethene
Concen: 21.41 ug/l
RT: 7.74 min Scan# 732
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	121.3	0.0	229.4





#45

1,2-Dichloropropane

Concen: 21.66 ug/l

RT: 8.13 min Scan# 772

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 63 Resp: 37351

Ion Ratio Lower Upper

63 100

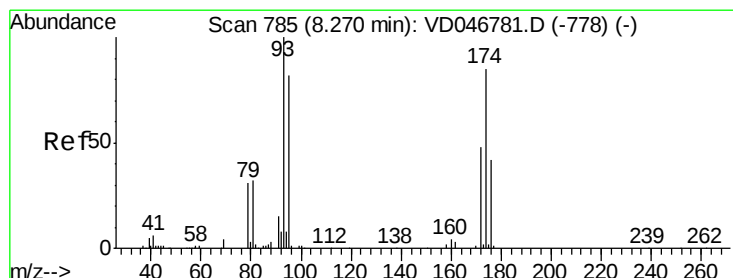
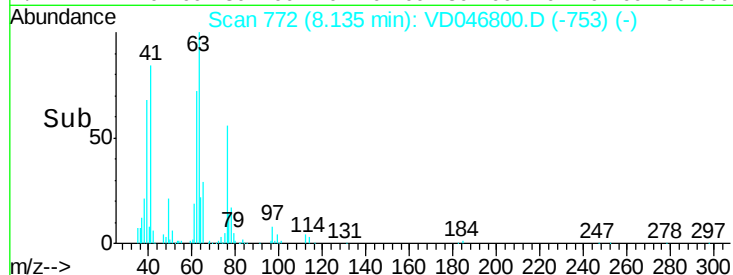
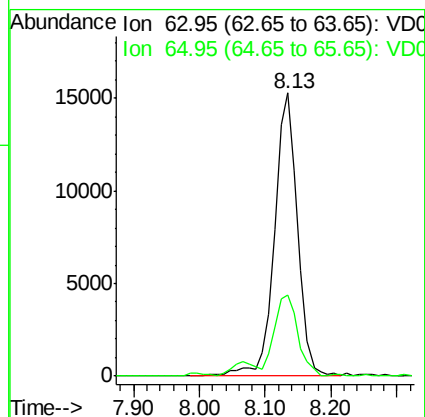
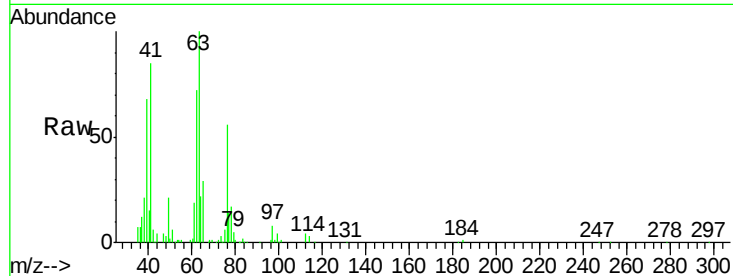
65 28.7 25.1 37.7

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#46

Dibromomethane

Concen: 21.12 ug/l

RT: 8.25 min Scan# 784

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

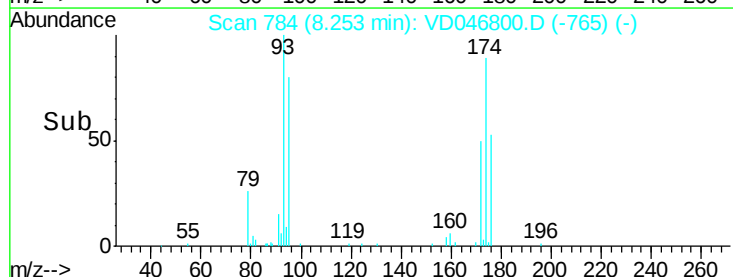
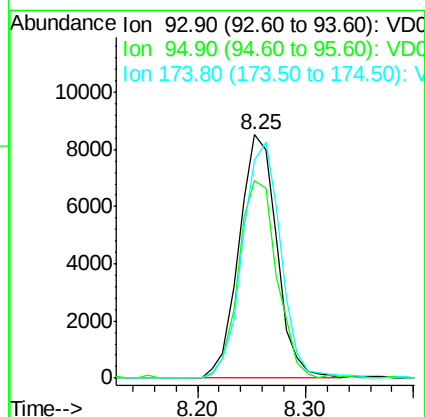
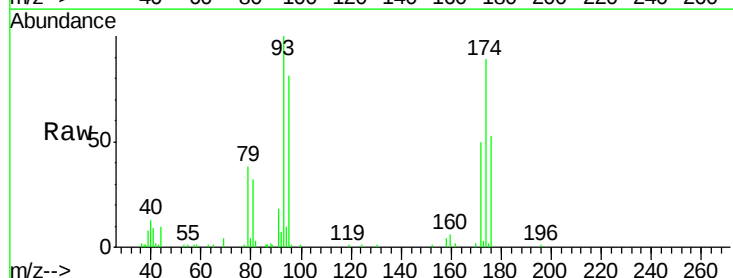
Tgt Ion: 93 Resp: 20686

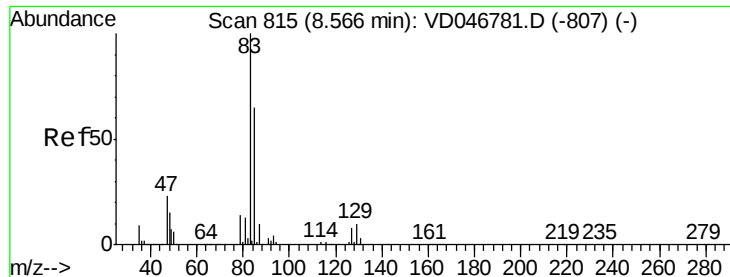
Ion Ratio Lower Upper

93 100

95 81.0 70.2 105.2

174 89.4 79.0 118.4





#47

Bromodichloromethane

Concen: 22.17 ug/l

RT: 8.55 min Scan# 814

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

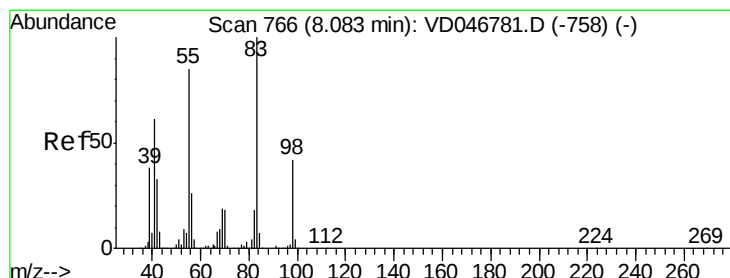
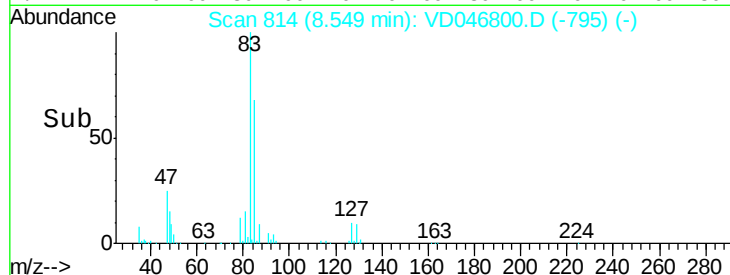
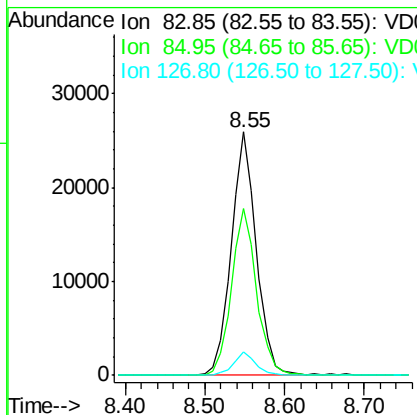
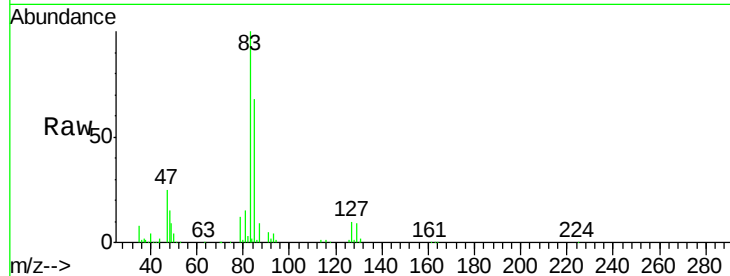
ClientSampleId :

VD0921SBS01

Tot Ion:	83	Resp:	56984
Ion Ratio	Lower	Upper	
83	100		
85	68.5	52.6	78.8
127	9.7	5.7	8.5#

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#48

Methyl methacrylate

Concen: 23.41 ug/l

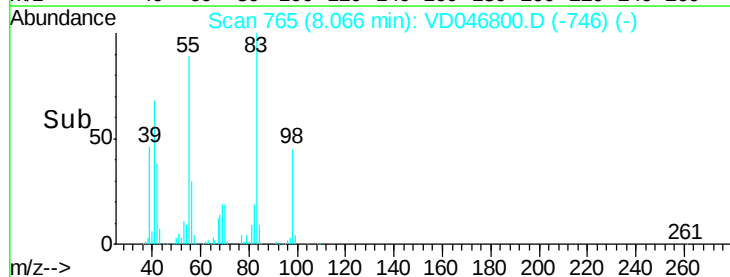
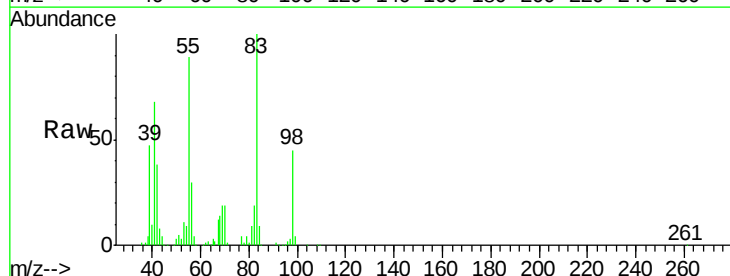
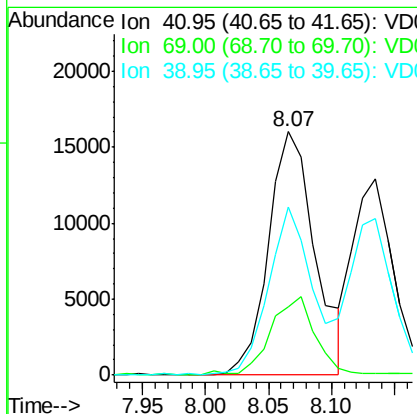
RT: 8.07 min Scan# 765

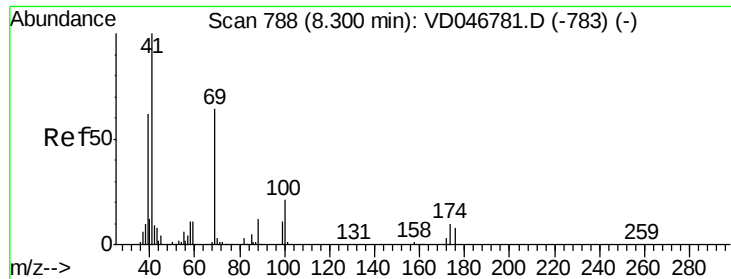
Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Tgt Ion:	41	Resp:	41326
Ion Ratio	Lower	Upper	
41	100		
69	28.2	25.3	37.9
39	68.9	47.4	71.0





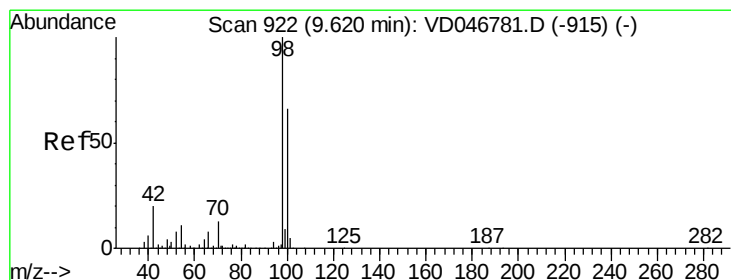
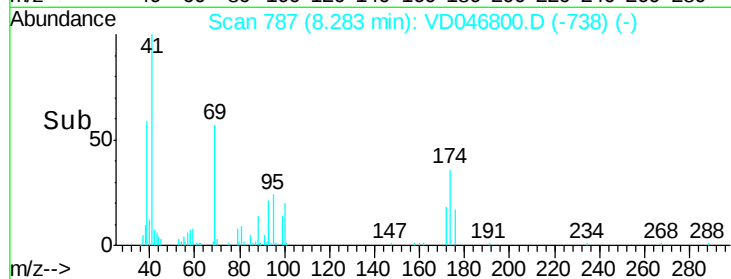
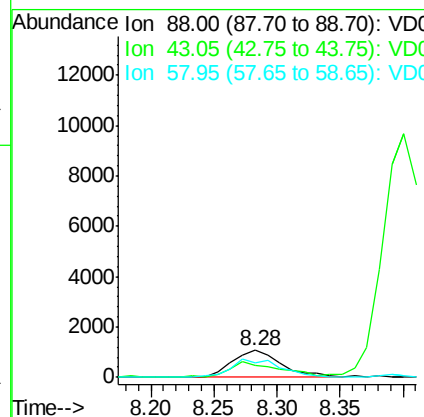
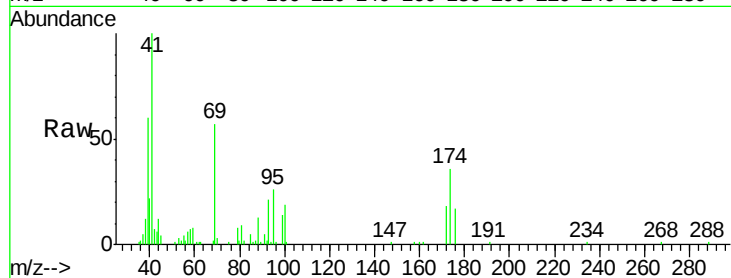
#49
1,4-Dioxane
Concen: 435.03 ug/l
RT: 8.28 min Scan# 787
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	88	Resp	2841
Ion	Ratio	Lower	Upper
88	100		
43	44.3	50.0	75.0#
58	53.7	48.3	72.5

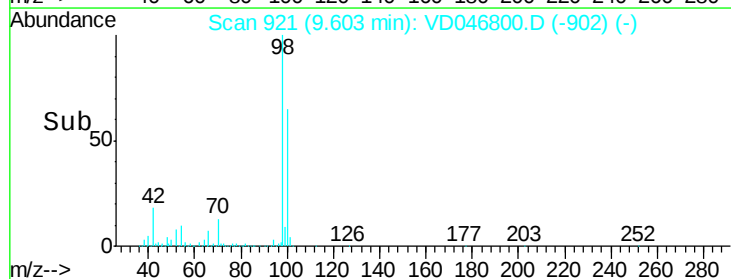
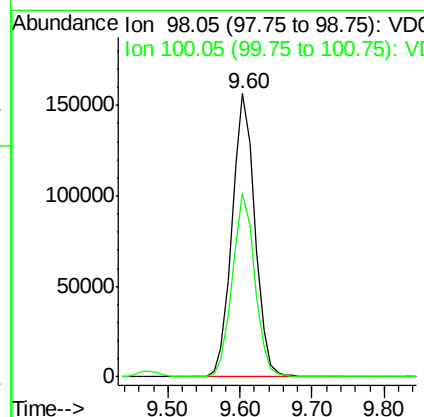
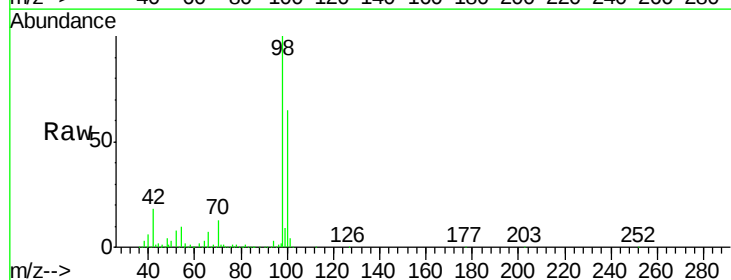
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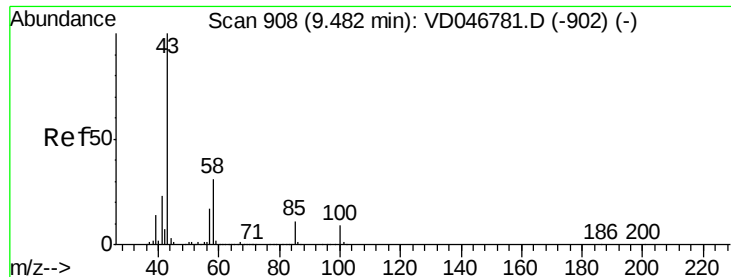
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#50
Toluene-d8
Concen: 435.03 ug/l
RT: 9.60 min Scan# 921
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Tgt Ion	98	Resp	345917
Ion	Ratio	Lower	Upper
98	100		
100	64.8	49.9	74.9





#51

4-Methyl-2-Pentanone

Concen: 104.74 ug/l

RT: 9.48 min Scan# 908

Delta R.T. -0.01 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 43 Resp: 87388

