

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092115\
 Data File : VD046801.D
 Acq On : 21 Sep 2015 12:34
 Operator : FY/SY
 Sample : VD0921SBS01
 Misc : 5.00qm/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 12:41:14 PM

Quant Time: Sep 22 01:40:19 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	198193	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	249022	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.57	117	237771	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.90	152	127403	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.70	65	111572	54.14	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	108.28%	
35) Dibromofluoromethane	6.19	113	102786	52.76	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	105.52%	
50) Toluene-d8	9.60	98	366456	59.62	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	119.24%	
62) 4-Bromofluorobenzene	12.84	95	144629	58.44	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	116.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.41	85	44245	22.01	ug/l	97
3) Chlorodifluoromethane	1.43	51	35556	20.37	ug/l #	92
4) Chloromethane	1.57	50	23812	20.38	ug/l	99
5) Vinyl Chloride	1.67	62	23456	21.38	ug/l	97
6) Bromomethane	1.96	94	22687	21.54	ug/l	98
7) Chloroethane	2.07	64	14475	21.07	ug/l	97
8) Trichlorofluoromethane	2.32	101	67812	20.89	ug/l	100
9) Diethyl Ether	2.63	74	10954	19.04	ug/l	90
10) 1,1,2-Trichlorotrifluoroet	2.88	101	42157	20.76	ug/l	96
11) Methyl Iodide	3.04	142	43707	19.52	ug/l	93
12) Tert butyl alcohol	3.65	59	8223	81.44	ug/l #	91
13) 1,1-Dichloroethene	2.87	96	33557	21.13	ug/l	97
14) Acrolein	2.77	56	10136	96.28	ug/l #	82
15) Allyl chloride	3.32	41	65488	20.31	ug/l	90
16) Acrylonitrile	3.83	53	24046	99.94	ug/l	99
17) Acetone	2.93	43	33817	97.13	ug/l	98
18) Carbon Disulfide	3.12	76	119051	20.01	ug/l	96
19) Methyl Acetate	3.33	43	39476	19.57	ug/l	100
20) Methyl tert-butyl Ether	3.89	73	51923	20.87	ug/l	93
21) Methylene Chloride	3.49	84	38298	20.26	ug/l	91
22) trans-1,2-Dichloroethene	3.88	96	36897	20.61	ug/l	97
23) Diisopropyl ether	4.64	45	109354	20.43	ug/l	94
24) Vinyl Acetate	4.59	43	109054m	96.70	ug/l	
25) 1,1-Dichloroethane	4.55	63	67828	20.57	ug/l	99
26) 2-Butanone	5.44	43	39736	101.54	ug/l	97
27) 2,2-Dichloropropane	5.41	77	69427	20.50	ug/l	97
28) cis-1,2-Dichloroethene	5.41	96	38530	20.67	ug/l	97
29) Bromochloromethane	5.77	49	27054	20.83	ug/l #	93
30) Chloroform	5.96	83	82795	20.70	ug/l	97
31) Cyclohexane	6.26	56	61805	19.98	ug/l	88
32) 1,1,1-Trichloroethane	6.16	97	74075	20.80	ug/l	98
36) 1,1-Dichloropropene	6.41	75	60085	20.65	ug/l	99
37) Ethyl Acetate	5.53	43	17766	19.01	ug/l #	97
38) Carbon Tetrachloride	6.40	117	62396	20.63	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.07	83	62718	21.27	ug/l	99
40) Benzene	6.71	78	152445	20.52	ug/l	99
41) Methacrylonitrile	5.75	41	10578	20.17	ug/l #	95
42) 1,2-Dichloroethane	6.81	62	47968	20.79	ug/l	98
43) Isopropyl Acetate	8.39	43	23704	19.24	ug/l #	96
44) Trichloroethene	7.73	130	37860	20.36	ug/l	92
45) 1,2-Dichloropropane	8.13	63	37734	20.50	ug/l	99
46) Dibromomethane	8.25	93	21264	20.35	ug/l	95
47) Bromodichloromethane	8.55	83	55302	20.16	ug/l	97
48) Methyl methacrylate	8.07	41	38039	20.19	ug/l	97
49) 1,4-Dioxane	8.28	88	2765	396.74	ug/l #	65
51) 4-Methyl-2-Pentanone	9.47	43	89884	100.95	ug/l	97
52) Toluene	9.70	92	100113	21.85	ug/l	95
53) t-1,3-Dichloropropene	10.11	75	40117	19.81	ug/l	98
54) cis-1,3-Dichloropropene	9.22	75	53865	20.65	ug/l	94
55) 1,1,2-Trichloroethane	10.38	97	25078	21.14	ug/l	99
56) Ethyl methacrylate	10.23	69	20758	19.43	ug/l	93
57) 1,3-Dichloropropane	10.59	76	44942	20.37	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.02	63	59547	105.53	ug/l	97
59) 2-Hexanone	10.70	43	65971	102.55	ug/l	95
60) Dibromochloromethane	10.88	129	33835	20.78	ug/l	92
61) 1,2-Dibromoethane	11.00	107	23925	20.42	ug/l	96
64) Tetrachloroethene	10.46	164	39505	20.57	ug/l	96
65) Chlorobenzene	11.60	112	103230	20.63	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.71	131	37767	20.55	ug/l	99
67) Ethyl Benzene	11.72	91	208422	20.73	ug/l	96
68) m/p-Xylenes	11.87	106	134281	42.34	ug/l	89
69) o-Xylene	12.28	106	61777	21.64	ug/l	93
70) Styrene	12.31	104	105358	21.29	ug/l	99
71) Bromoform	12.49	173	19868	20.30	ug/l	99
73) Isopropylbenzene	12.66	105	188619	21.00	ug/l	94
74) N-amyl acetate	12.49	43	35015	18.75	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.98	83	28429	19.61	ug/l	97
76) 1,2,3-Trichloropropane	13.02	75	29963	19.32	ug/l	90
77) Bromobenzene	12.97	156	45588	20.18	ug/l	89
78) n-propylbenzene	13.06	91	268276	21.15	ug/l	96
79) 2-Chlorotoluene	13.14	91	145395	20.65	ug/l	97
80) 1,3,5-Trimethylbenzene	13.24	105	148433	20.74	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.73	75	7003	18.94	ug/l	95
82) 4-Chlorotoluene	13.26	91	176334	21.04	ug/l	97
83) tert-Butylbenzene	13.53	119	134732m	20.88	ug/l	
84) 1,2,4-Trimethylbenzene	13.59	105	149063	20.69	ug/l	98
85) sec-Butylbenzene	13.72	105	202293	21.33	ug/l	96
86) p-Isopropyltoluene	13.86	119	158457	21.26	ug/l	98
87) 1,3-Dichlorobenzene	13.83	146	87821	20.84	ug/l	99
88) 1,4-Dichlorobenzene	13.93	146	85416	20.38	ug/l	97
89) n-Butylbenzene	14.21	91	184172	21.88	ug/l	100
90) Hexachloroethane	14.47	117	35692	20.65	ug/l	95
91) 1,2-Dichlorobenzene	14.23	146	72799	20.57	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.88	75	3711	19.92	ug/l	70

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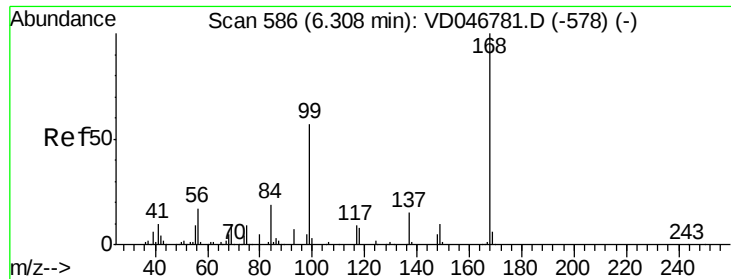
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.57	180	43237	21.21	ug/l	100
94) Hexachlorobutadiene	15.68	225	35113	20.93	ug/l	98
95) Naphthalene	15.81	128	48732	19.58	ug/l	98
96) 1,2,3-Trichlorobenzene	16.01	180	36172	21.24	ug/l	95

(#) = 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: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion:168 Resp: 198193

Ion Ratio Lower Upper

168 100

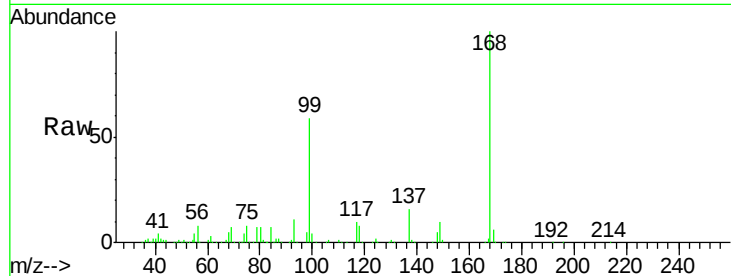
99 58.7 42.4 63.6

Manual Integrations

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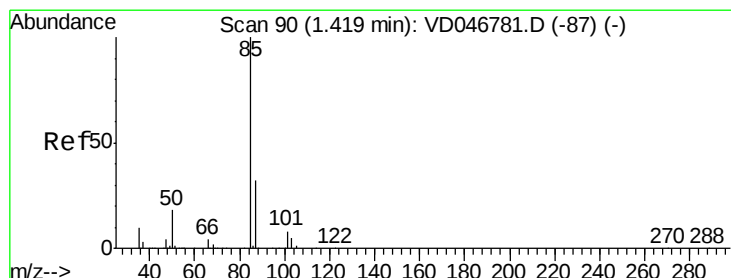
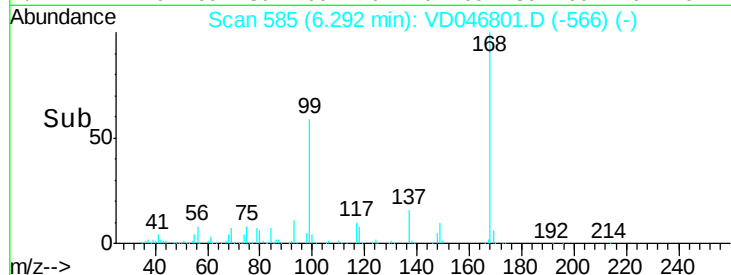
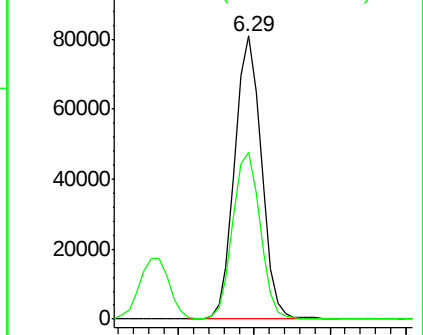
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 22.01 ug/l