Ion Ratio Lower Upper

43 100

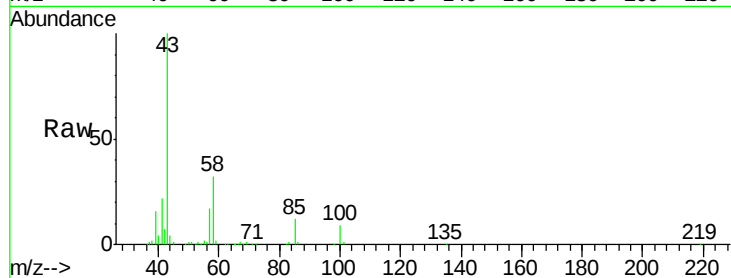
58 32.0 22.2 33.2

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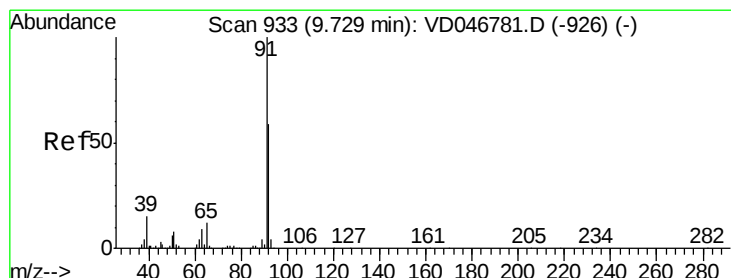
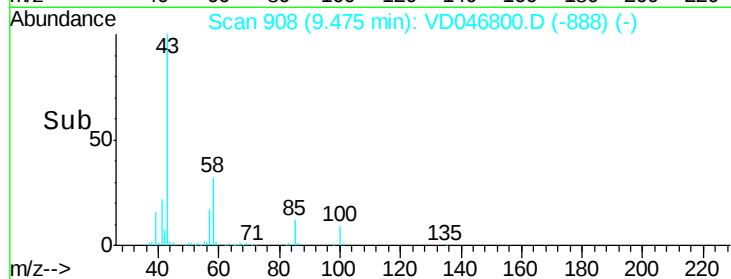
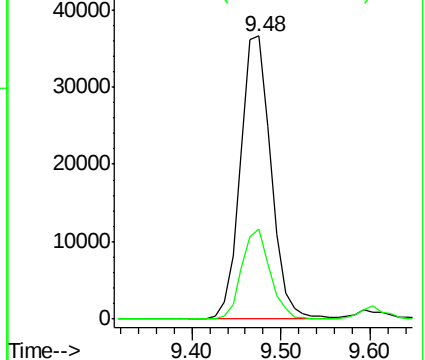
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.47 ug/l

RT: 9.71 min Scan# 932

Delta R.T. -0.02 min

Lab File: VD046800.D

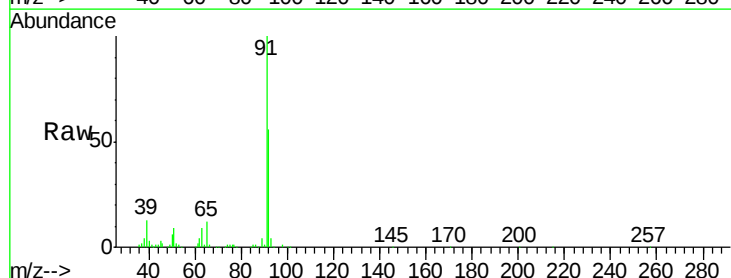
Acq: 21 Sep 2015 12:08

Tgt Ion: 92 Resp: 96486

Ion Ratio Lower Upper

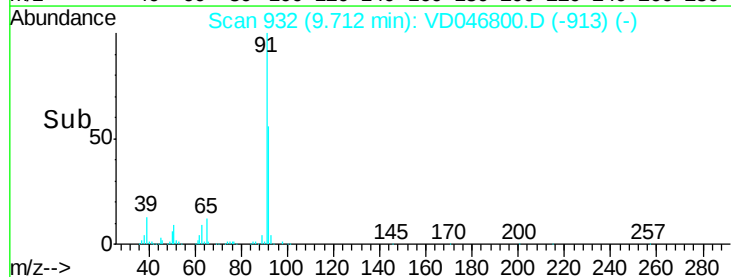
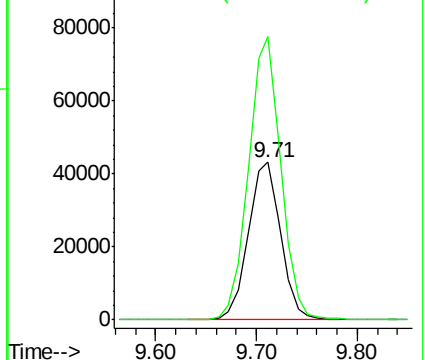
92 100

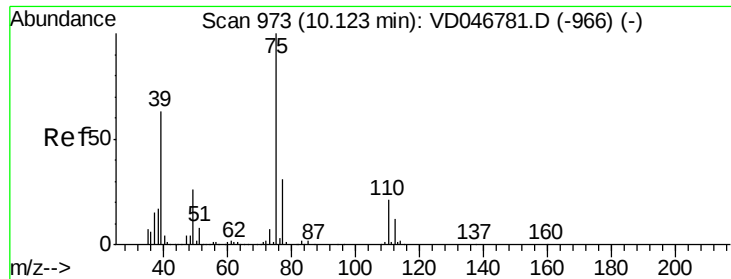
91 179.3 139.4 209.0



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: 21.42 ug/l

RT: 10.11 min Scan# 972

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 75 Resp: 40653

Ion Ratio Lower Upper

75 100

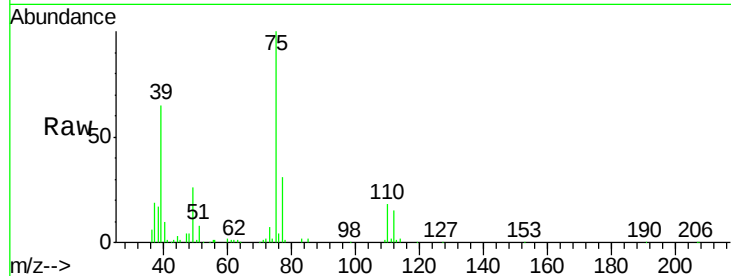
77 31.3 27.6 41.4

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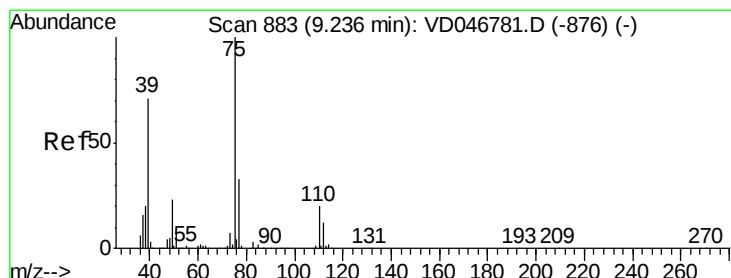
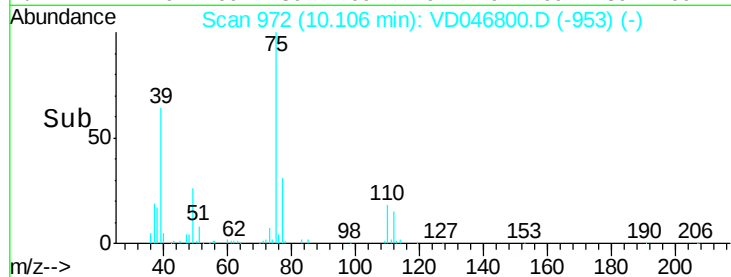
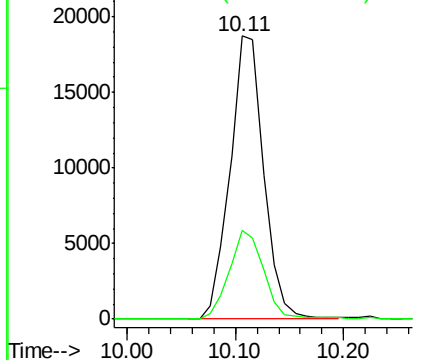
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.79 ug/l

RT: 9.22 min Scan# 882

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

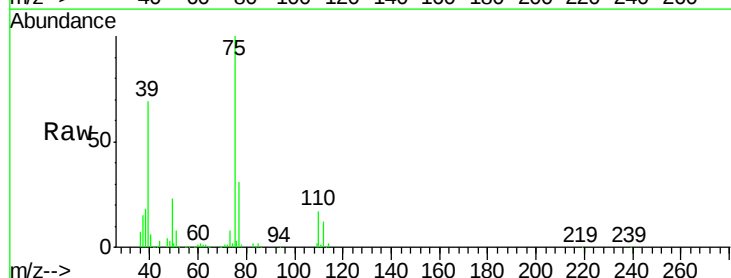
Tgt Ion: 75 Resp: 53263

Ion Ratio Lower Upper

75 100

77 31.1 23.8 35.6

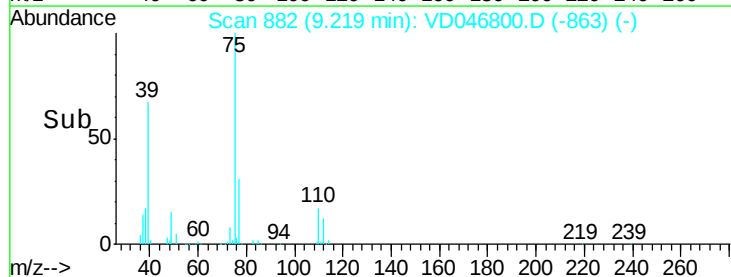
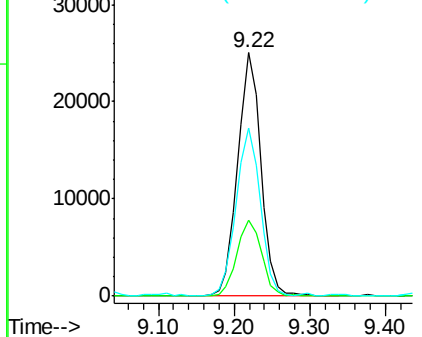
39 68.9 53.0 79.6

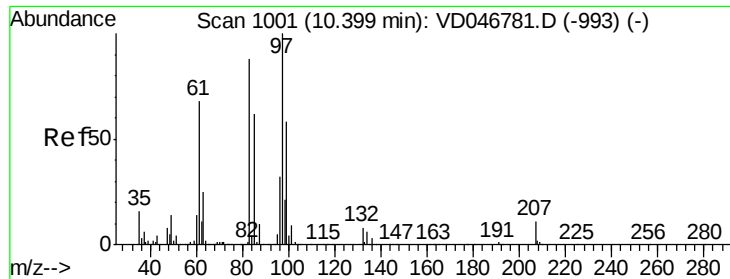


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 21.51 ug/l

RT: 10.39 min Scan# 1001

Delta R.T. -0.01 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

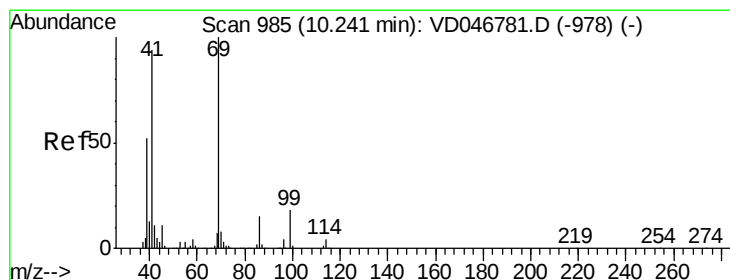
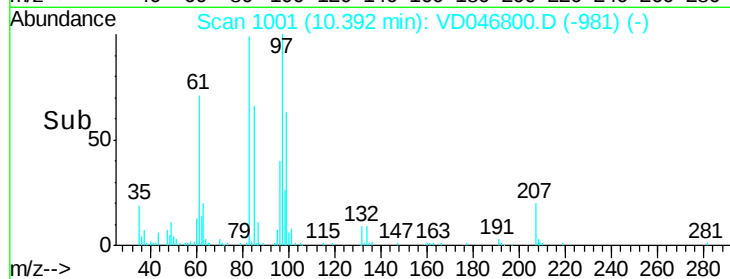
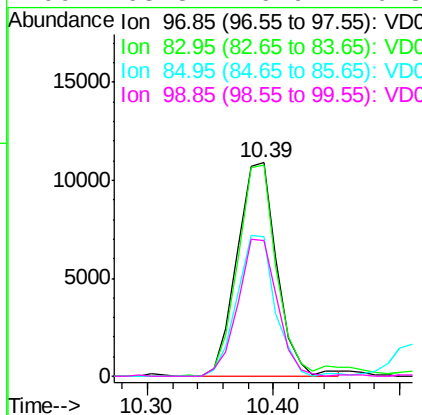
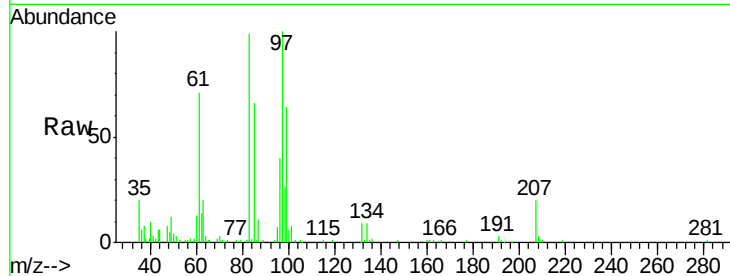
ClientSampleId :

VD0921SBS01

Tot Ion:	97	Resp:	23919
Ion	Ratio	Lower	Upper
97	100		
83	98.6	75.3	112.9
85	65.5	50.9	76.3
99	63.8	46.9	70.3

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#56

Ethyl methacrylate

Concen: 20.27 ug/l

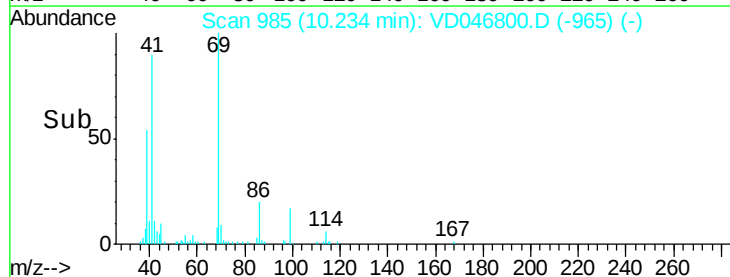
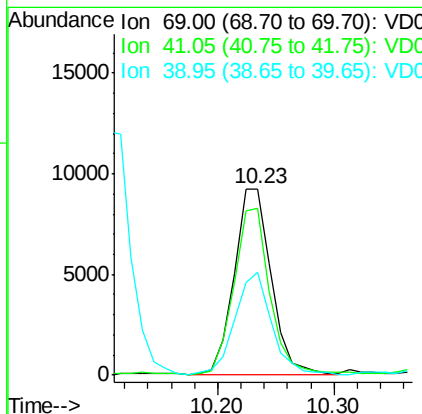
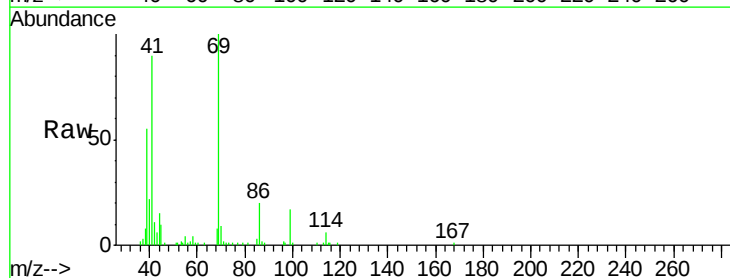
RT: 10.23 min Scan# 985

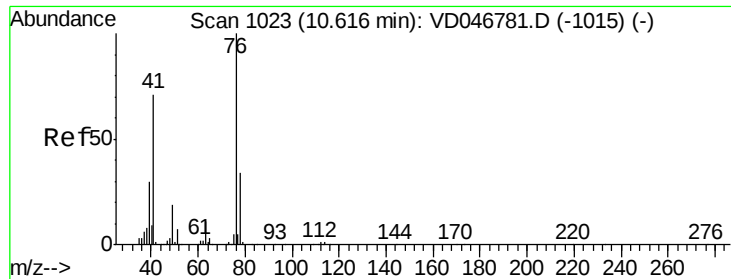
Delta R.T. -0.01 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Tgt Ion:	69	Resp:	20505
Ion	Ratio	Lower	Upper
69	100		
41	89.6	75.4	113.0
39	55.0	41.0	61.4





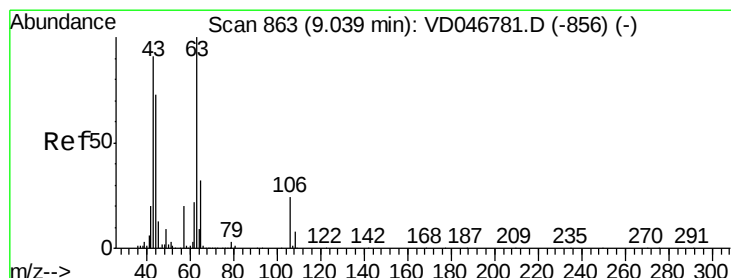
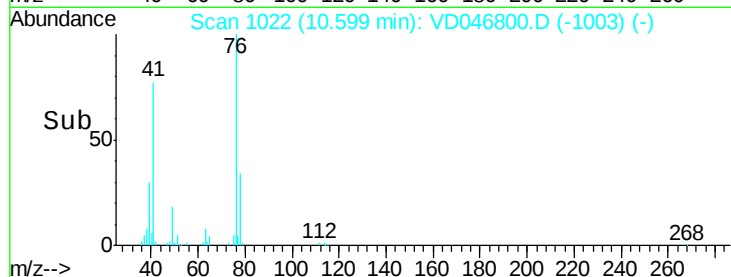
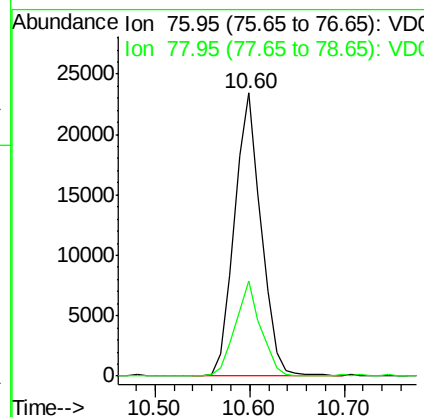
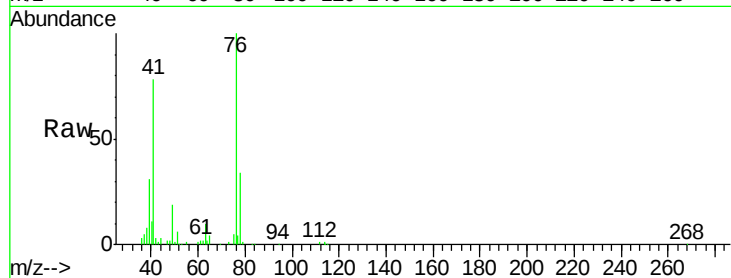
#57
 1,3-Dichloropropane
 Concen: 22.10 ug/l
 RT: 10.60 min Scan# 1022
 Delta R.T. -0.02 min
 Lab File: VD046800.D
 Acq: 21 Sep 2015 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.9	26.6	39.8

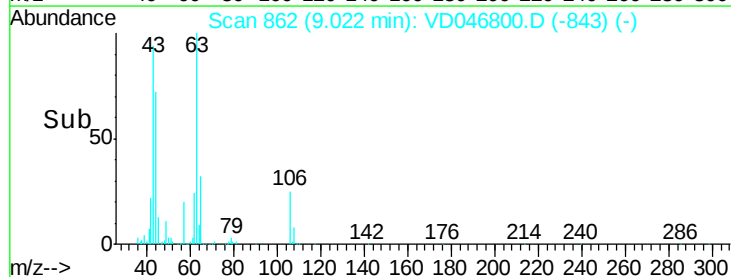
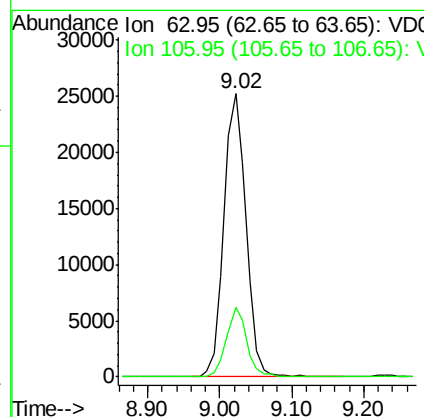
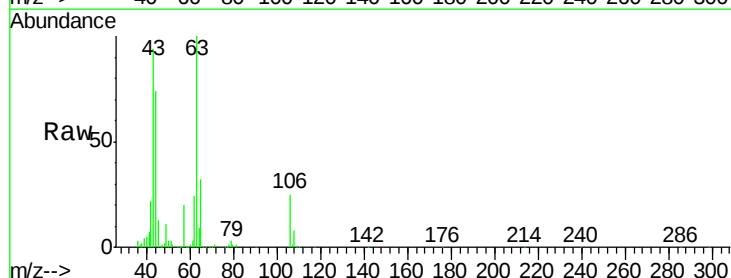
Manual Integrations
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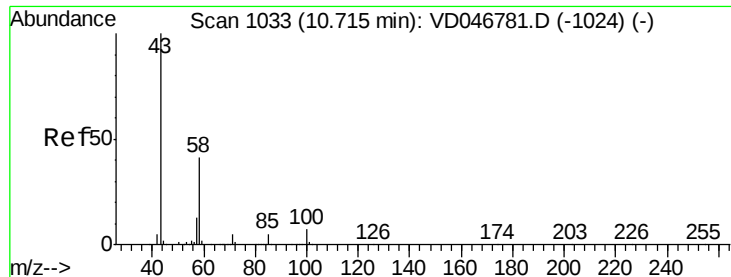
MMDadoda
 9/22/2015 12:41:09 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.59 ug/l
 RT: 9.02 min Scan# 862
 Delta R.T. -0.02 min
 Lab File: VD046800.D
 Acq: 21 Sep 2015 12:08

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.8	17.8	26.8





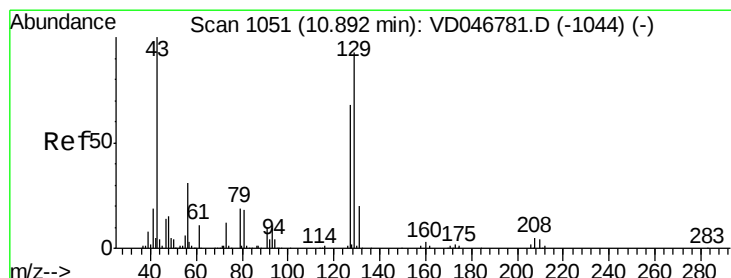
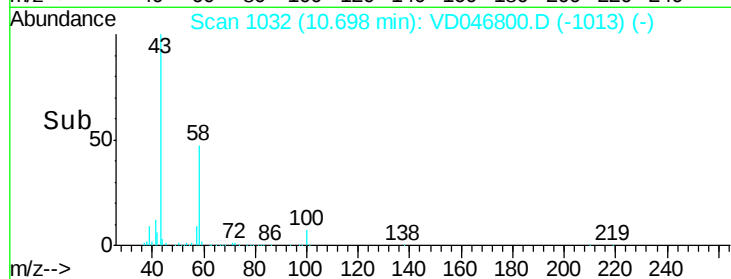
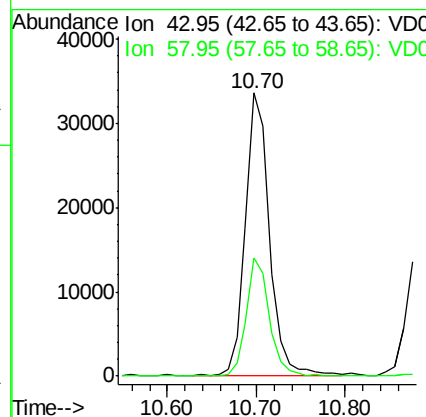
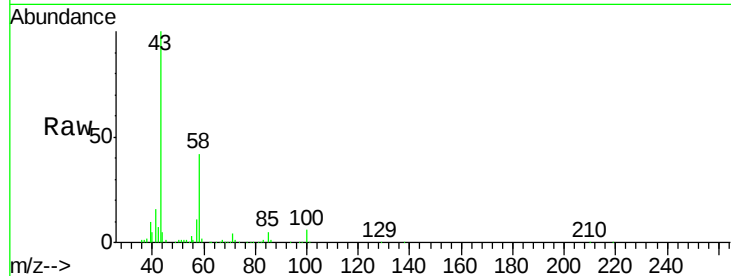
#59
2-Hexanone
Concen: 104.49 ug/l
RT: 10.70 min Scan# 1032
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.6	18.6	55.8

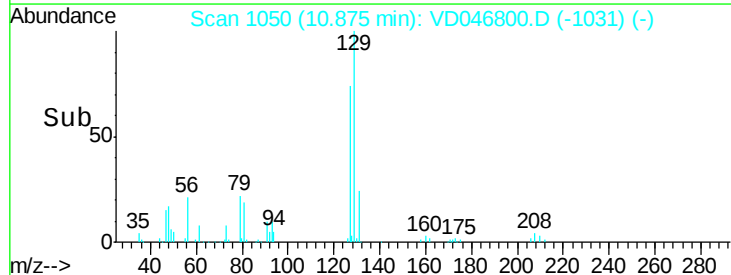
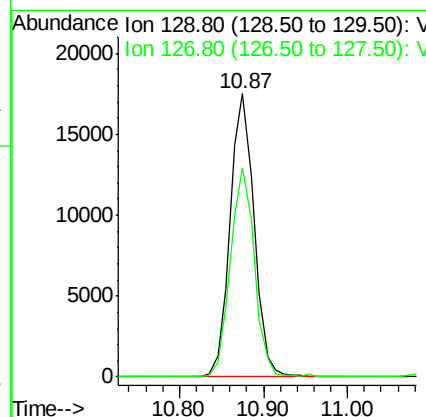
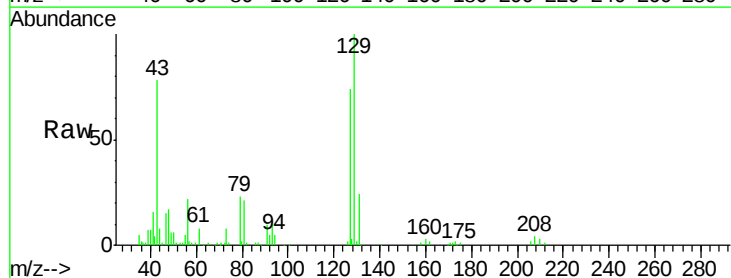
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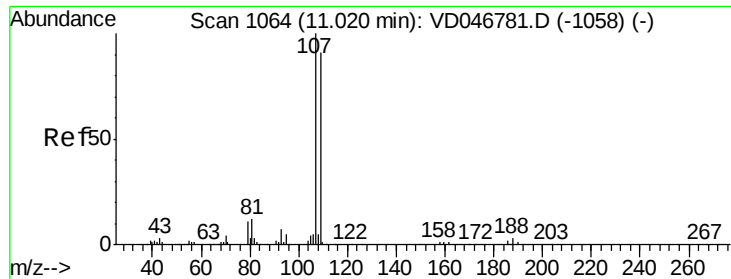
MMDadoda
9/22/2015 12:41:09 PM



#60
Dibromochloromethane
Concen: 22.70 ug/l
RT: 10.87 min Scan# 1050
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.9	38.2	114.6





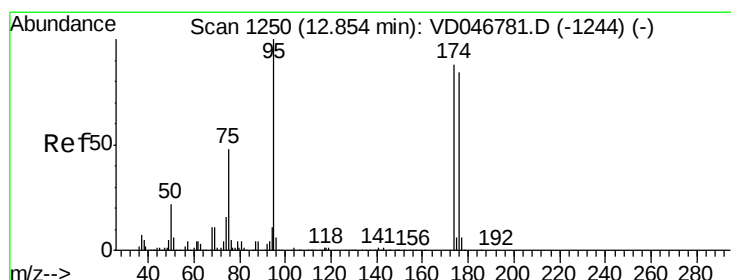
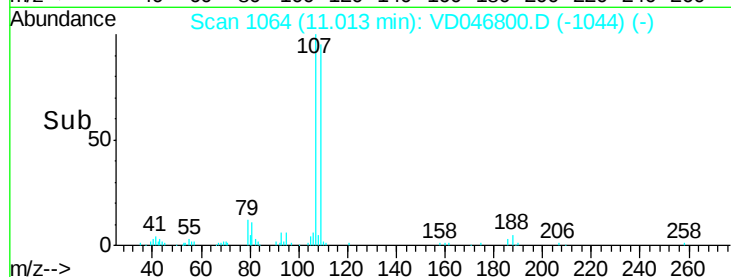
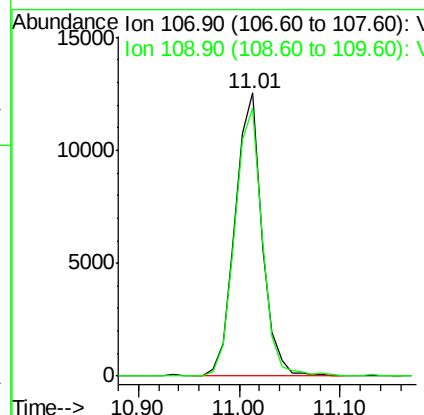
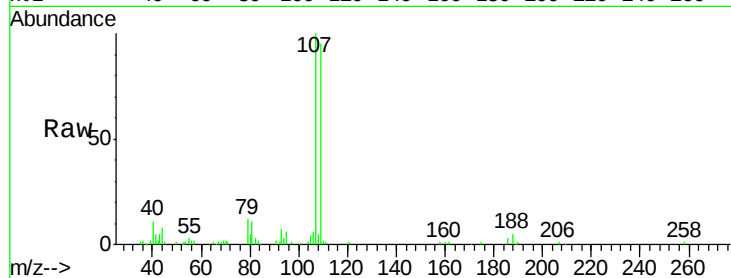
#61
 1,2-Dibromoethane
 Concen: 21.14 ug/l
 RT: 11.01 min Scan# 1064
 Delta R.T. -0.01 min
 Lab File: VD046800.D
 Acq: 21 Sep 2015 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion: 107 Resp: 23202
 Ion Ratio Lower Upper
 107 100
 109 94.7 71.4 107.0

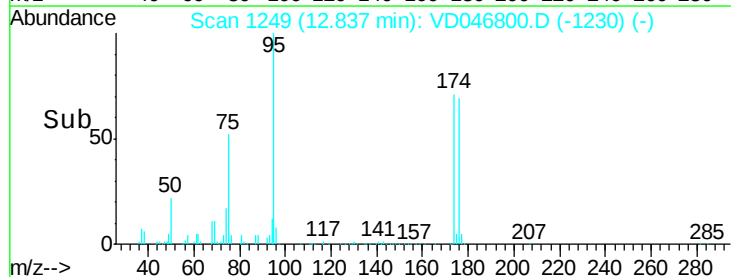
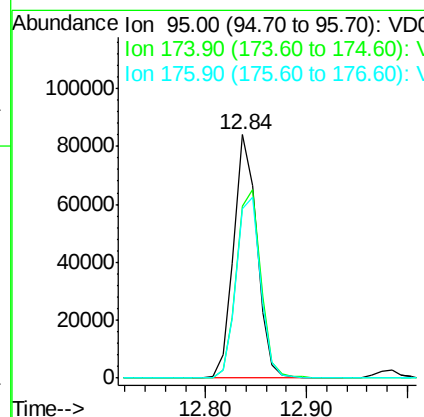
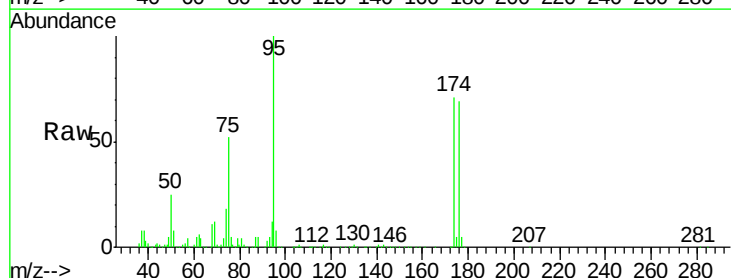
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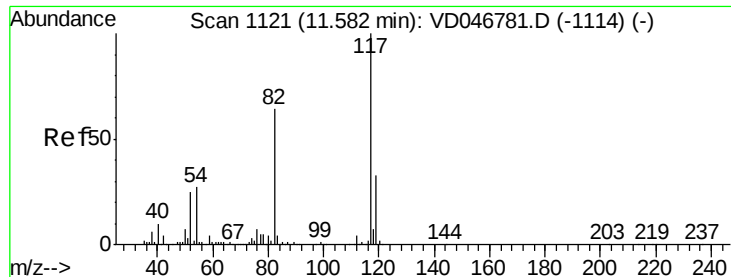
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 21.14 ug/l
 RT: 12.84 min Scan# 1249
 Delta R.T. -0.02 min
 Lab File: VD046800.D
 Acq: 21 Sep 2015 12:08

Tgt Ion: 95 Resp: 135219
 Ion Ratio Lower Upper
 95 100
 174 70.7 0.0 149.8
 176 69.4 0.0 143.4





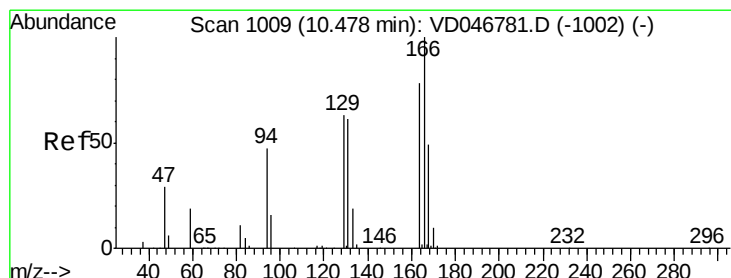
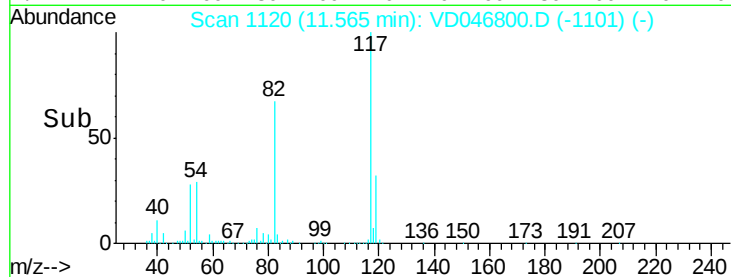
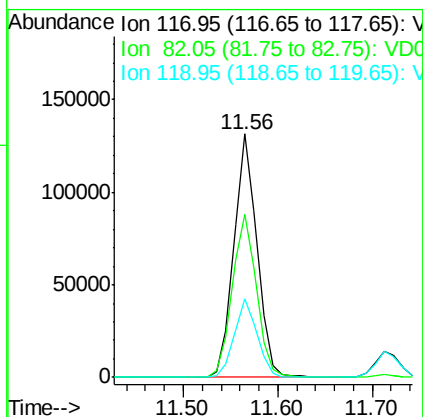
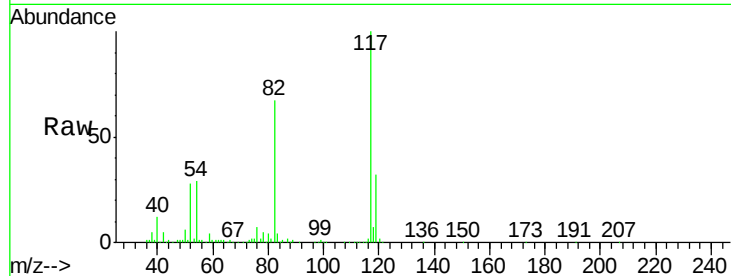
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.56 min Scan# 1120
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	223029		
82	66.7	50.6	75.8	
119	32.1	25.8	38.8	