RT: 1.41 min Scan# 90

Delta R.T. -0.01 min

Lab File: VD046801.D

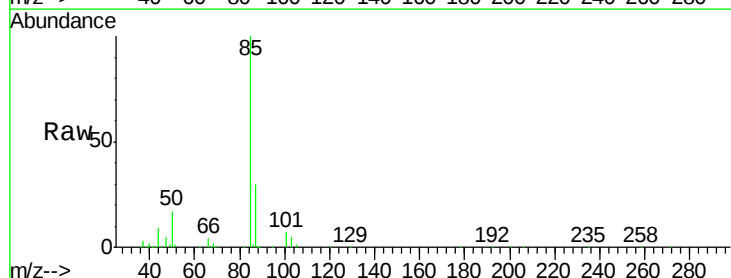
Acq: 21 Sep 2015 12:34

Tgt Ion: 85 Resp: 44245

Ion Ratio Lower Upper

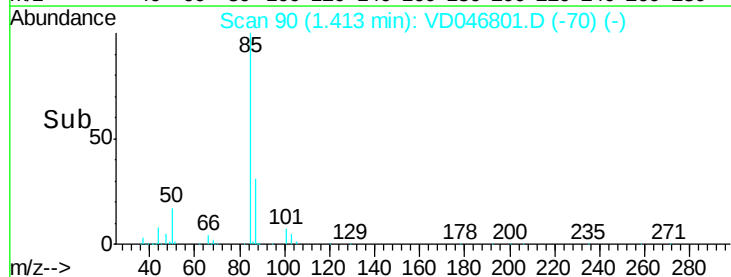
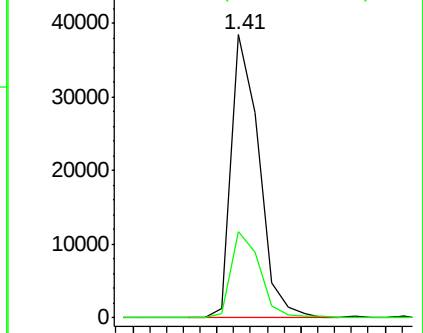
85 100

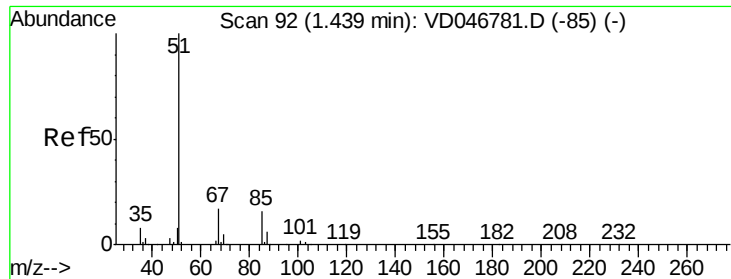
87 30.4 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chlorodifluoromethane

Concen: 20.37 ug/l

RT: 1.43 min Scan# 92

Delta R.T. -0.01 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 51 Resp: 35556

Ion Ratio Lower Upper

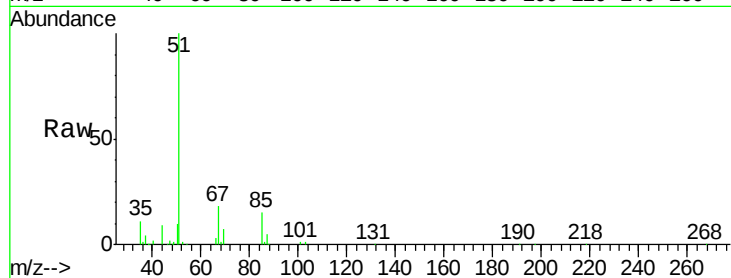
51 100

67 16.7 10.9 16.3#

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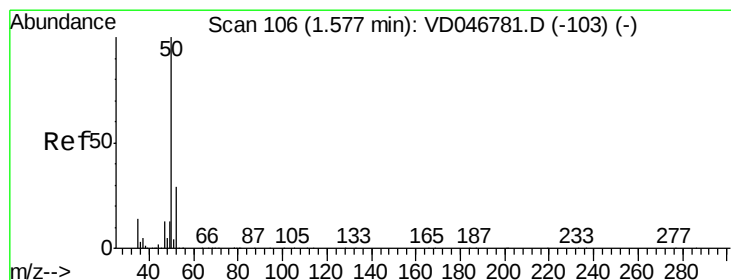
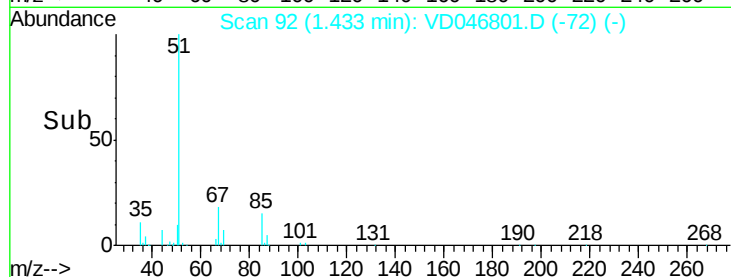
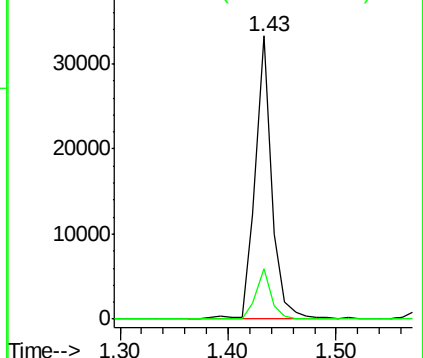
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Abundance Ion 51.00 (50.70 to 51.70): VDC

Ion 67.00 (66.70 to 67.70): VDC



#4

Chloromethane

Concen: 20.38 ug/l

RT: 1.57 min Scan# 106

Delta R.T. -0.01 min

Lab File: VD046801.D

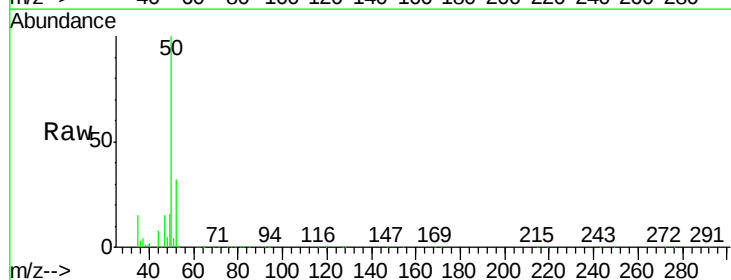
Acq: 21 Sep 2015 12:34

Tgt Ion: 50 Resp: 23812

Ion Ratio Lower Upper

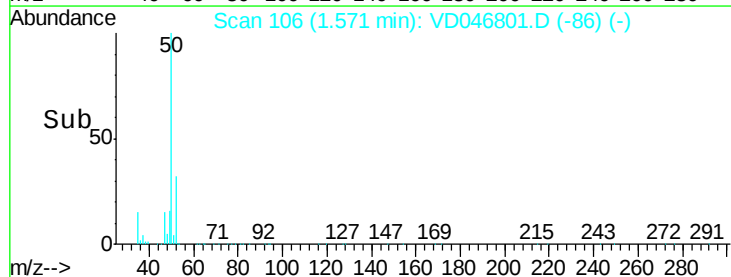
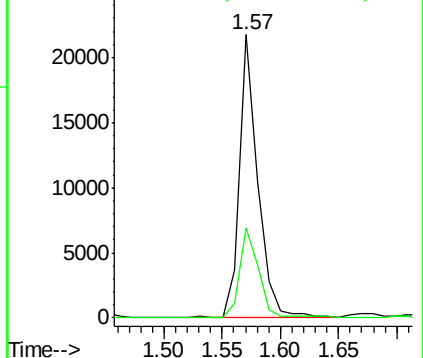
50 100

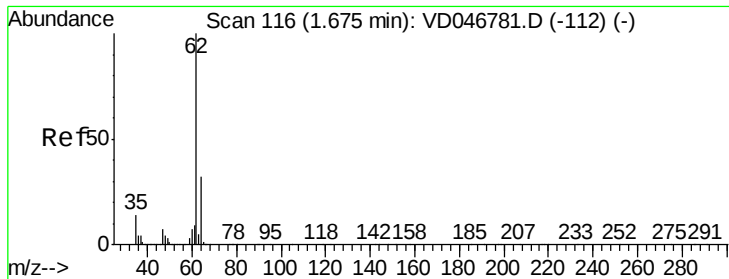
52 31.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Vinyl Chloride

Concen: 21.38 ug/l

RT: 1.67 min Scan# 116

Delta R.T. -0.01 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 62 Resp: 23456

Ion Ratio Lower Upper

62 100

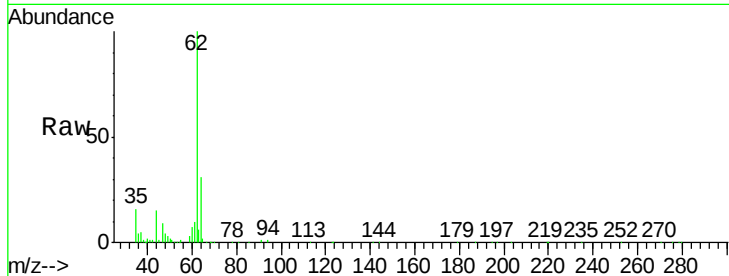
64 31.4 26.4 39.6

Manual Integrations

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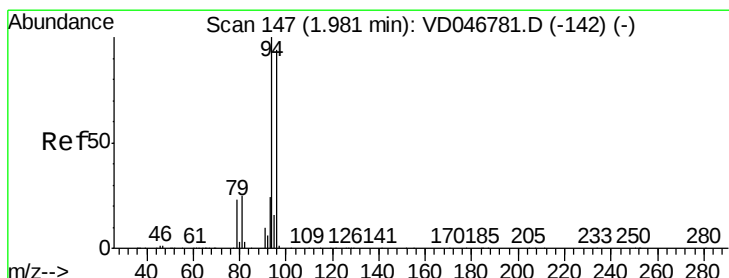
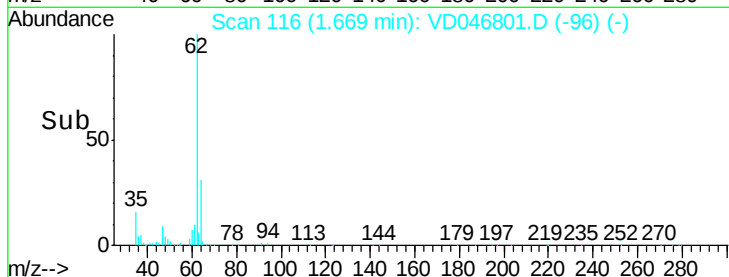
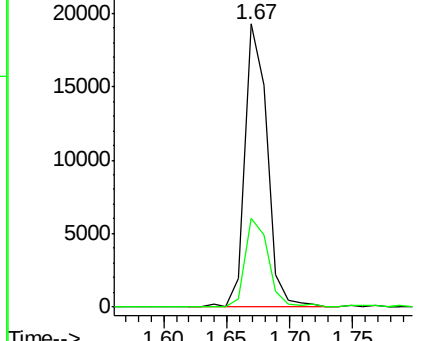
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Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