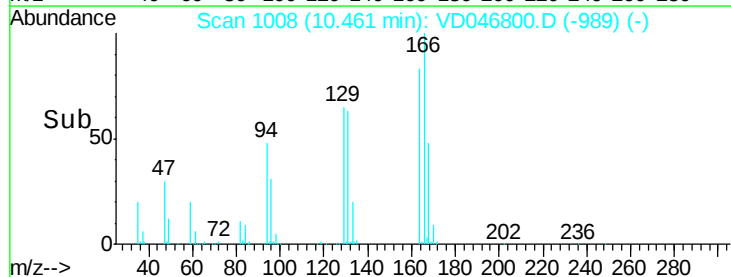
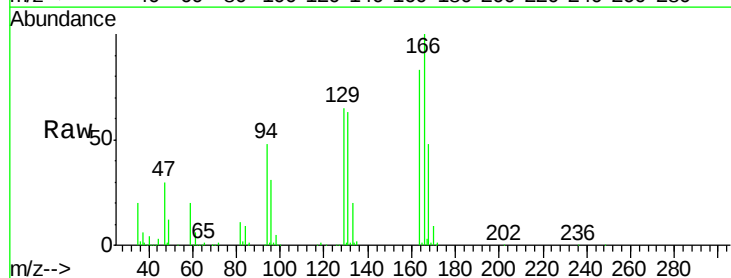
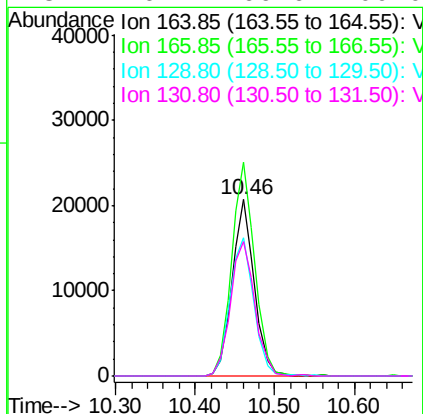
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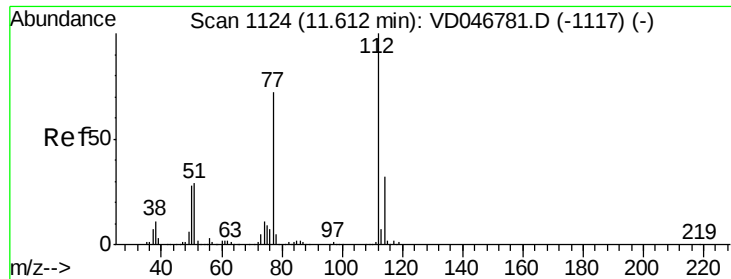
MMDadoda
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#64
Tetrachloroethene
Concen: 22.44 ug/l
RT: 10.46 min Scan# 1008
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	40412		
166	121.2	106.8	160.2	
129	78.4	70.6	106.0	
131	76.1	66.6	100.0	





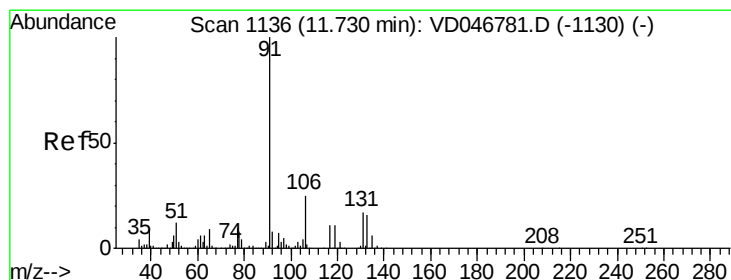
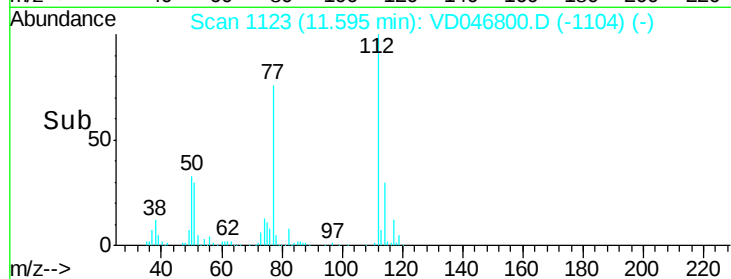
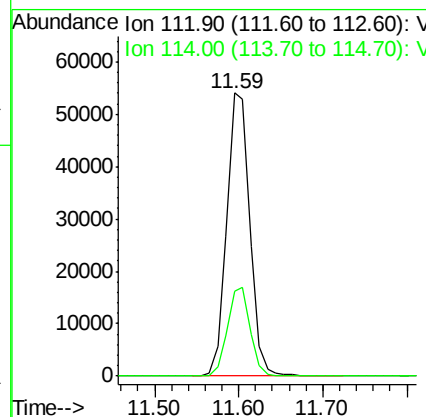
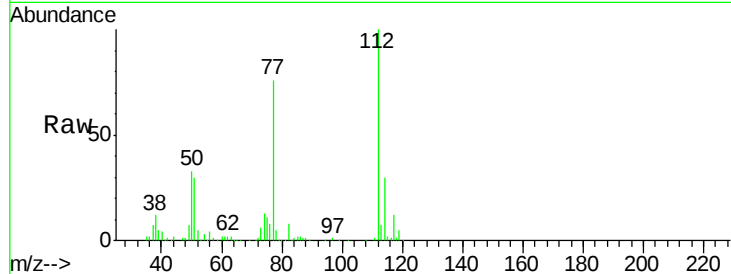
#65
Chlorobenzene
Concen: 21.81 ug/l
RT: 11.59 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.1	25.3	37.9

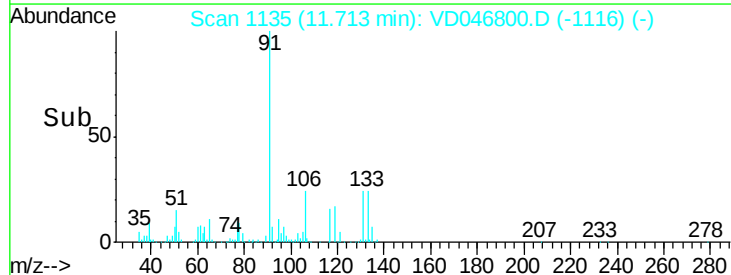
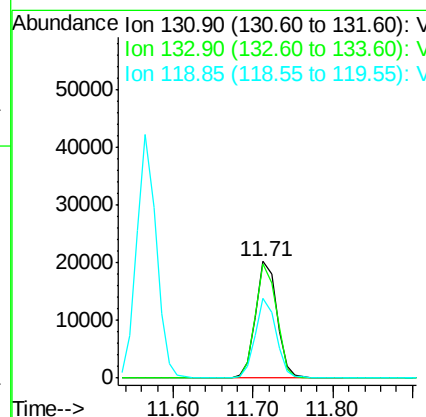
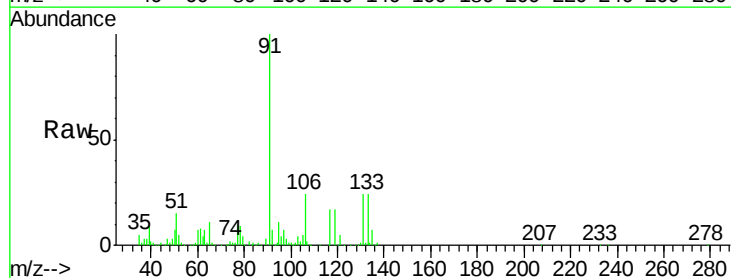
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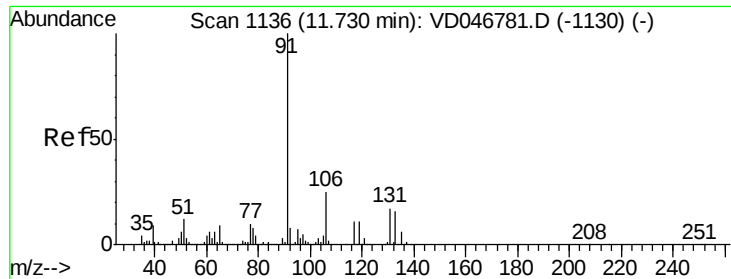
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.84 ug/l
RT: 11.71 min Scan# 1135
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.3	48.4	145.0
119	68.4	31.5	94.5





#67

Ethyl Benzene

Concen: 22.20 ug/l

RT: 11.72 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 91 Resp: 209396

Ion Ratio Lower Upper

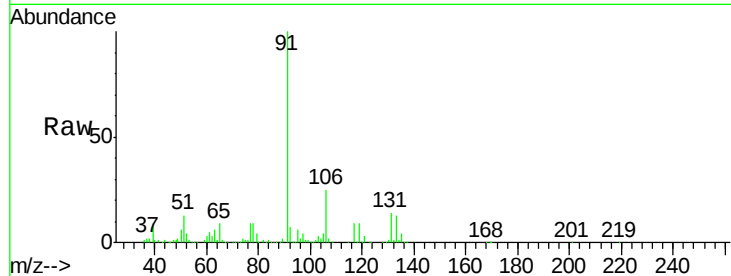
91 100

106 25.1 20.2 30.2

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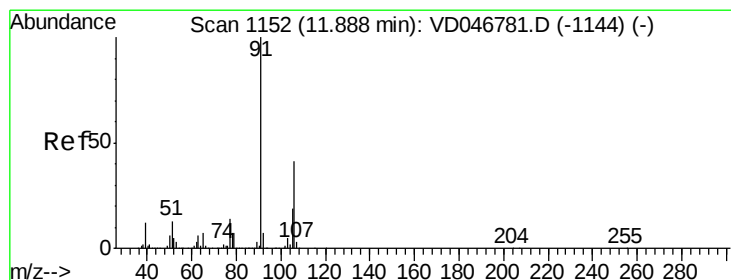
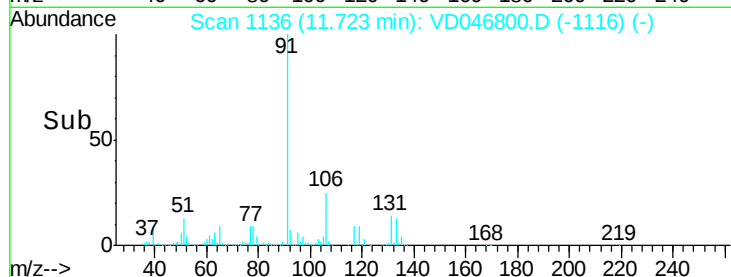
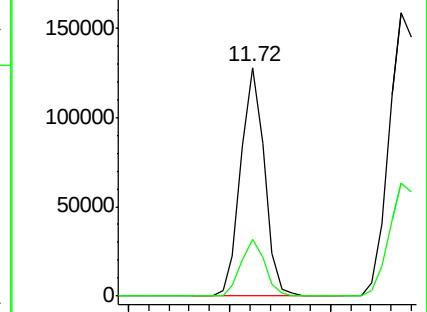
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 45.93 ug/l

RT: 11.87 min Scan# 1151

Delta R.T. -0.02 min

Lab File: VD046800.D

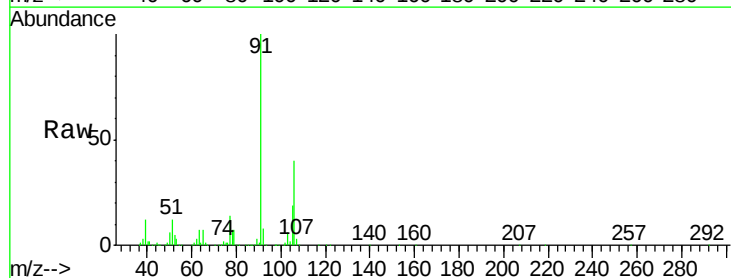
Acq: 21 Sep 2015 12:08

Tgt Ion: 106 Resp: 136623

Ion Ratio Lower Upper

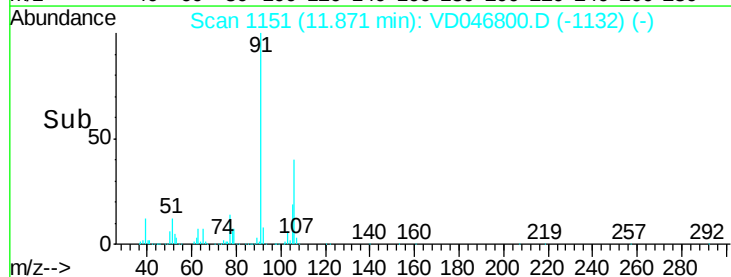
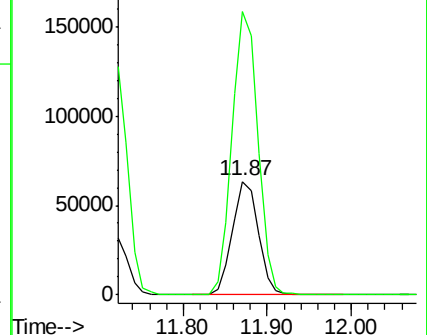
106 100

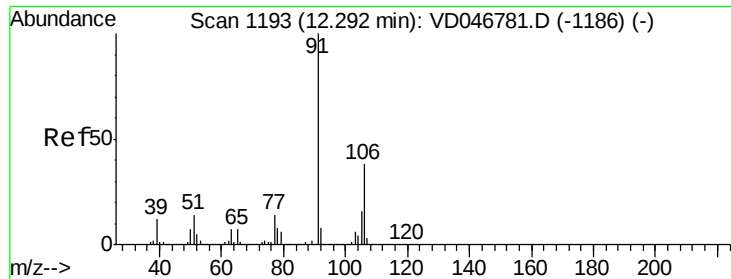
91 250.1 187.9 281.9



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V





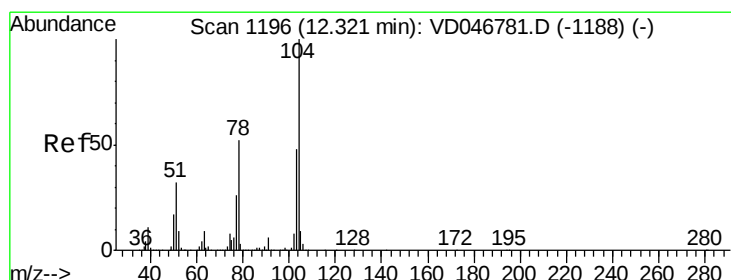
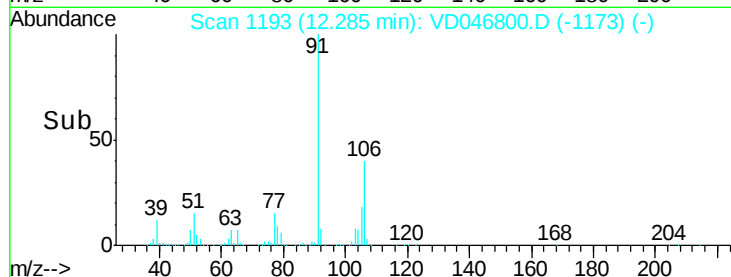
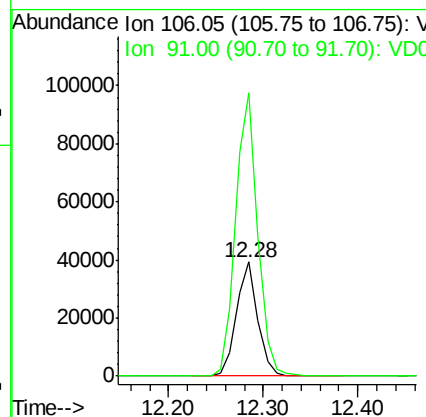
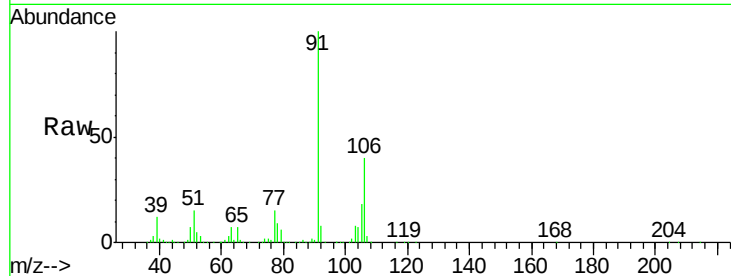
#69
o-Xylene
Concen: 22.94 ug/l
RT: 12.28 min Scan# 1193
Delta R.T. -0.01 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Instrument :
MSVOA_D
ClientSampleID :
VD0921SBS01