#6

Bromomethane

Concen: 21.54 ug/l

RT: 1.96 min Scan# 146

Delta R.T. -0.02 min

Lab File: VD046801.D

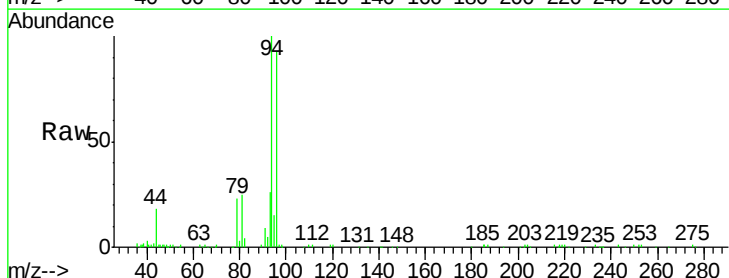
Acq: 21 Sep 2015 12:34

Tgt Ion: 94 Resp: 22687

Ion Ratio Lower Upper

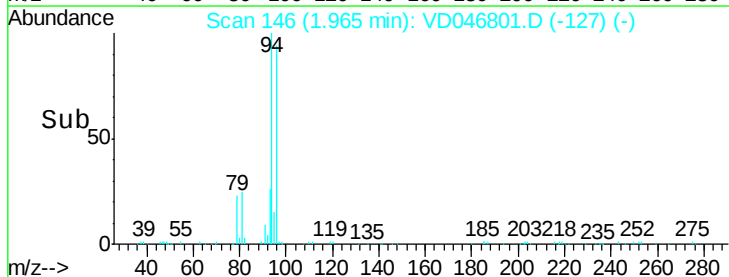
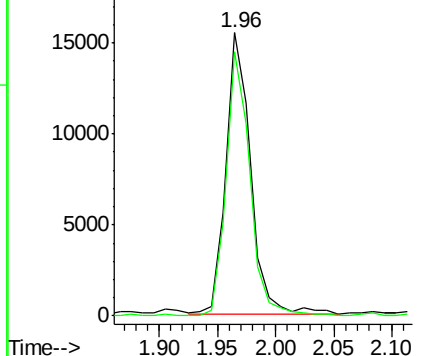
94 100

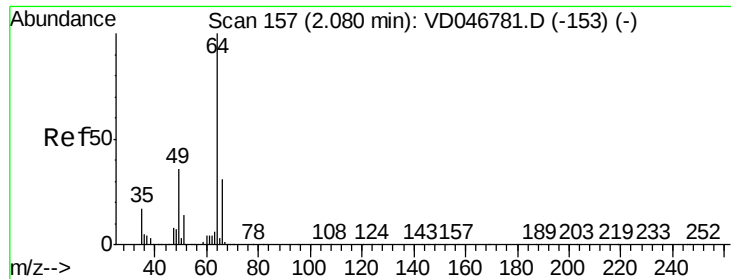
96 93.2 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#7

Chloroethane

Concen: 21.07 ug/l

RT: 2.07 min Scan# 157

Delta R.T. -0.01 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 64 Resp: 14475

Ion Ratio Lower Upper

64 100

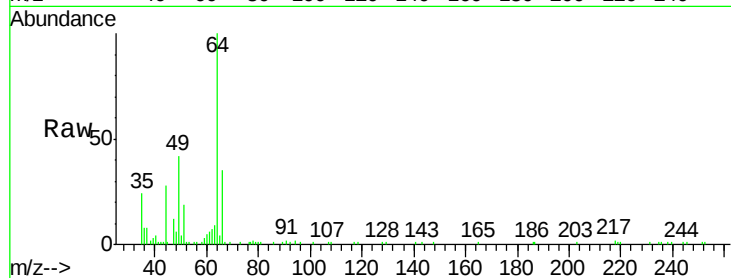
66 35.1 26.6 39.8

Manual Integrations

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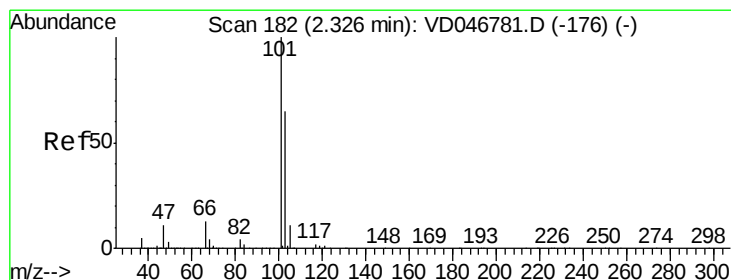
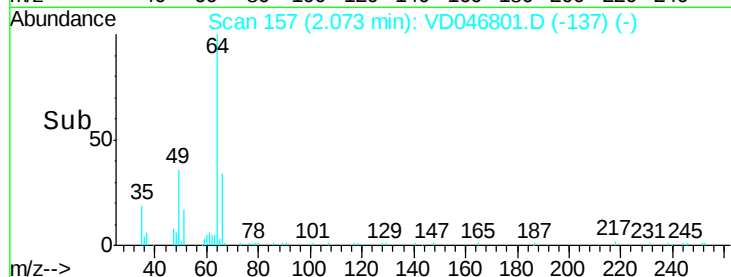
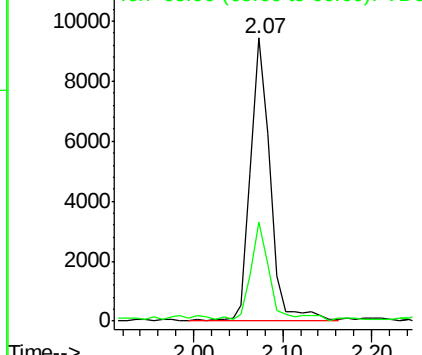
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Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



#8

Trichlorofluoromethane

Concen: 20.89 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD046801.D

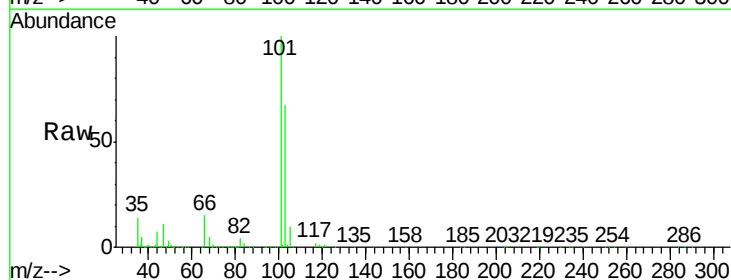
Acq: 21 Sep 2015 12:34

Tgt Ion:101 Resp: 67812

Ion Ratio Lower Upper

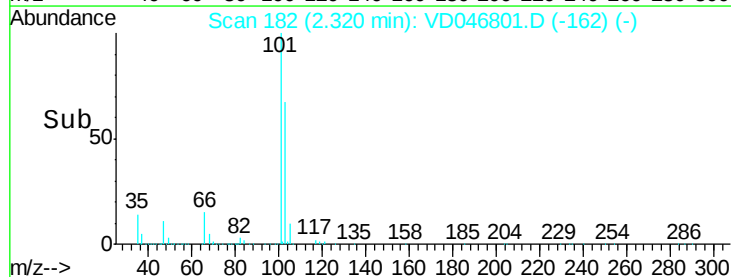
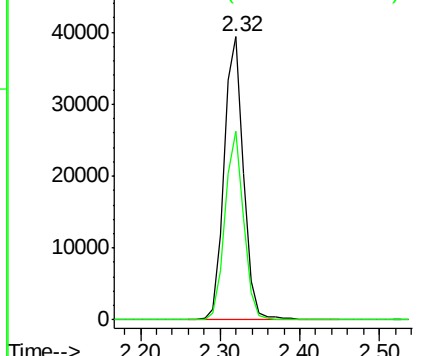
101 100

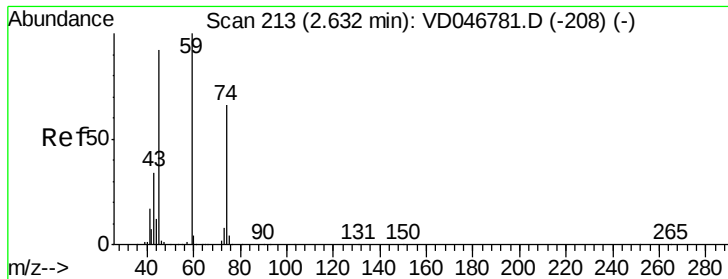
103 66.8 53.2 79.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V





#9

Diethyl Ether

Concen: 19.04 ug/l

RT: 2.63 min Scan# 213

Delta R.T. -0.01 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

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ClientSampleId :

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Tot Ion: 74 Resp: 10954

Ion Ratio Lower Upper

74 100

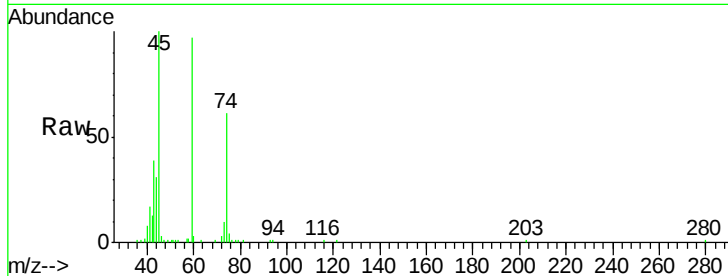
45 164.9 76.2 228.6

Manual Integrations

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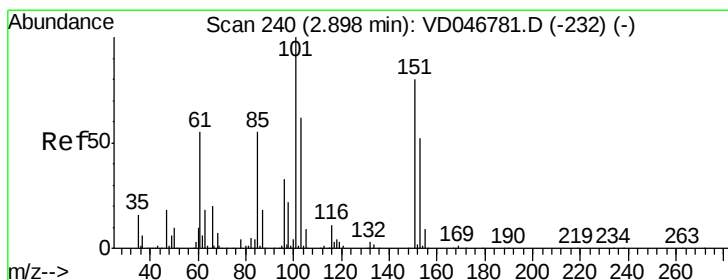
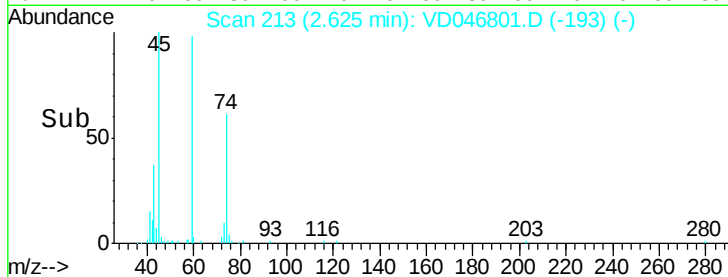
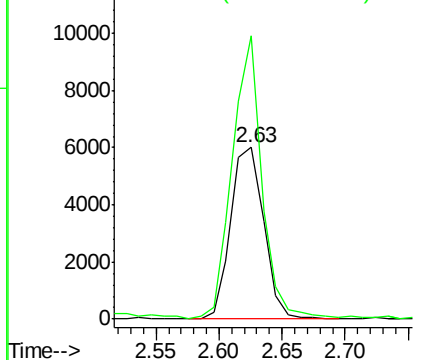
MMDadoda

9/22/2015 12:41:14 PM



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#10

1,1,2-Trichlorotrifluoroethane

Concen: 20.76 ug/l

RT: 2.88 min Scan# 239

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

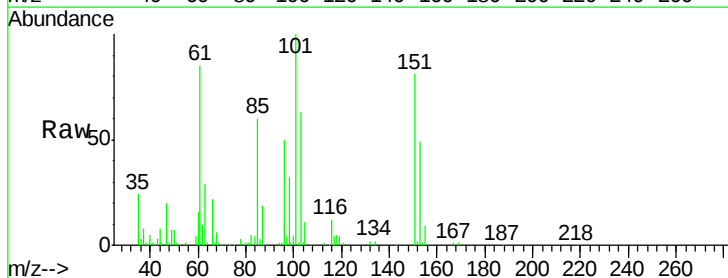
Tgt Ion:101 Resp: 42157

Ion Ratio Lower Upper

101 100

85 59.8 42.0 63.0

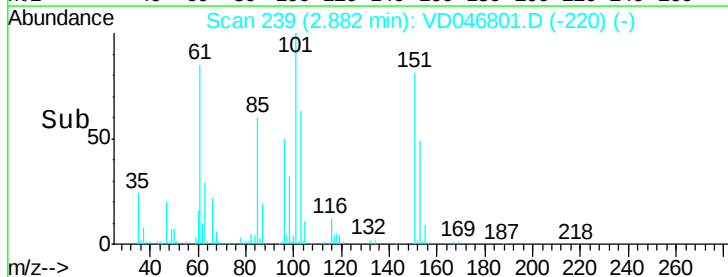
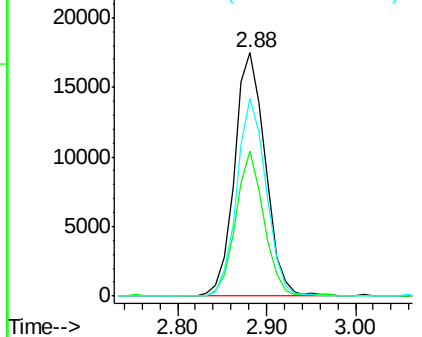
151 81.4 65.2 97.8

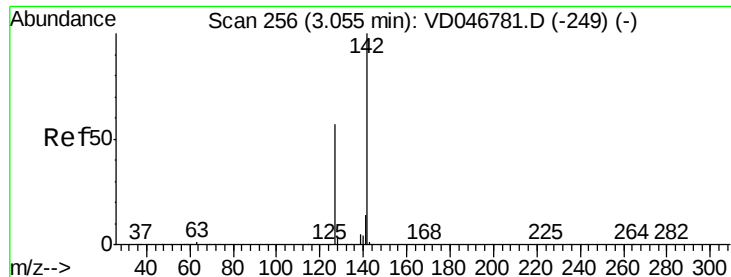


Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VDC

Ion 150.90 (150.60 to 151.60): V





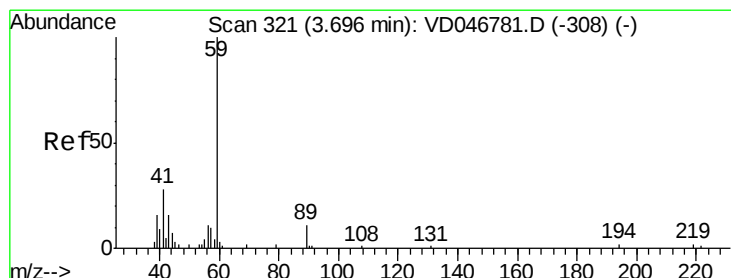
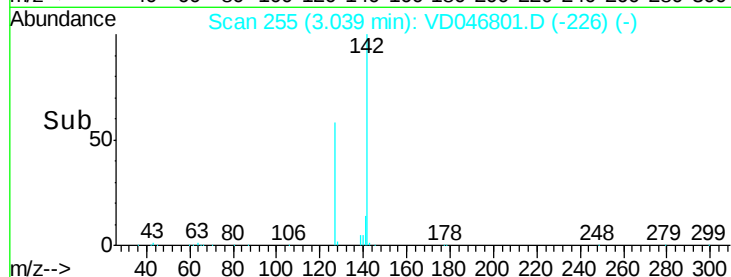
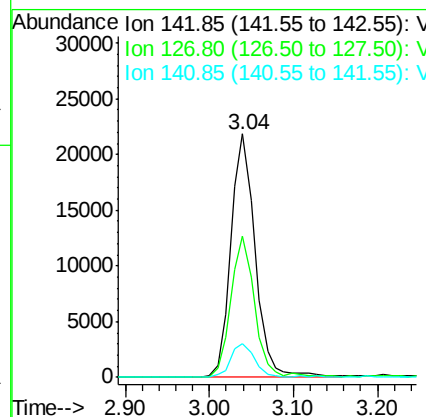
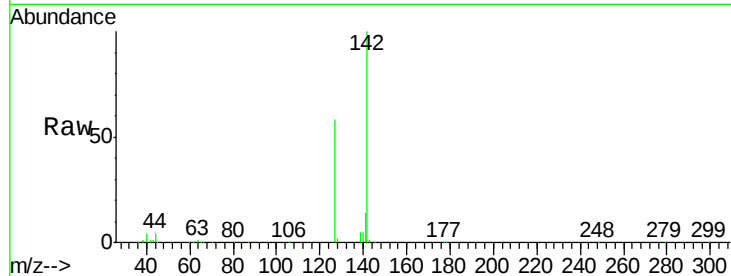
#11
Methvl Iodide
Concen: 19.52 ug/l
RT: 3.04 min Scan# 255
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	57.8	41.2	61.8
141	14.0	11.6	17.4

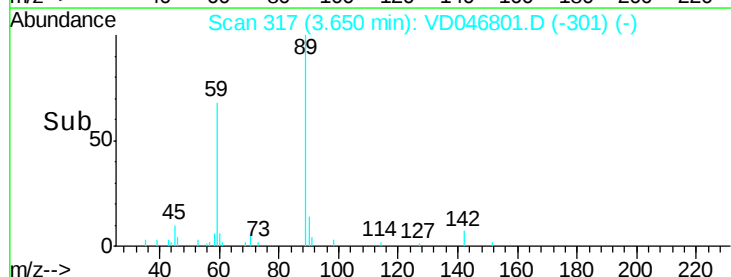
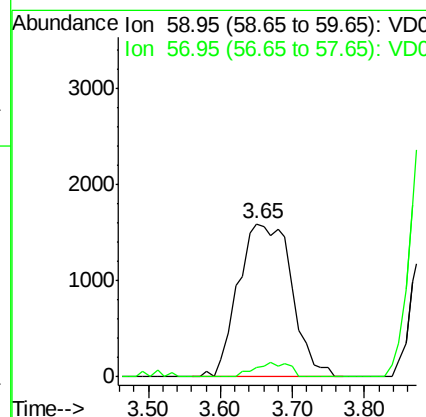
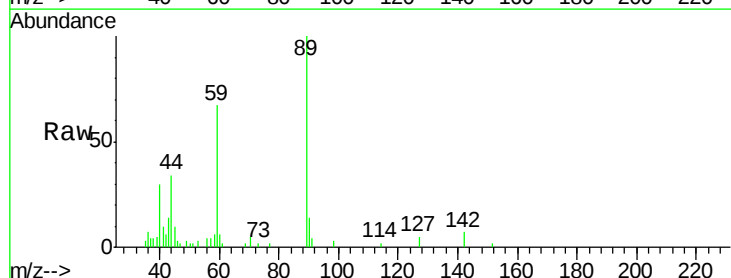
Manual Integrations
APPROVED

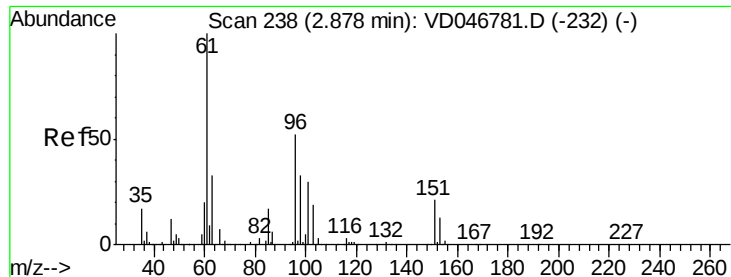
MMDadoda
9/22/2015 12:41:14 PM



#12
Tert butyl alcohol
Concen: 81.44 ug/l
RT: 3.65 min Scan# 317
Delta R.T. -0.05 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Tgt Ion	Ratio	Lower	Upper
59	100		
57	6.5	7.8	11.6#





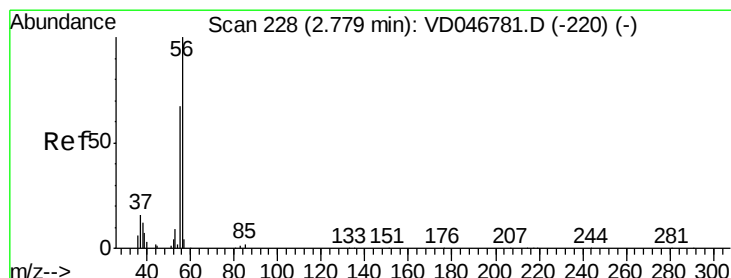
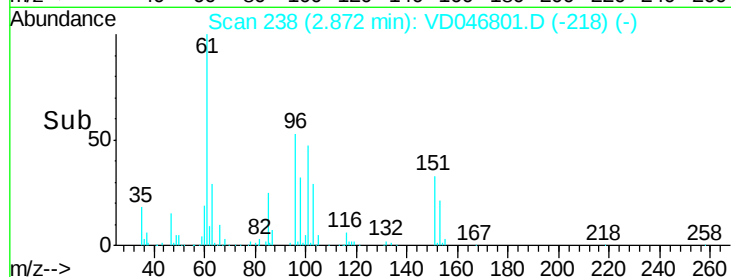
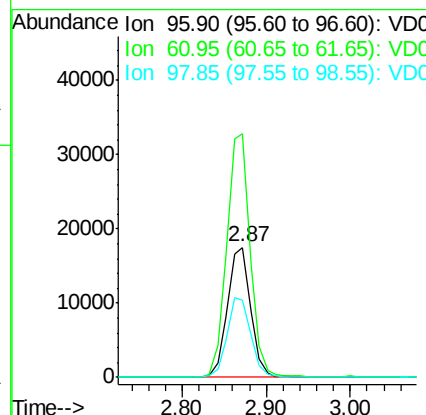
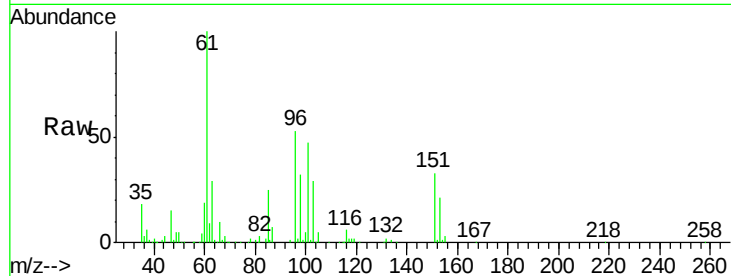
#13
 1,1-Dichloroethene
 Concen: 21.13 ug/l
 RT: 2.87 min Scan# 238
 Delta R.T. -0.01 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	187.0	152.2	228.4
98	59.2	51.2	76.8