Tot Ion:106 Resp: 61432
Ion Ratio Lower Upper
106 100
91 248.2 124.8 374.5

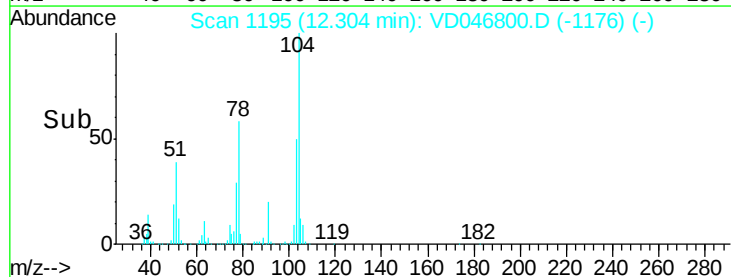
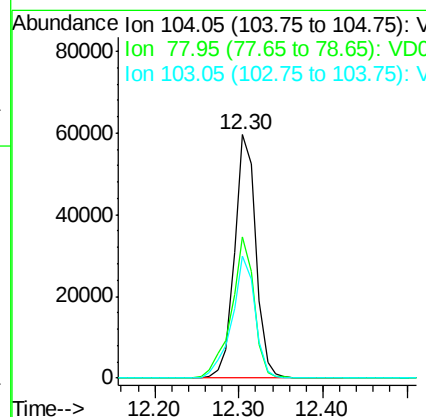
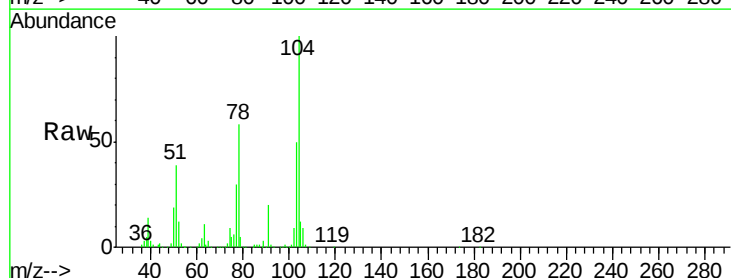
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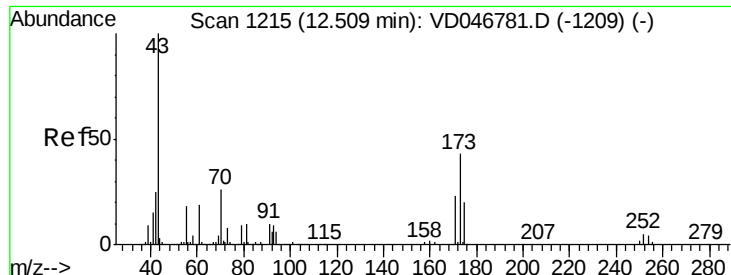
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#70
Styrene
Concen: 22.57 ug/l
RT: 12.30 min Scan# 1195
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Tgt Ion:104 Resp: 104772
Ion Ratio Lower Upper
104 100
78 58.0 44.5 66.7
103 50.2 40.3 60.5





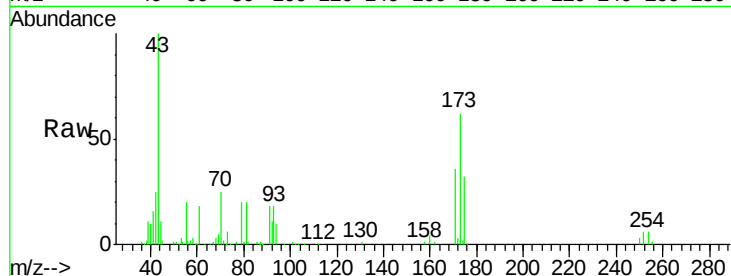
#71
Bromoform
Concen: 20.41 ug/l
RT: 12.49 min Scan# 1214
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

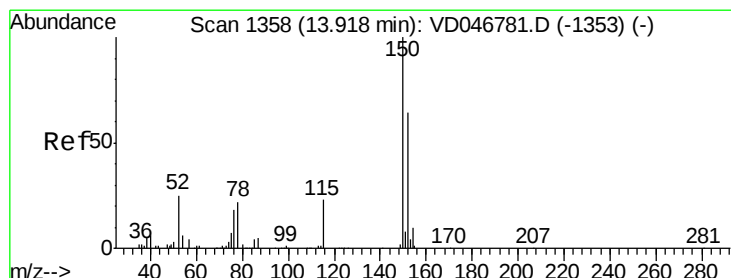
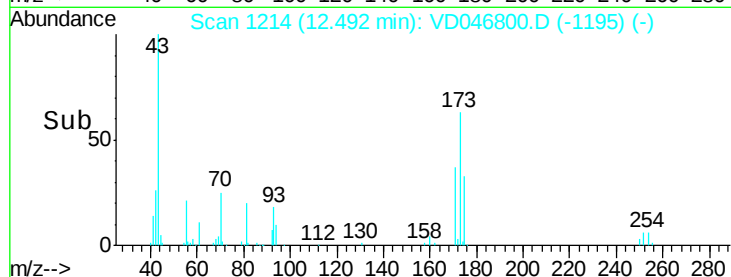
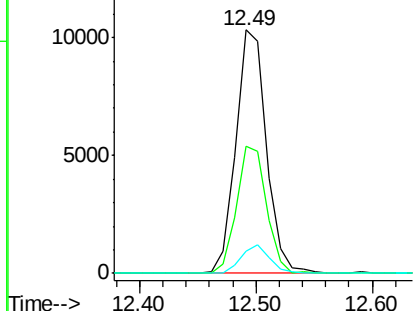
Tot Ion	Ratio	Lower	Upper
173	100		
175	52.0	23.1	69.3
254	9.1	8.7	13.1

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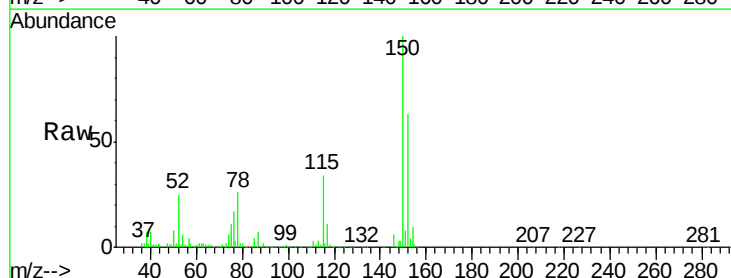


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

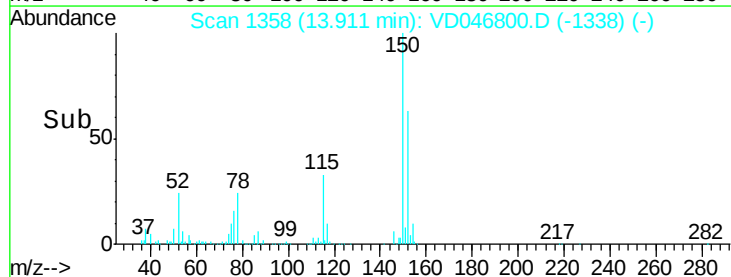
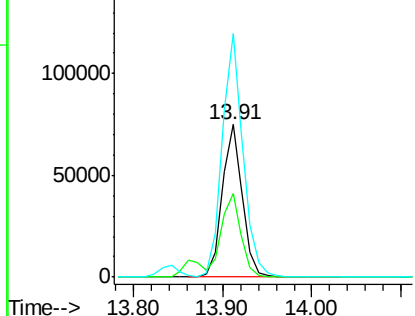


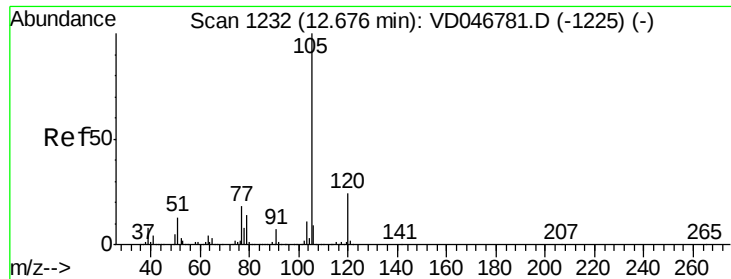
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.91 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	26.2	78.6
150	159.7	0.0	311.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





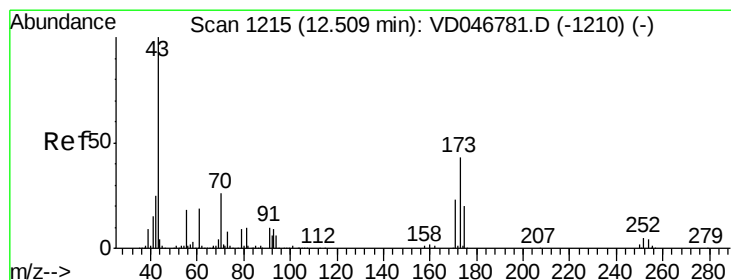
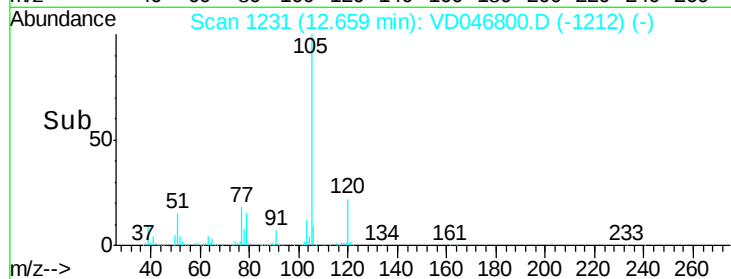
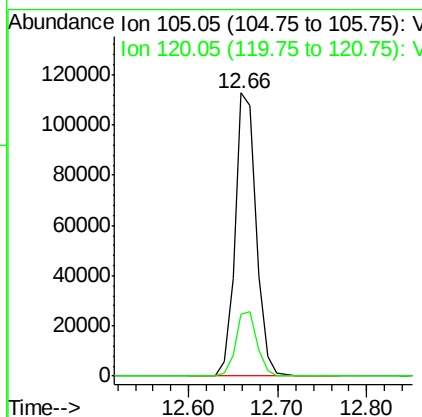
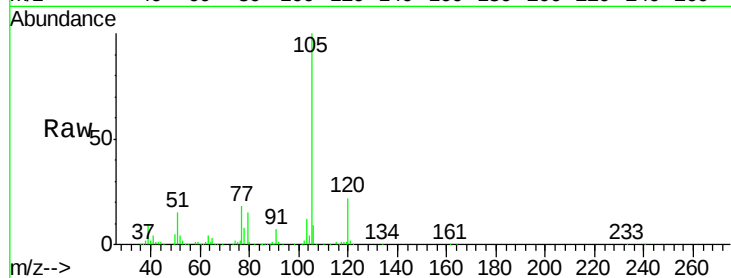
#73
Isopropylbenzene
Concen: 22.26 ug/l
RT: 12.66 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	22.0	12.4	37.4

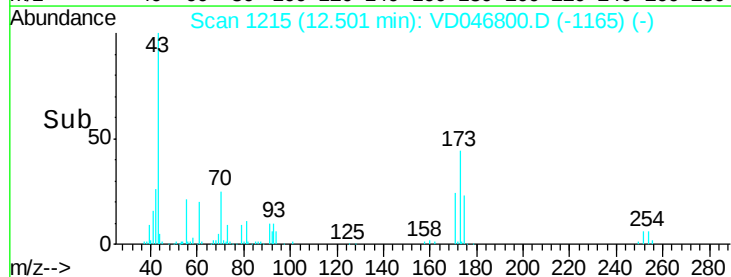
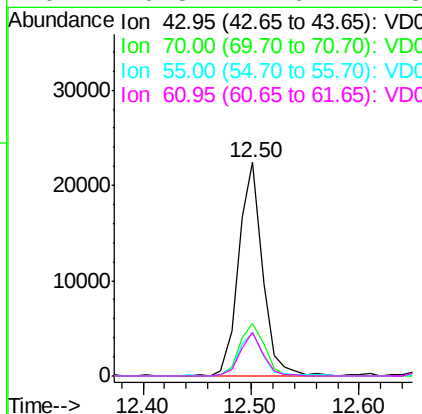
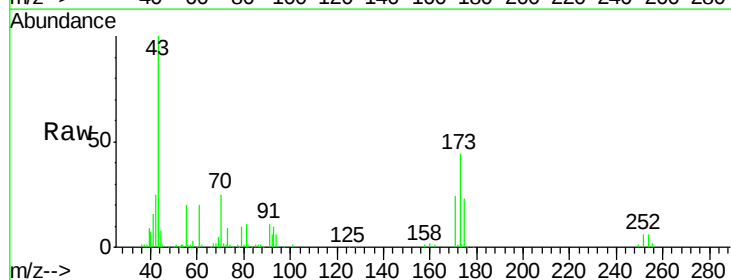
Manual Integrations
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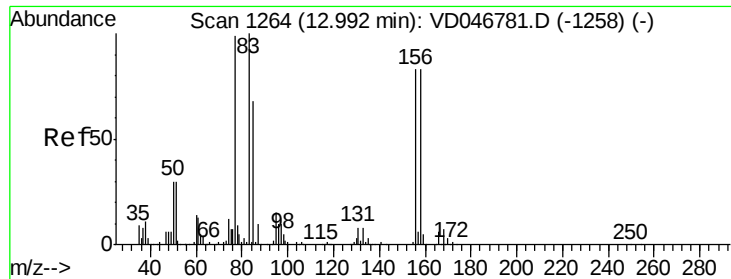
MMDadoda
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#74
N-ethyl acetate
Concen: 19.46 ug/l
RT: 12.50 min Scan# 1215
Delta R.T. -0.01 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Tgt Ion	Ratio	Lower	Upper
43	100		
70	24.9	22.1	33.1
55	20.5	14.5	21.7
61	20.3	14.6	21.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.37 ug/l

RT: 12.98 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

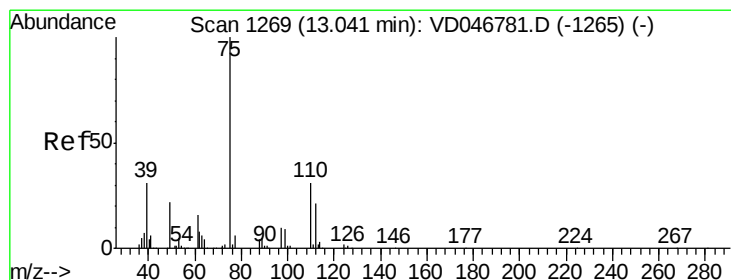
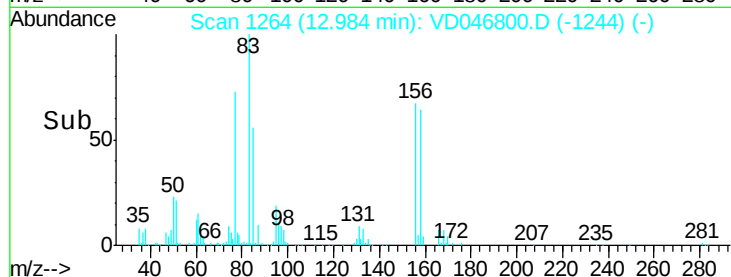
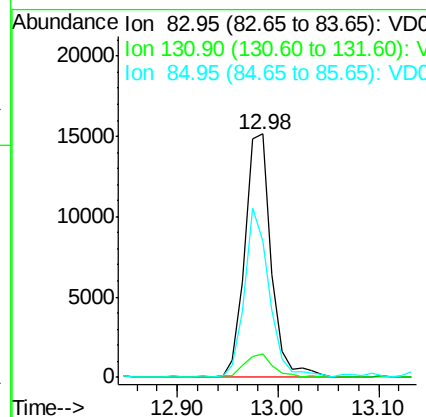
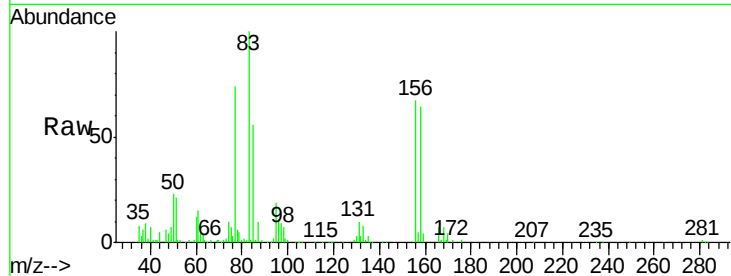
ClientSampleId :

VD0921SBS01

Tot Ion:	83	Resp:	27636
Ion Ratio	Lower	Upper	
83	100		
131	9.6	3.9	11.7
85	55.9	30.5	91.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.00 ug/l

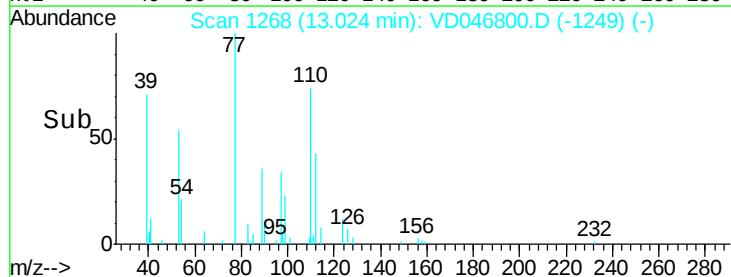
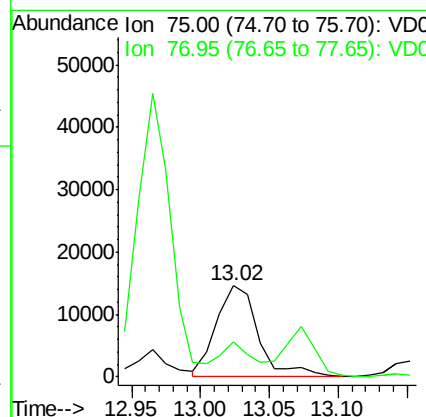
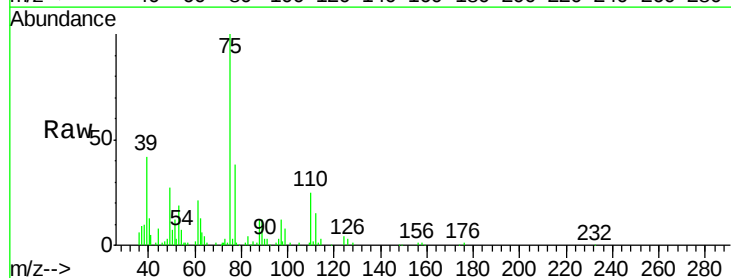
RT: 13.02 min Scan# 1268