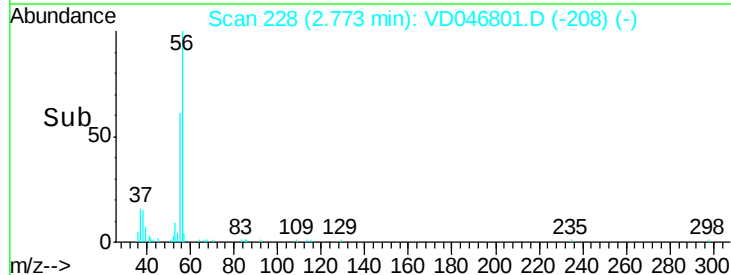
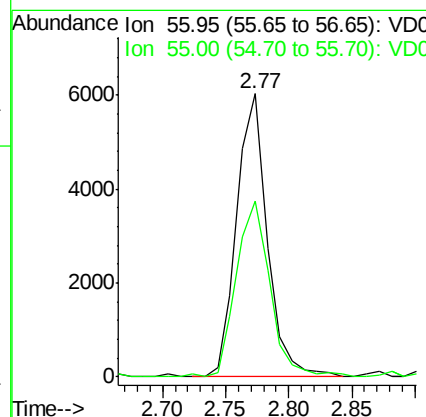
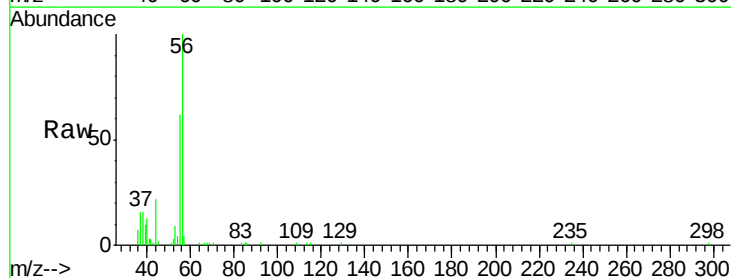
Manual Integrations
 APPROVED

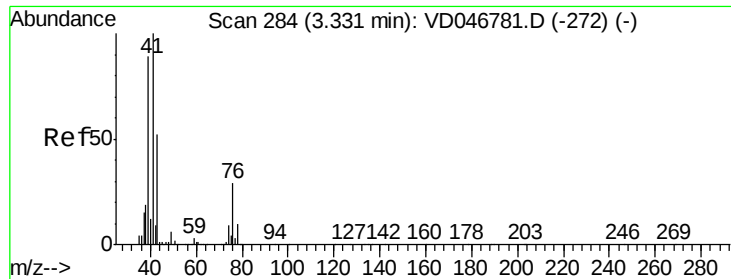
MMDadoda
 9/22/2015 12:41:14 PM



#14
 Acrolein
 Concen: 96.28 ug/l
 RT: 2.77 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

Tgt Ion	Ratio	Lower	Upper
56	100		
55	62.3	62.6	93.8#





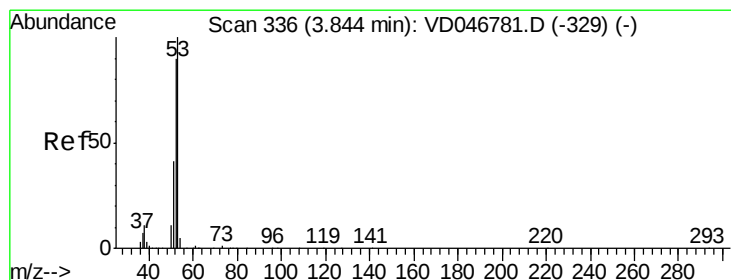
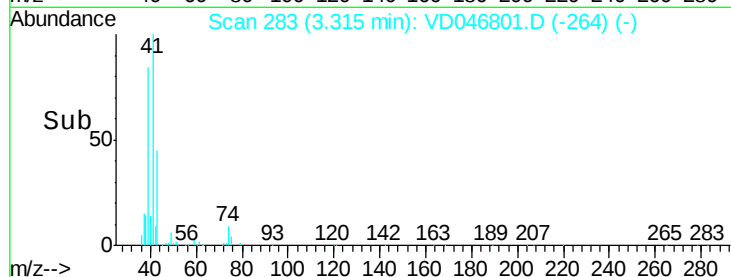
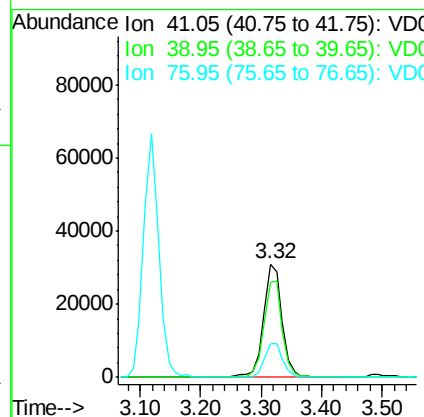
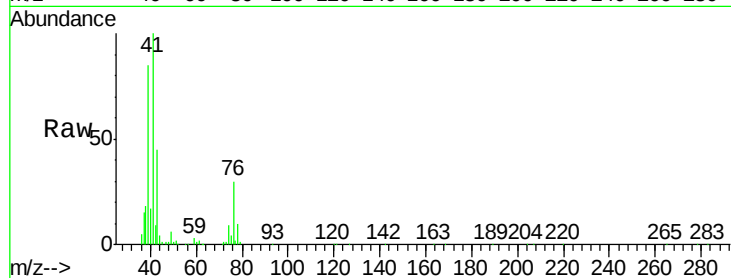
#15
Allvl chloride
Concen: 20.31 ug/l
RT: 3.32 min Scan# 283
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	84.7	58.8	88.2
76	29.7	22.7	34.1

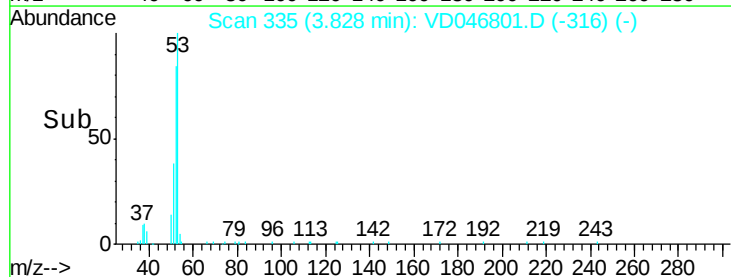
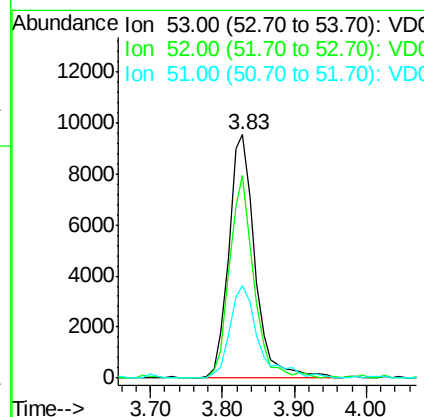
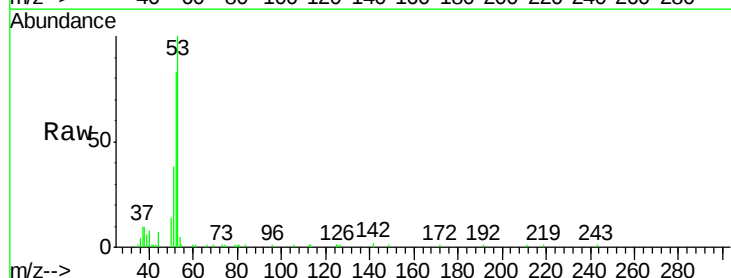
Manual Integrations
APPROVED

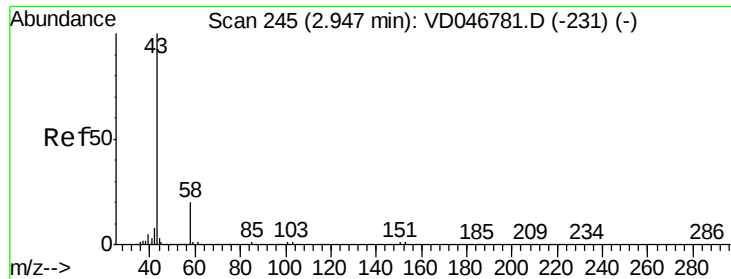
MMDadoda
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#16
Acrylonitrile
Concen: 99.94 ug/l
RT: 3.83 min Scan# 335
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.8	100.2
51	38.1	31.2	46.8





#17

Acetone

Concen: 97.13 ug/l

RT: 2.93 min Scan# 244

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 43 Resp: 33817

Ion Ratio Lower Upper

43 100

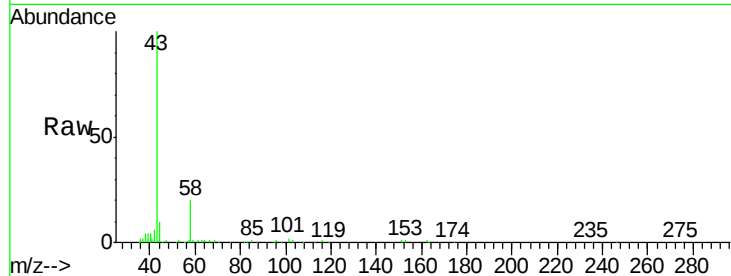
58 19.8 16.6 24.8

Manual Integrations

APPROVED

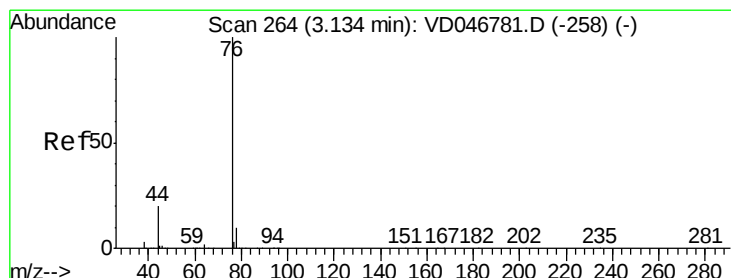
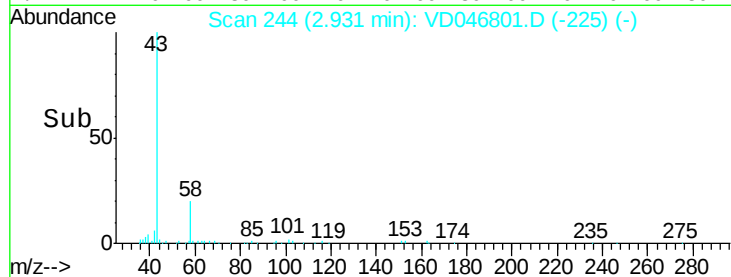
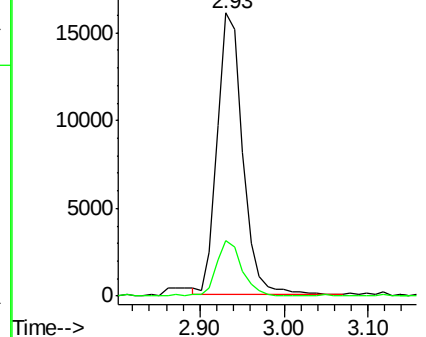
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Carbon Disulfide