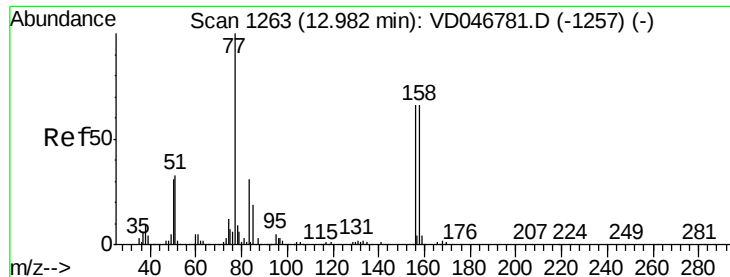
Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Tgt Ion:	75	Resp:	30479
Ion Ratio	Lower	Upper	
75	100		
77	38.2	16.0	48.0





#77

Bromobenzene

Concen: 21.59 ug/l

RT: 12.96 min Scan# 1262

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion:156 Resp: 45645

Ion Ratio Lower Upper

156 100

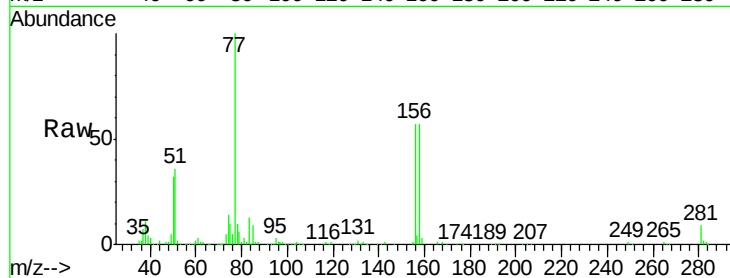
77 175.3 70.3 210.8

158 100.7 49.0 147.0

Manual Integrations
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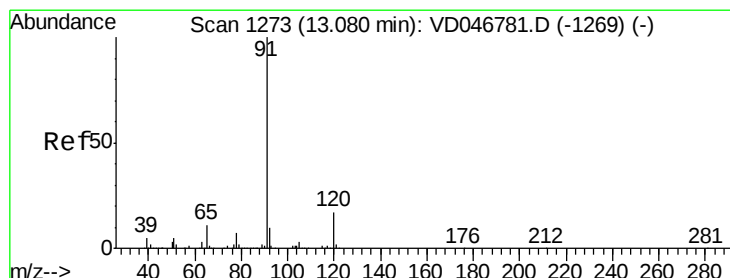
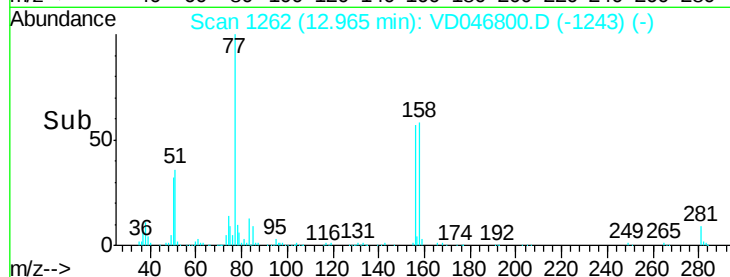
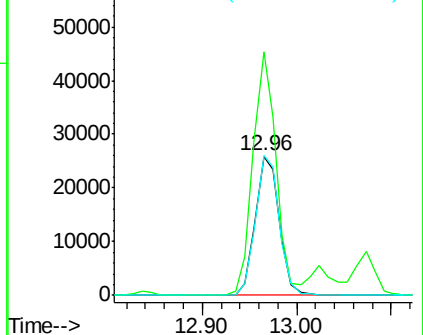
9/22/2015 12:41:09 PM



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 23.11 ug/l

RT: 13.07 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VD046800.D

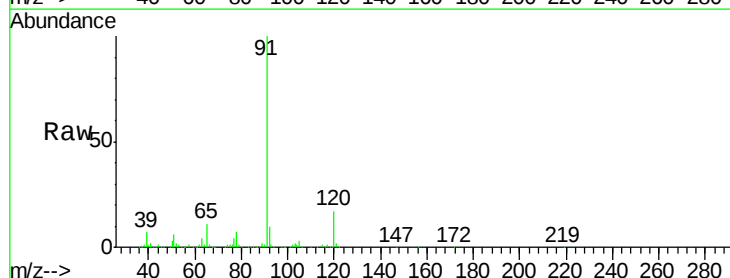
Acq: 21 Sep 2015 12:08

Tgt Ion: 91 Resp: 274303

Ion Ratio Lower Upper

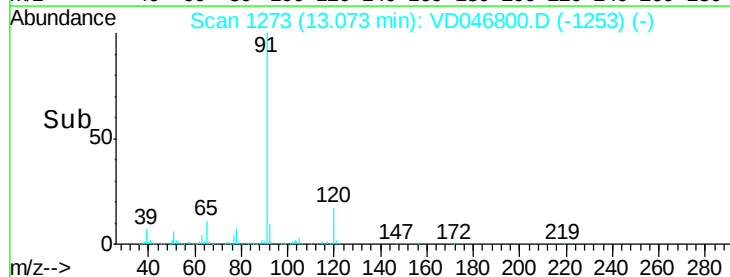
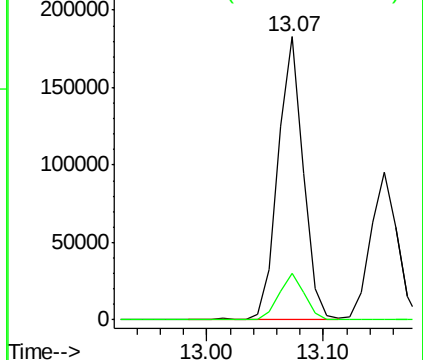
91 100

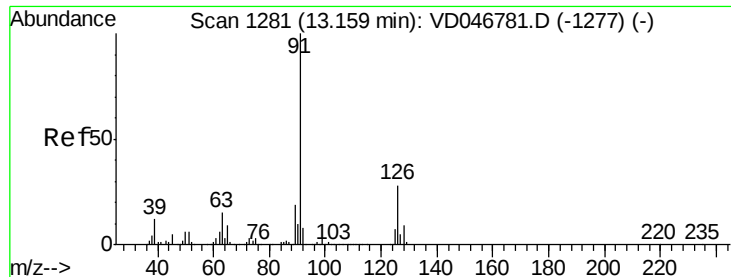
120 16.6 9.3 27.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





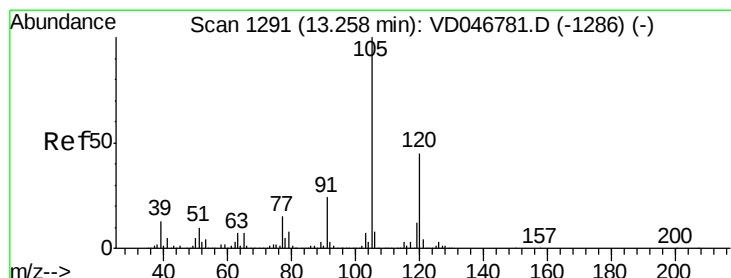
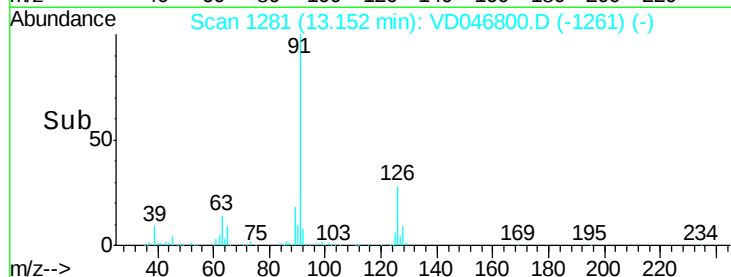
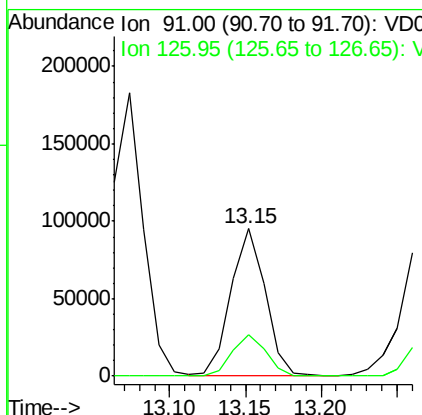
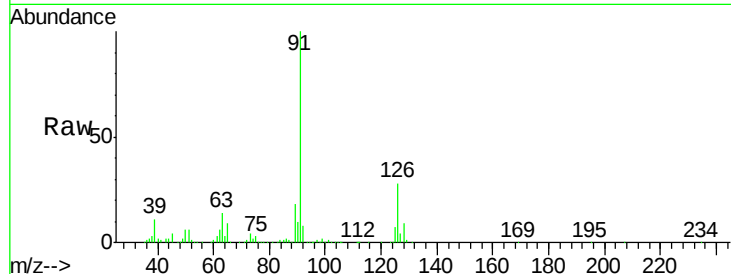
#79
 2-Chlorotoluene
 Concen: 22.86 ug/l
 RT: 13.15 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD046800.D
 Acq: 21 Sep 2015 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4

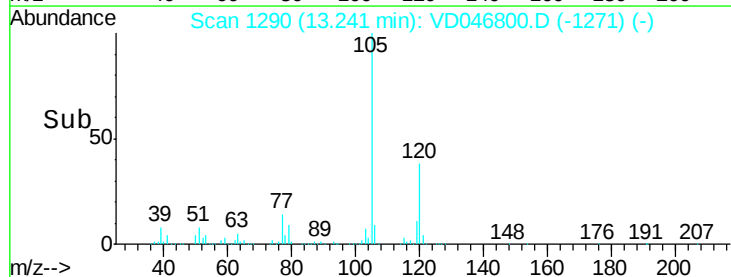
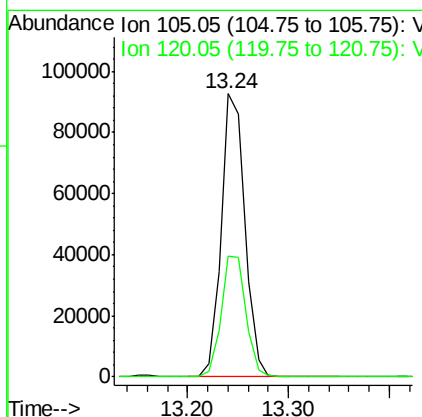
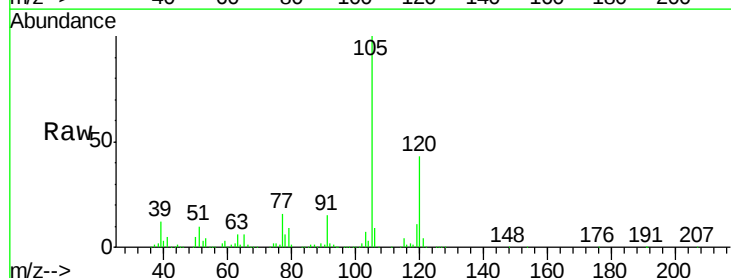
Manual Integrations
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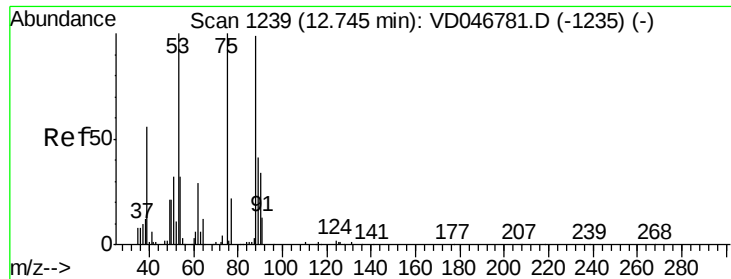
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.57 ug/l
 RT: 13.24 min Scan# 1290
 Delta R.T. -0.02 min
 Lab File: VD046800.D
 Acq: 21 Sep 2015 12:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.7	22.3	66.8





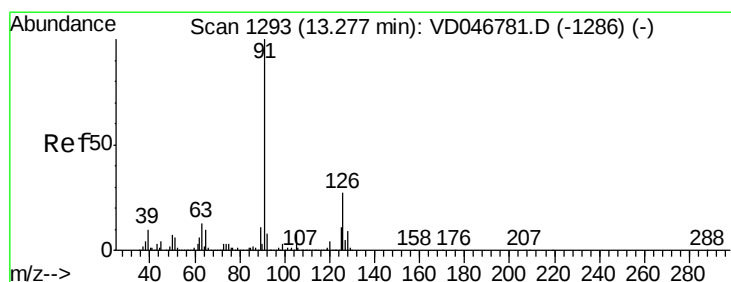
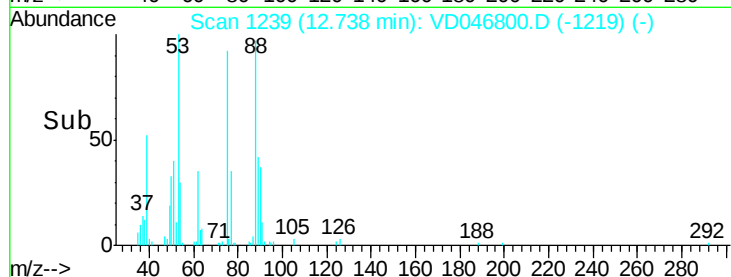
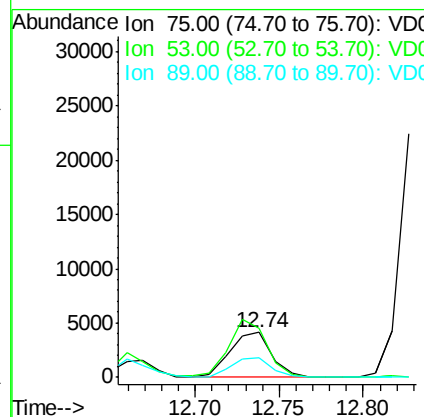
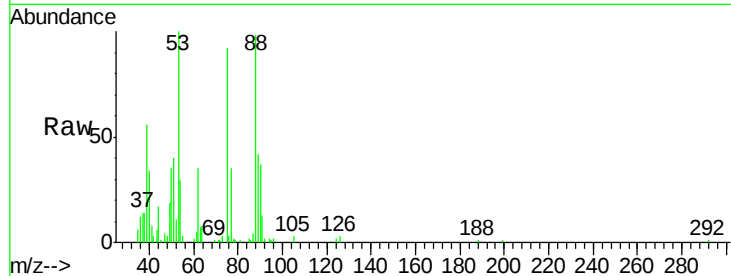
#81
trans-1,4-Dichloro-2-butene
Concen: 20.46 ug/l
RT: 12.74 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.8	82.3	123.5
89	45.2	36.6	54.8

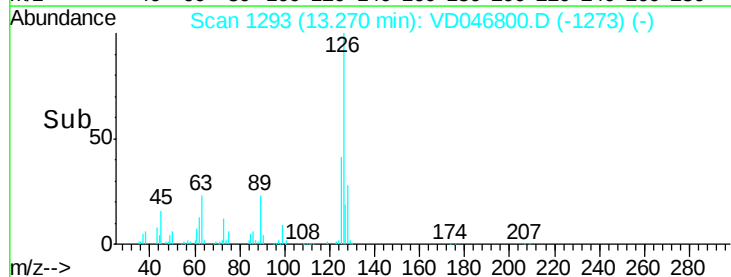
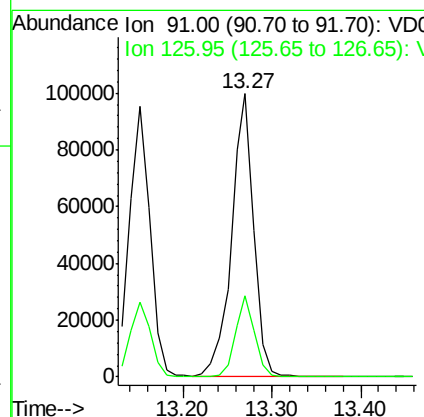
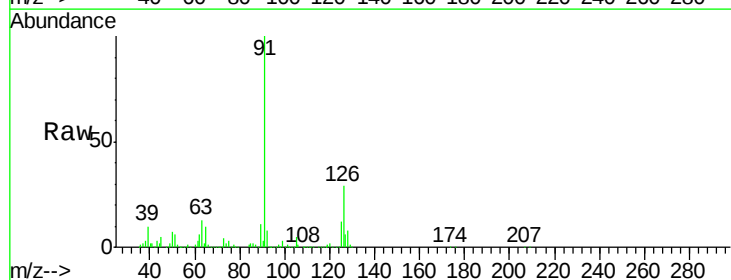
Manual Integrations
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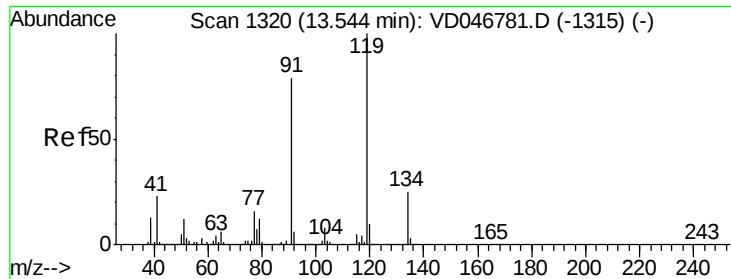
MMDadoda
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#82
4-Chlorotoluene
Concen: 22.33 ug/l
RT: 13.27 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.9	14.1	42.4