Concen: 20.01 ug/l

RT: 3.12 min Scan# 263

Delta R.T. -0.02 min

Lab File: VD046801.D

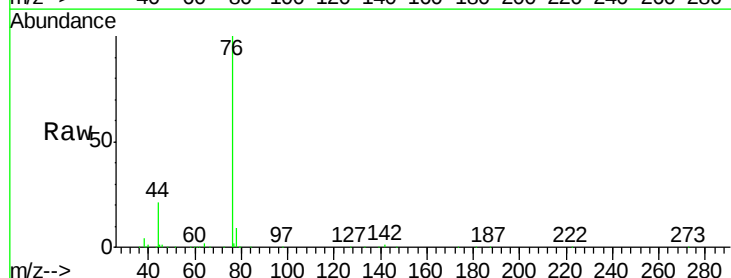
Acq: 21 Sep 2015 12:34

Tgt Ion: 76 Resp: 119051

Ion Ratio Lower Upper

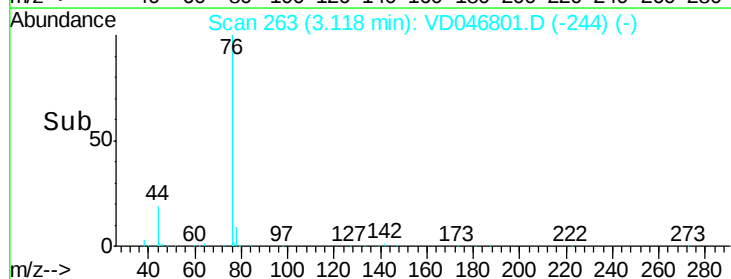
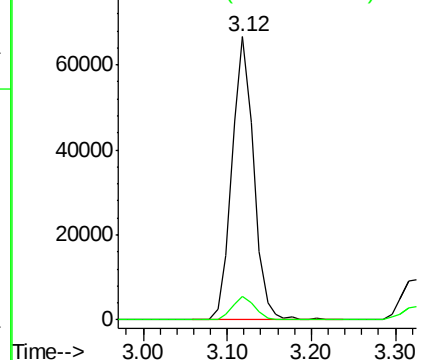
76 100

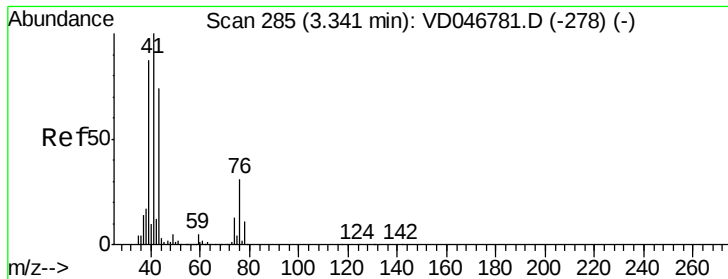
78 8.5 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC





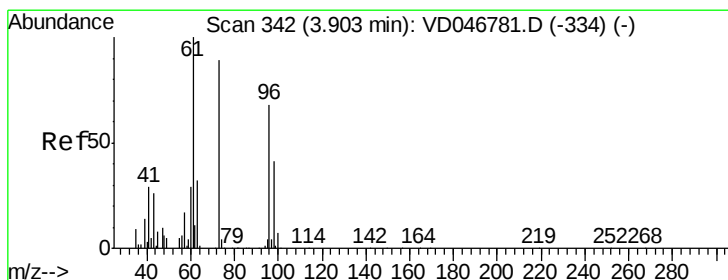
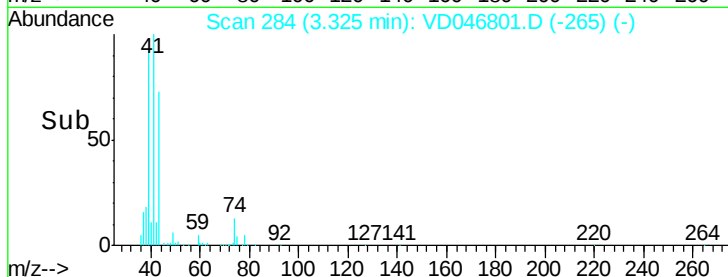
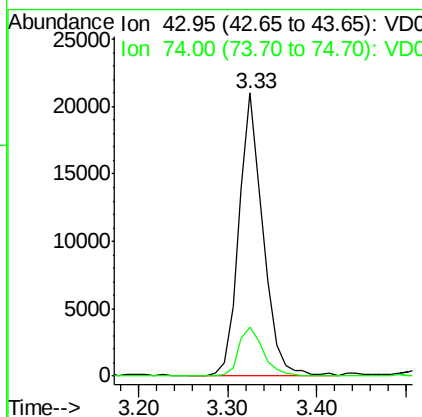
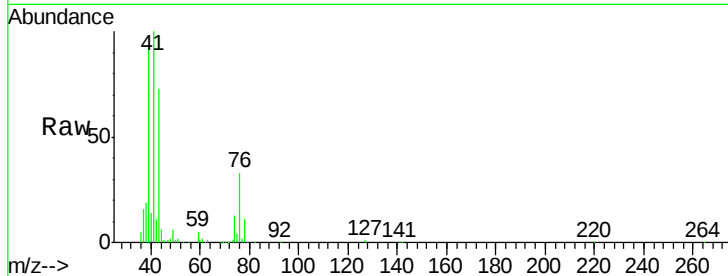
#19
Methvl Acetate
Concen: 19.57 ug/l
RT: 3.33 min Scan# 284
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
74	17.2	13.7	20.5

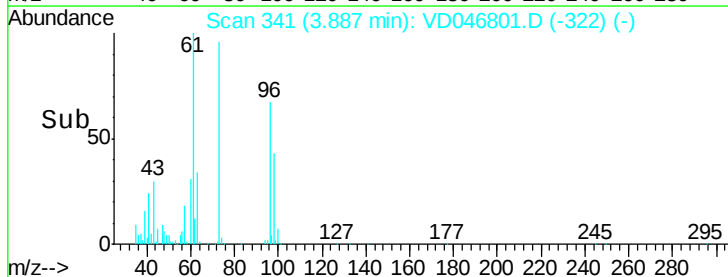
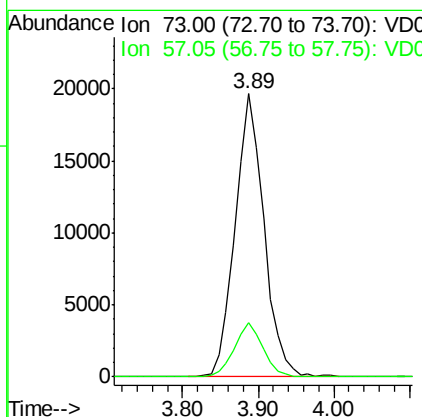
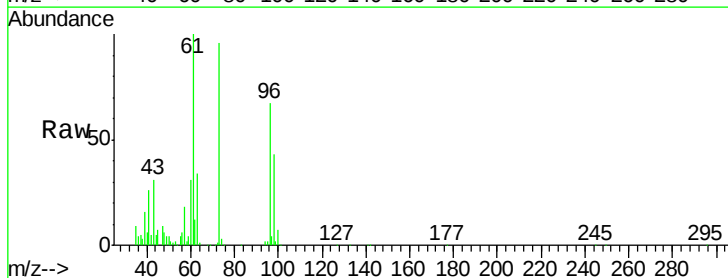
Manual Integrations
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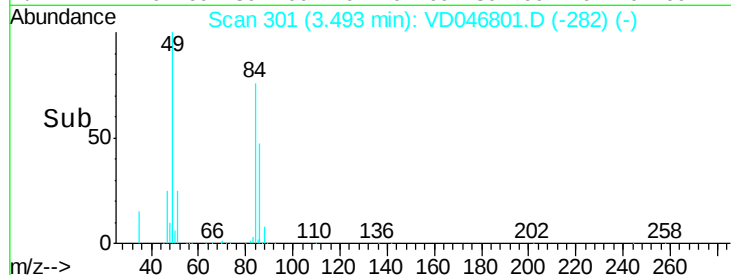
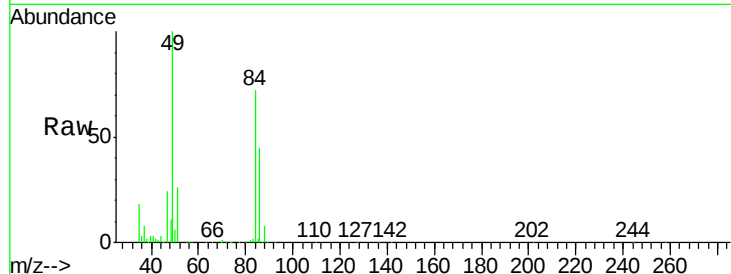
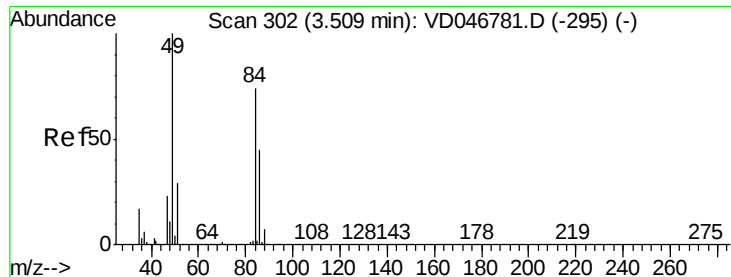
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#20
Methyl tert-butyl Ether
Concen: 20.87 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Tgt Ion	Ratio	Lower	Upper
73	100		
57	19.0	18.1	27.1