#83

tert-Butylbenzene

Concen: 23.27 ug/l m

RT: 13.54 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

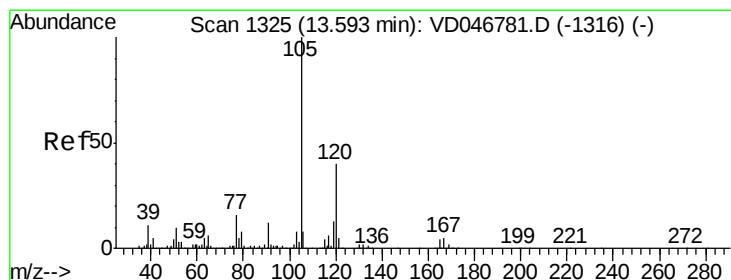
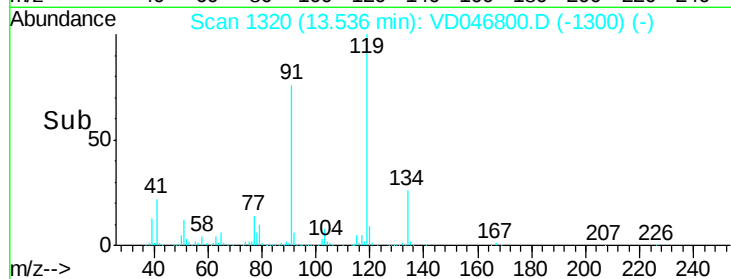
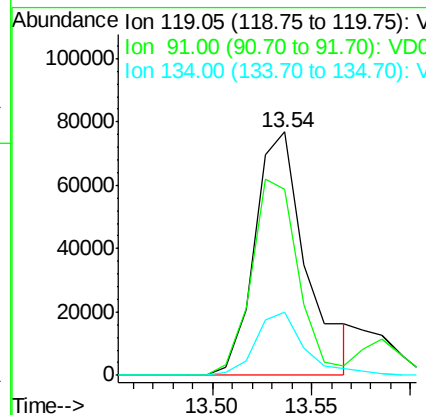
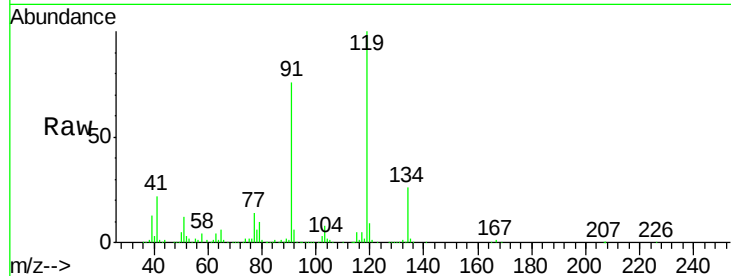
ClientSampleId :

VD0921SBS01

Tot Ion:	119	Resp:	140557
Ion Ratio	Lower	Upper	
119	100		
91	76.4	41.6	124.9
134	25.8	12.4	37.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 22.35 ug/l

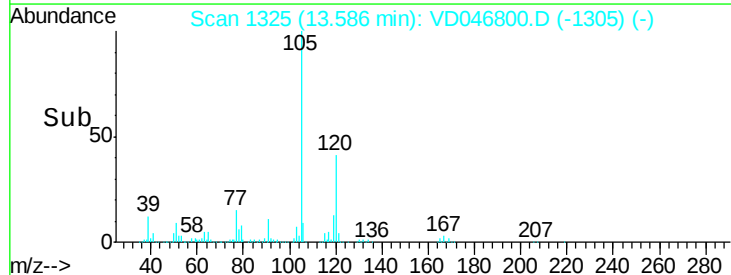
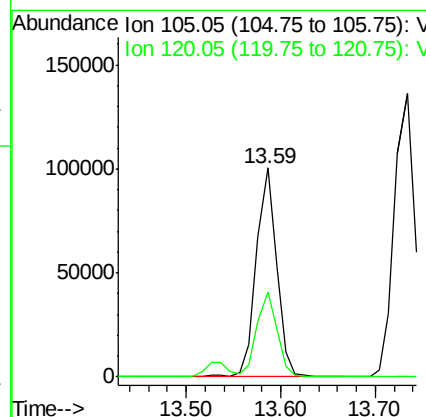
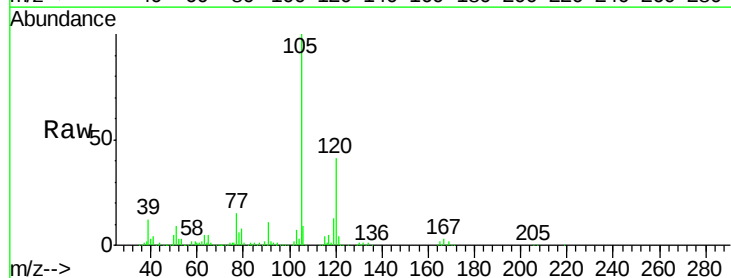
RT: 13.59 min Scan# 1325

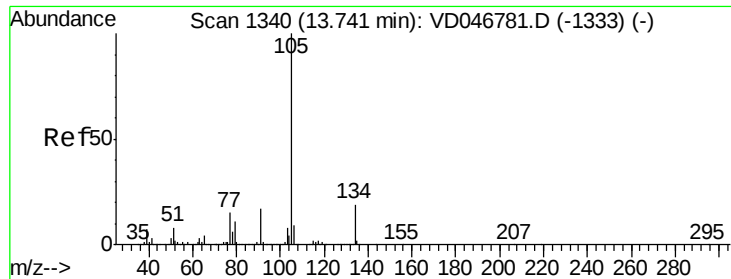
Delta R.T. -0.01 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Tgt Ion:	105	Resp:	150689
Ion Ratio	Lower	Upper	
105	100		
120	40.8	21.1	63.1





#85

sec-Butylbenzene

Concen: 23.33 ug/l

RT: 13.73 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion:105 Resp: 207091

Ion Ratio Lower Upper

105 100

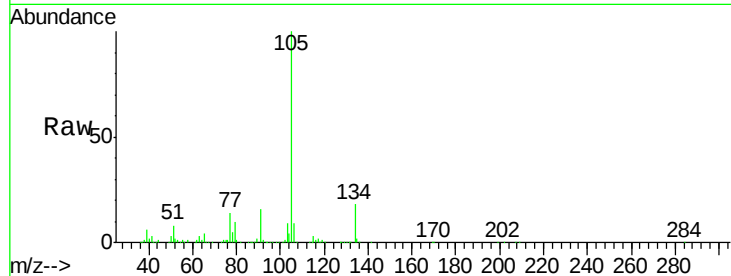
134 17.9 10.1 30.3

Manual Integrations

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

13.73

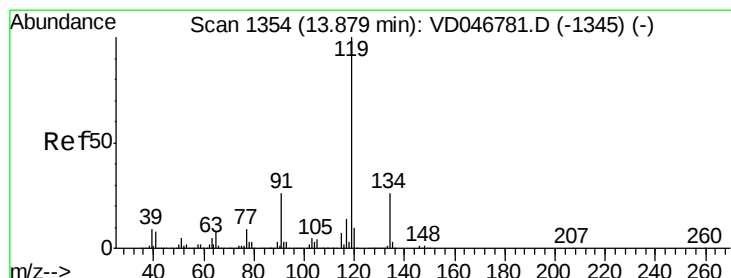
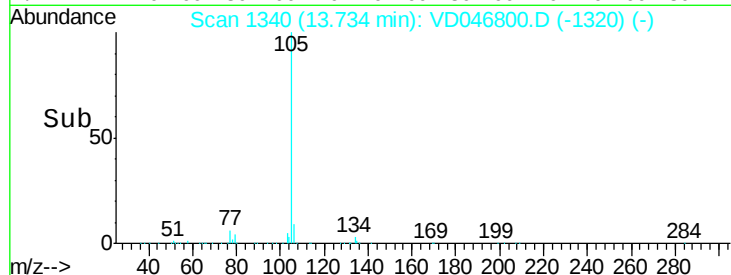
150000

100000

50000

0

Time--> 13.60 13.70 13.80



#86

p-Isopropyltoluene

Concen: 23.08 ug/l

RT: 13.86 min Scan# 1353

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

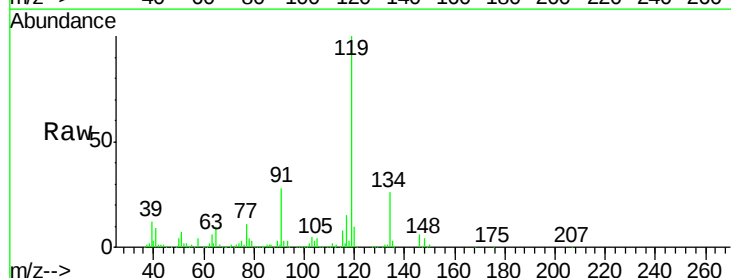
Tgt Ion:119 Resp: 161027

Ion Ratio Lower Upper

119 100

134 25.6 13.0 38.9

91 28.2 13.8 41.3



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

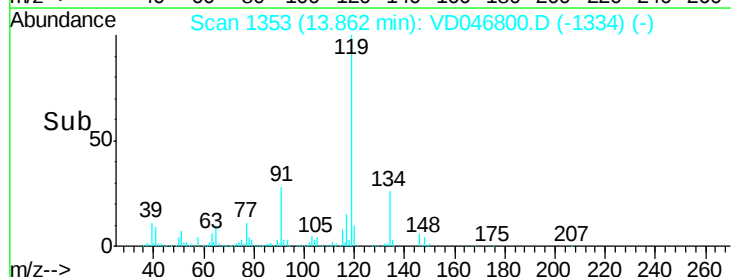
13.86

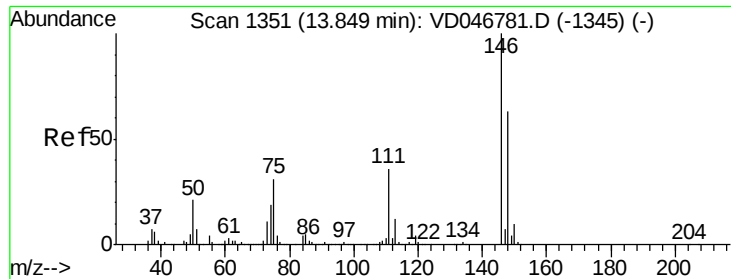
100000

50000

0

Time--> 13.70 13.80 13.90 14.00





#87

1,3-Dichlorobenzene

Concen: 22.22 ug/l

RT: 13.84 min Scan# 1351

Delta R.T. -0.01 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

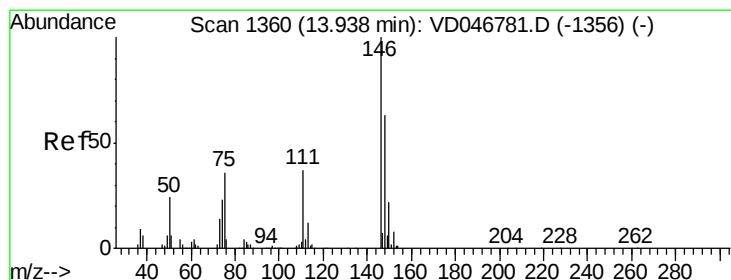
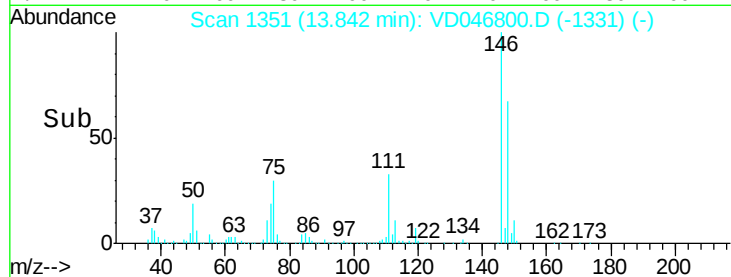
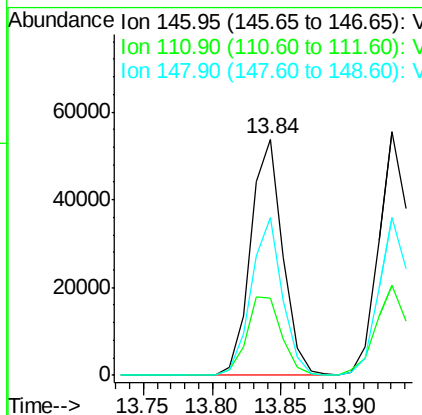
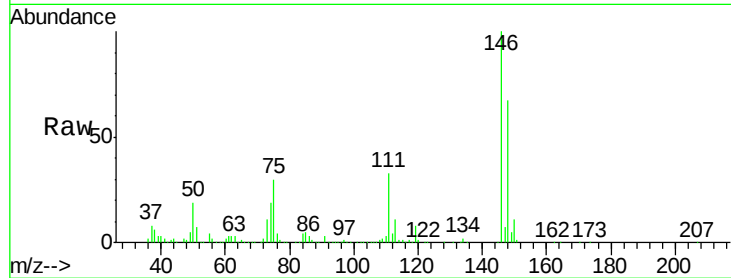
ClientSampleId :

VD0921SBS01

Tot Ion:	146	Resp:	87629
Ion Ratio	Lower	Upper	
146	100		
111	32.9	17.4	52.2
148	66.6	33.0	99.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.98 ug/l

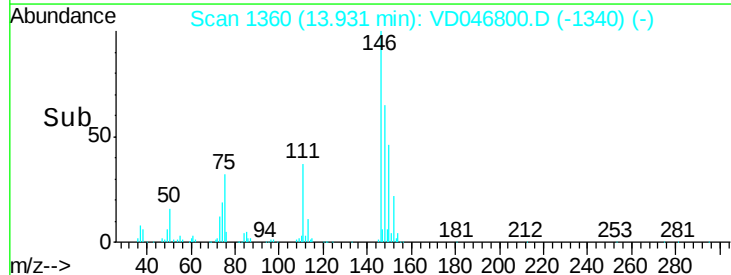
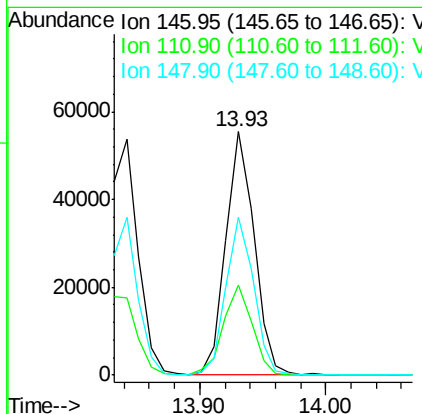
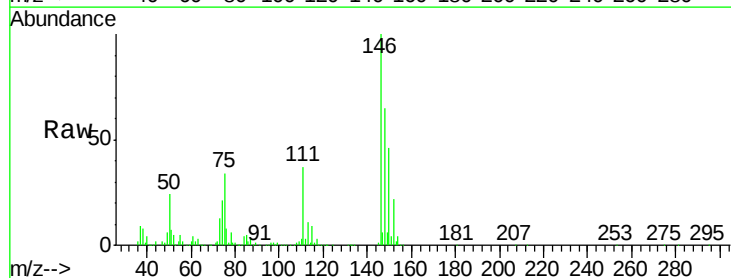
RT: 13.93 min Scan# 1360

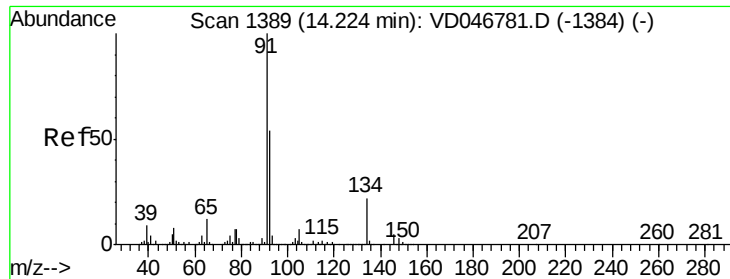
Delta R.T. -0.01 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Tgt Ion:	146	Resp:	86201
Ion Ratio	Lower	Upper	
146	100		
111	37.2	17.0	51.0
148	64.7	31.9	95.7





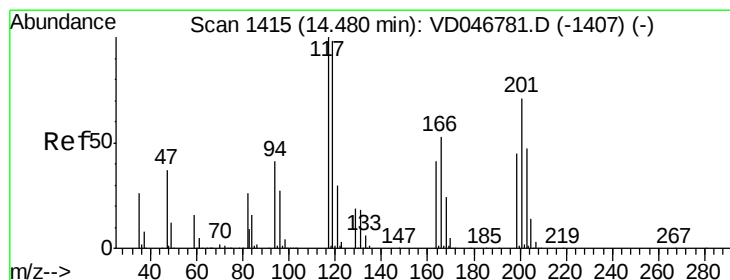
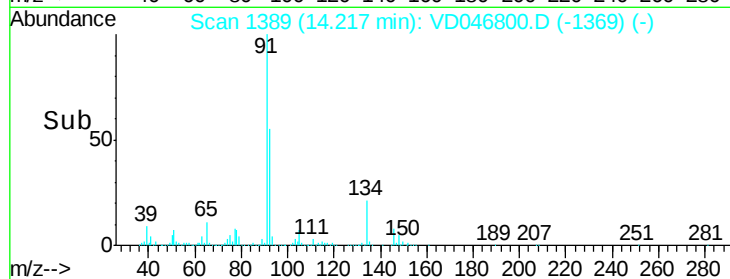
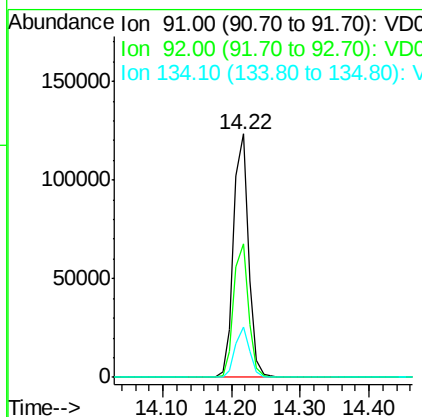
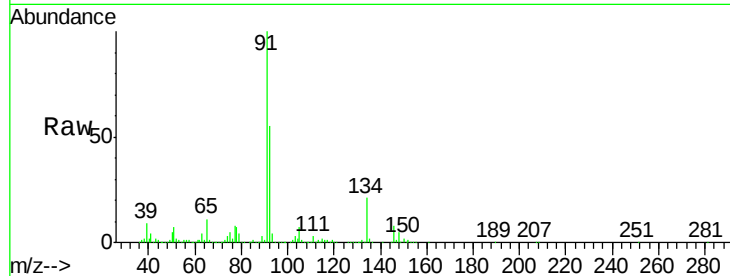
#89
n-Butylbenzene
Concen: 23.61 ug/l
RT: 14.22 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.1	81.2
134	20.8	9.6	28.6