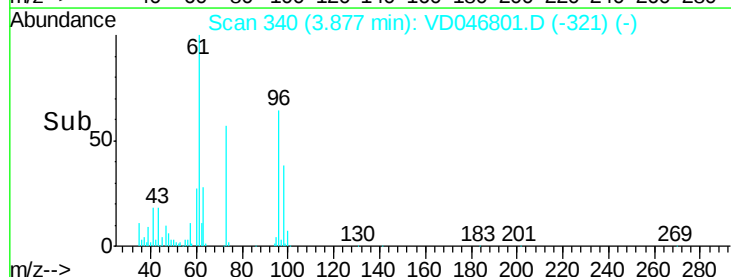
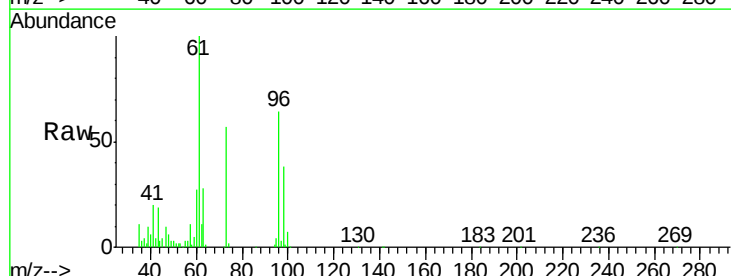
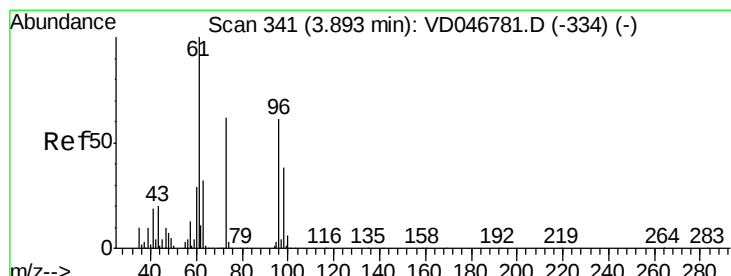
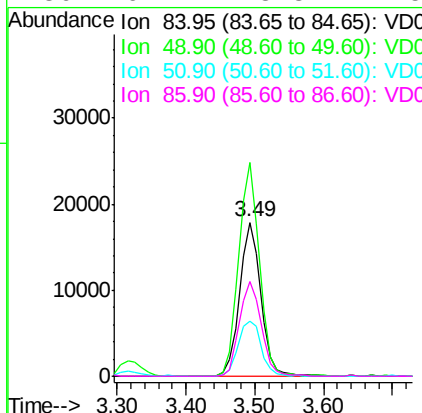
#21
Methvlene Chloride
Concen: 20.26 ug/l
RT: 3.49 min Scan# 301
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Tot Ion:	84	Resp:	38298
Ion Ratio	Lower	Upper	
84	100		
49	138.6	122.1	183.1
51	35.5	33.6	50.4
86	61.7	48.3	72.5

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

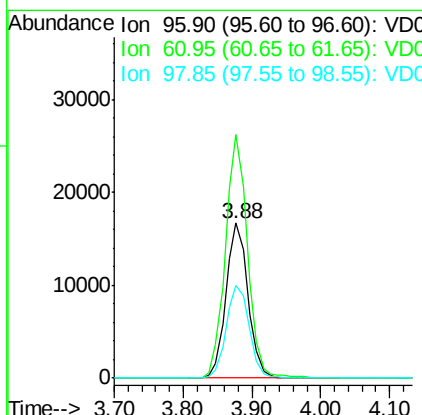
Manual Integrations
APPROVED

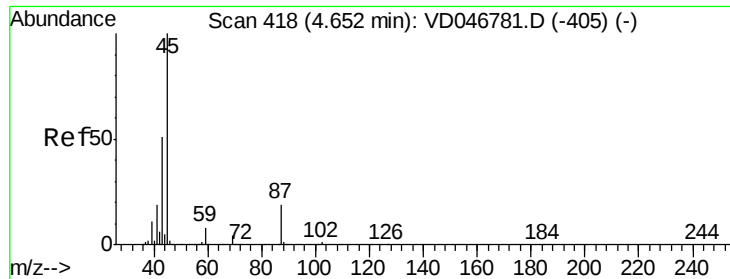
MMDadoda
9/22/2015 12:41:14 PM



#22
trans-1,2-Dichloroethene
Concen: 20.61 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Tgt Ion:	96	Resp:	36897
Ion Ratio	Lower	Upper	
96	100		
61	157.1	125.8	188.6
98	59.7	54.5	81.7





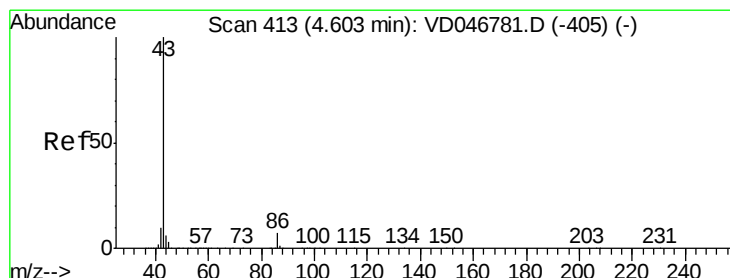
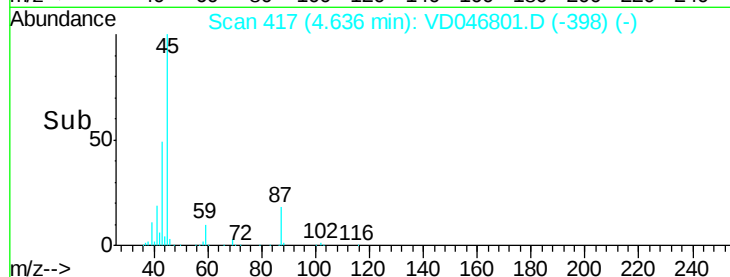
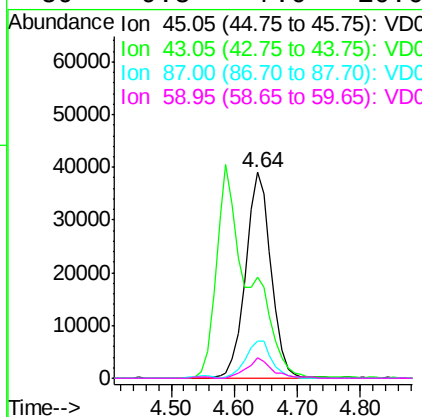
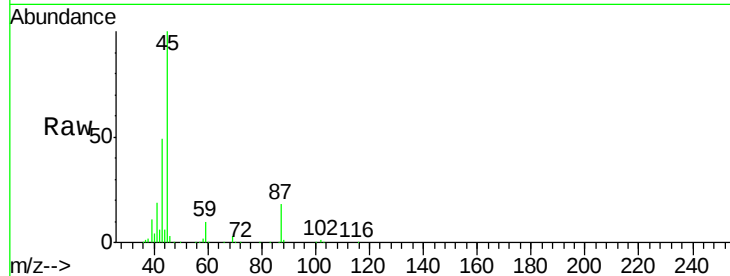
#23
Diisopropyl ether
Concen: 20.43 ug/l
RT: 4.64 min Scan# 417
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

Tot Ion	Ratio	Lower	Upper
45	100		
43	49.3	35.9	53.9
87	18.0	13.0	19.6
59	9.8	7.0	10.6

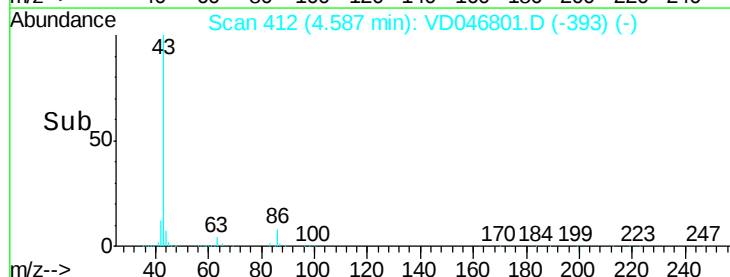
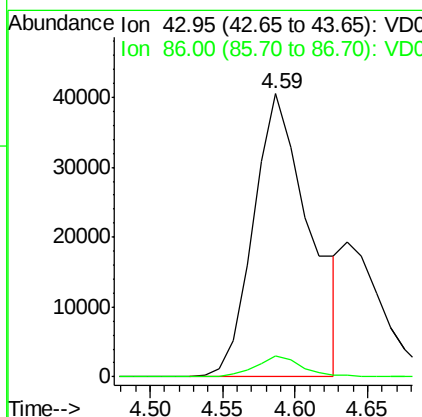
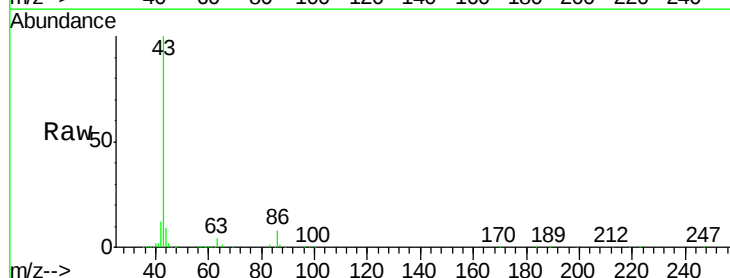
Manual Integrations
APPROVED

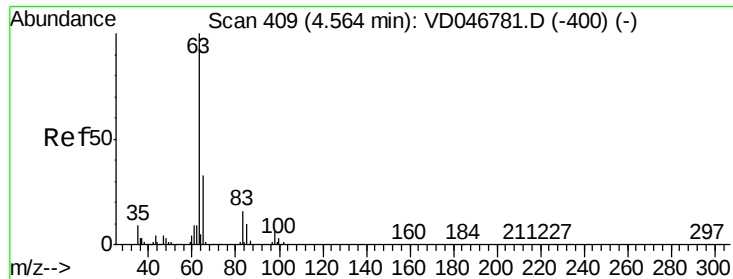
MMDadoda
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#24
Vinyl Acetate
Concen: 96.70 ug/l m
RT: 4.59 min Scan# 412
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.6	4.9	7.3#