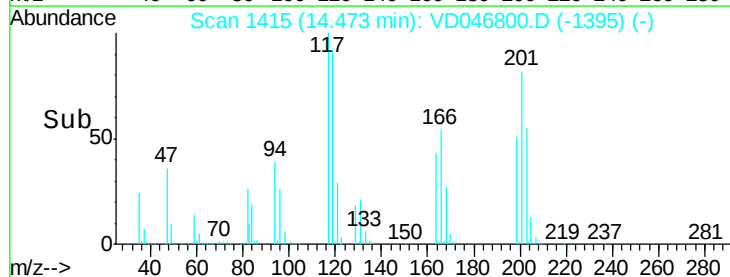
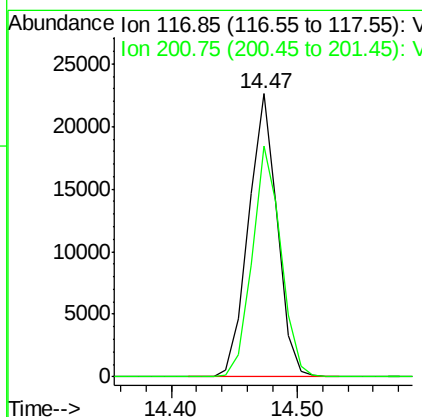
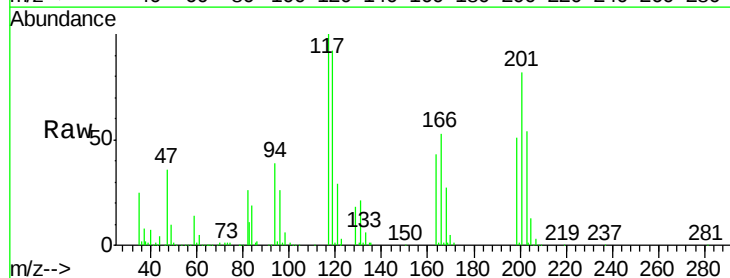
Manual Integrations
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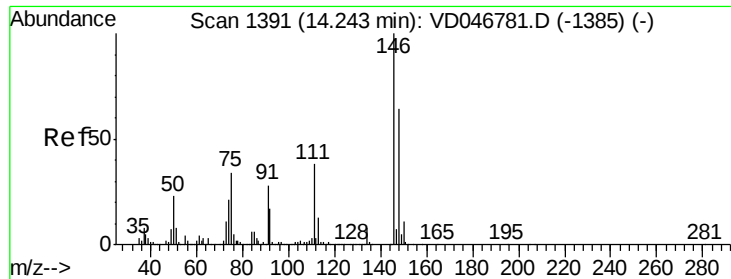
MMDadoda
9/22/2015 12:41:09 PM



#90
Hexachloroethane
Concen: 22.19 ug/l
RT: 14.47 min Scan# 1415
Delta R.T. -0.01 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.6	41.0	123.0





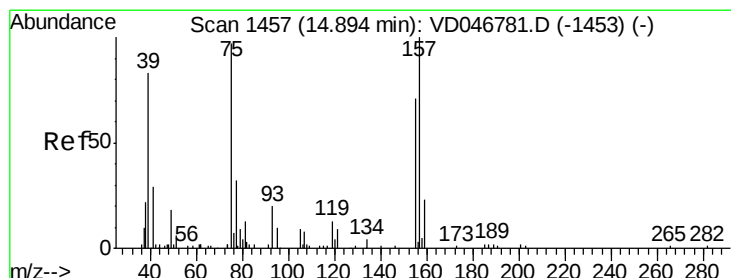
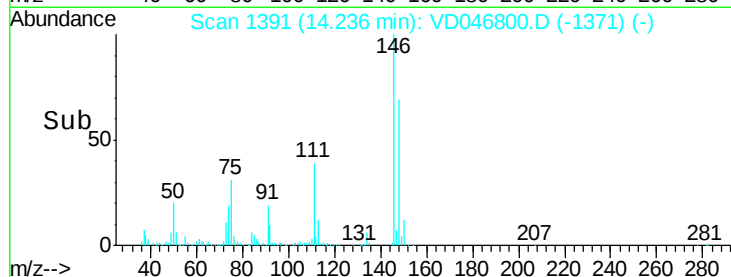
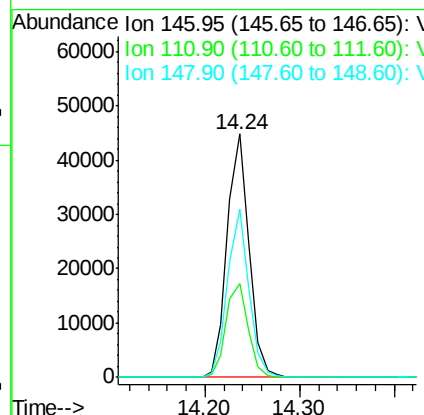
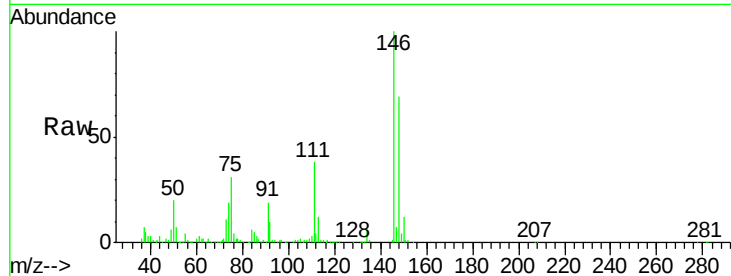
#91
 1,2-Dichlorobenzene
 Concen: 21.76 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VD046800.D
 Acq: 21 Sep 2015 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.2	54.6
148	68.8	31.1	93.3

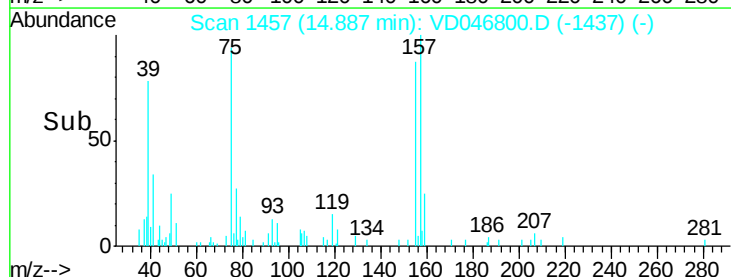
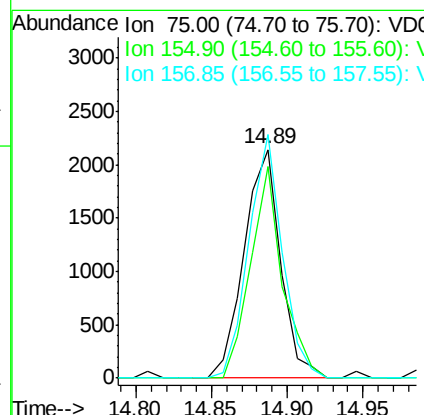
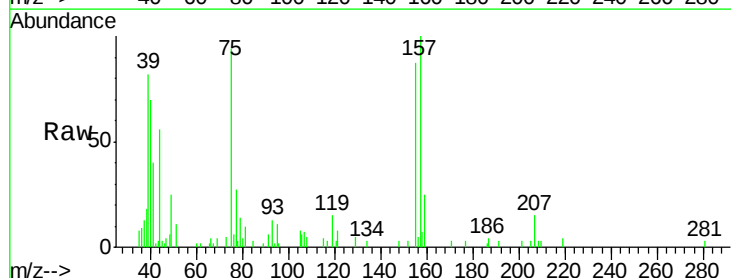
Manual Integrations
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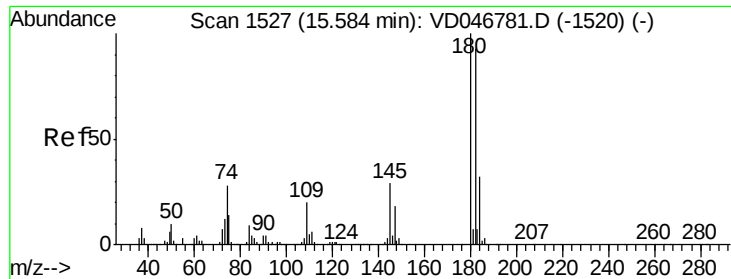
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.68 ug/l
 RT: 14.89 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VD046800.D
 Acq: 21 Sep 2015 12:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.4	41.4	124.4
157	106.4	65.0	195.1





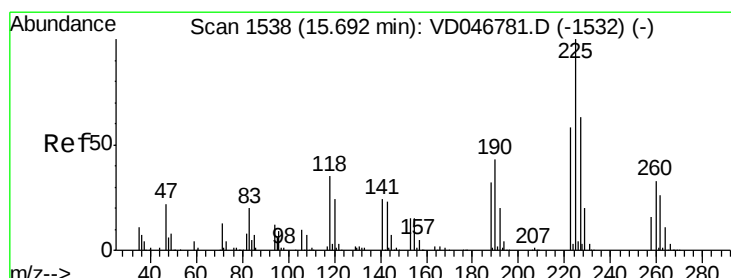
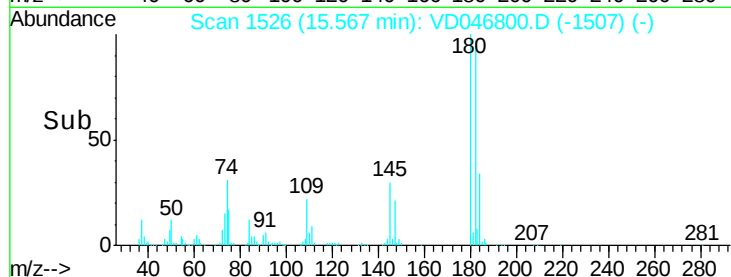
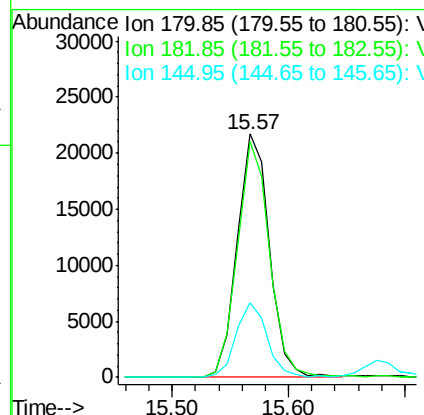
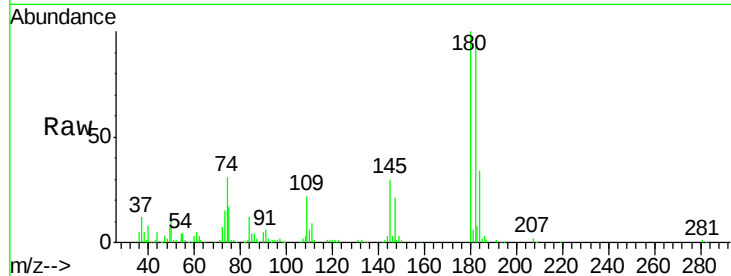
#93
 1,2,4-Trichlorobenzene
 Concen: 21.72 ug/l
 RT: 15.57 min Scan# 1526
 Delta R.T. -0.02 min
 Lab File: VD046800.D
 Acq: 21 Sep 2015 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	41426		
182	96.8	47.5	142.5	
145	30.4	14.6	44.0	

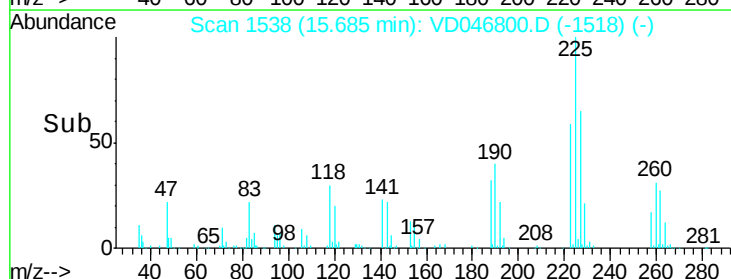
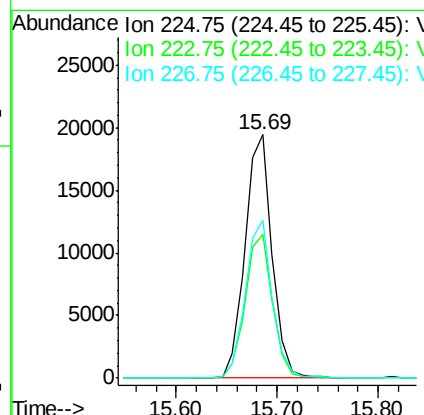
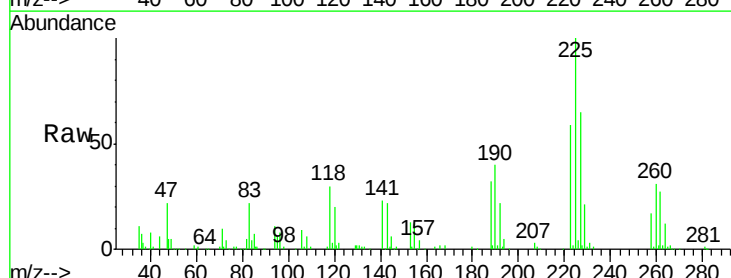
Manual Integrations
 APPROVED

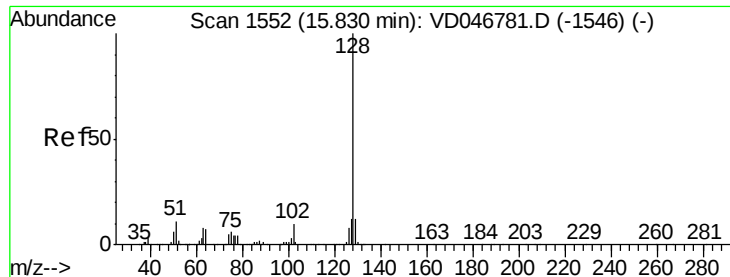
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#94
 Hexachlorobutadiene
 Concen: 23.03 ug/l
 RT: 15.69 min Scan# 1538
 Delta R.T. -0.01 min
 Lab File: VD046800.D
 Acq: 21 Sep 2015 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	36172		
223	58.9	30.4	91.2	
227	64.7	31.3	93.9	





#95

Naphthalene

Concen: 19.82 ug/l

RT: 15.81 min Scan# 1551

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

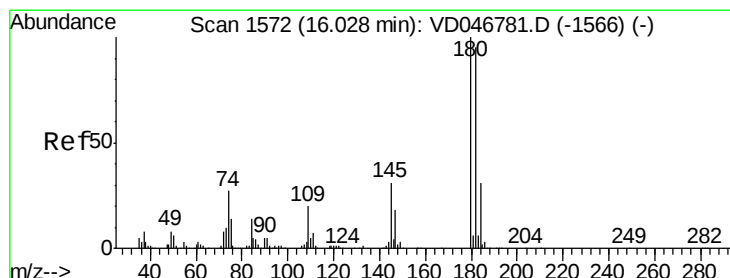
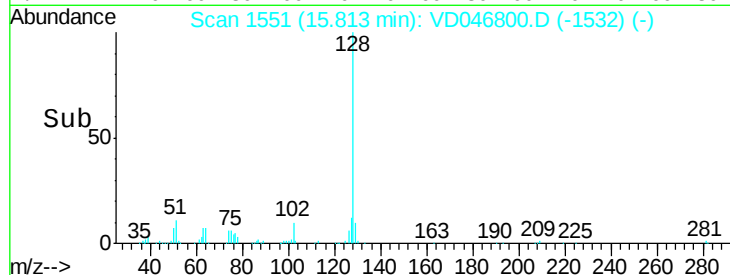
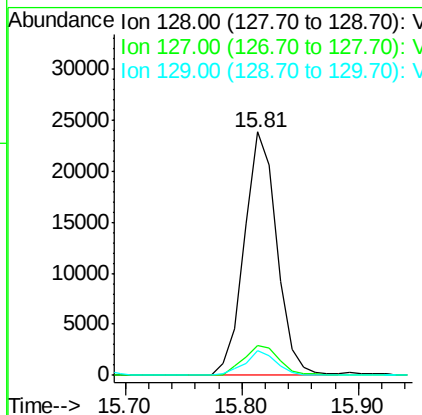
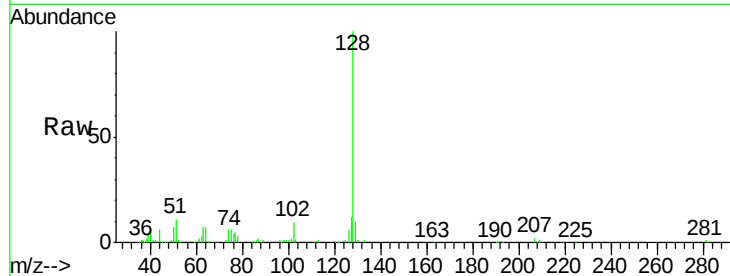
ClientSampleId :

VD0921SBS01

Tot Ion:	128	Resp:	46233
Ion Ratio	Lower	Upper	
128	100		
127	12.1	9.8	14.6
129	10.4	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 22.54 ug/l

RT: 16.01 min Scan# 1571

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Tgt Ion:	180	Resp:	35927
Ion Ratio	Lower	Upper	
180	100		
182	101.4	47.4	142.3
145	34.4	15.4	46.4