#25

1,1-Dichloroethane

Concen: 20.57 ug/l

RT: 4.55 min Scan# 408

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

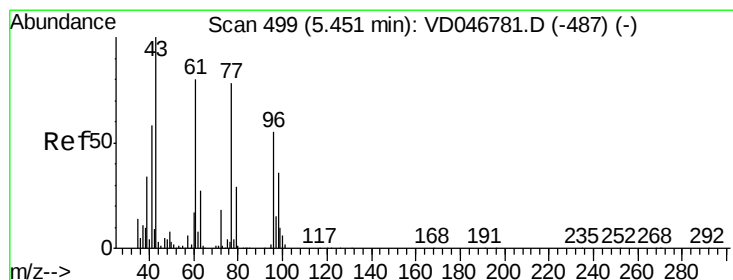
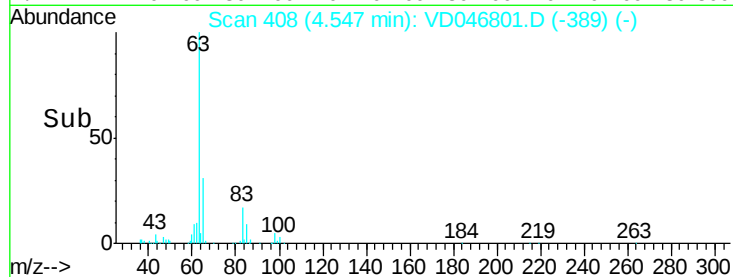
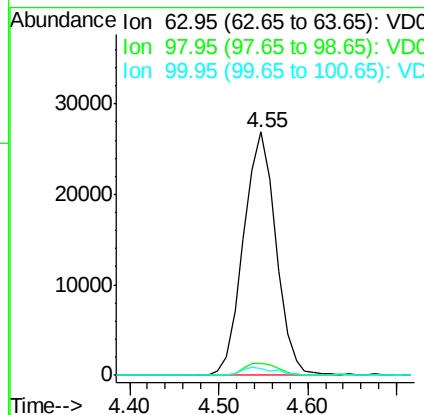
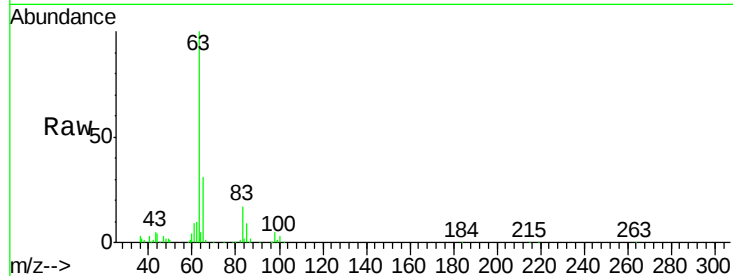
ClientSampleId :

VD0921SBS01

Tot Ion:	63	Resp:	67828
Ion Ratio	Lower	Upper	
63	100		
98	4.7	2.5	7.5
100	2.8	1.5	4.5

Manual Integrations
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9/22/2015 12:41:14 PM



#26

2-Butanone

Concen: 101.54 ug/l

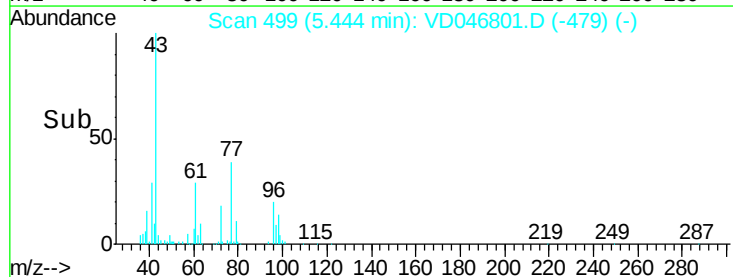
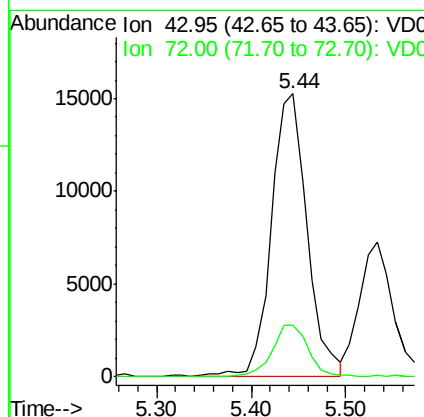
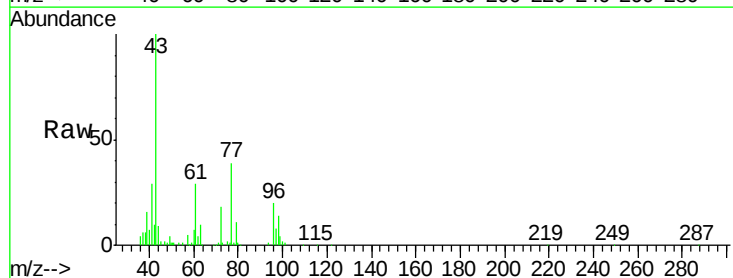
RT: 5.44 min Scan# 499

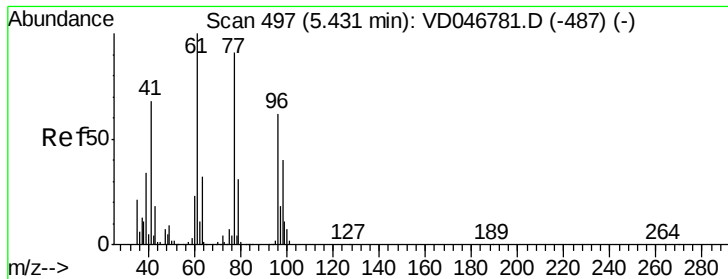
Delta R.T. -0.01 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Tgt Ion:	43	Resp:	39736
Ion Ratio	Lower	Upper	
43	100		
72	18.1	13.4	20.0





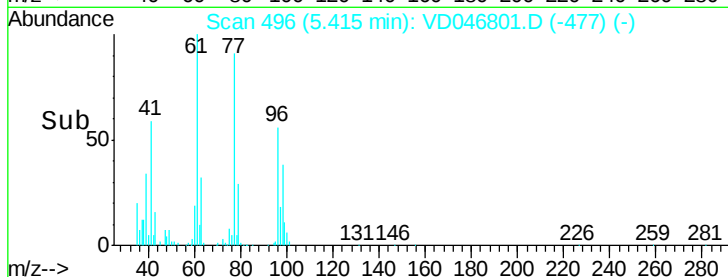
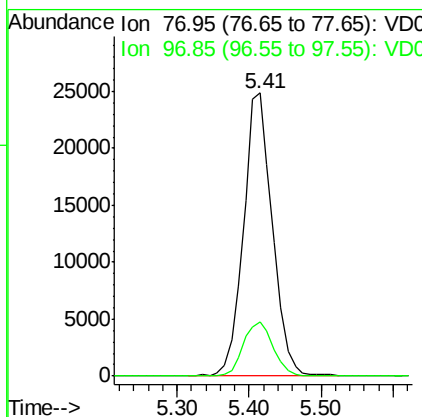
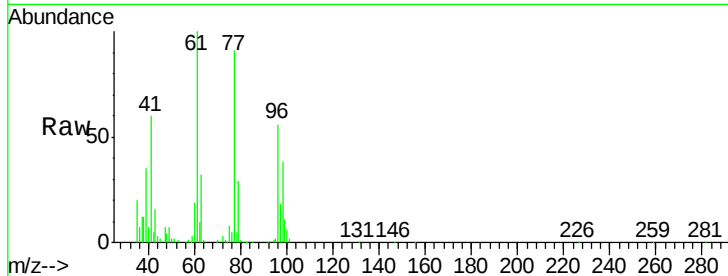
#27
 2,2-Dichloropropane
 Concen: 20.50 ug/l
 RT: 5.41 min Scan# 496
 Delta R.T. -0.02 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion: 77 Resp: 69427
 Ion Ratio Lower Upper
 77 100
 97 19.3 10.4 31.1

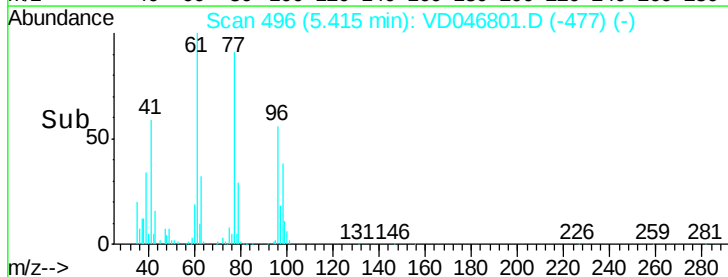
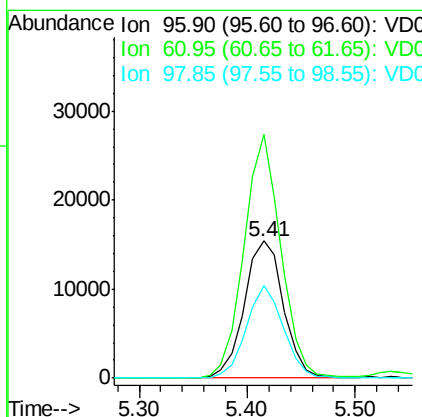
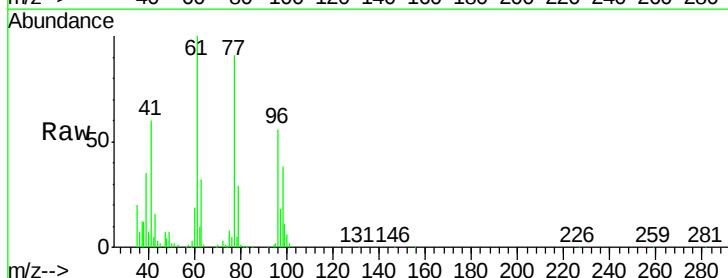
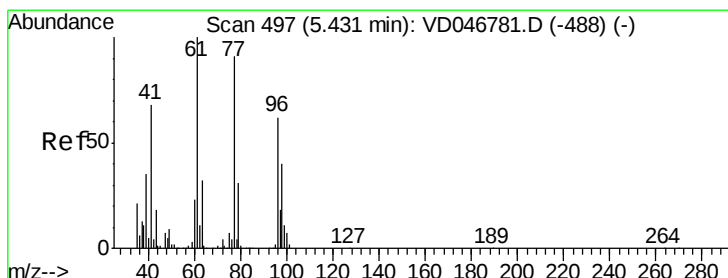
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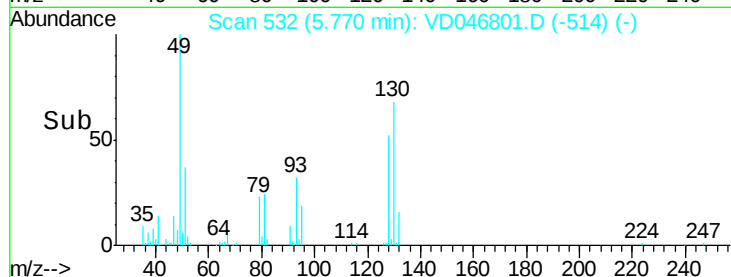
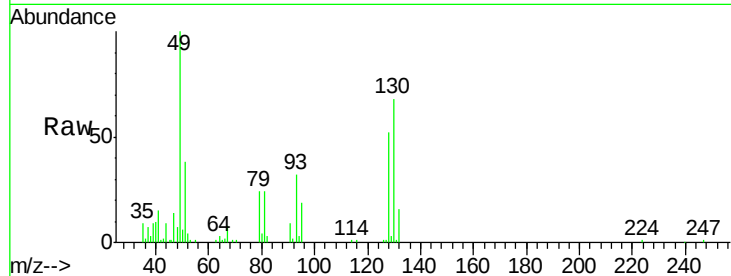
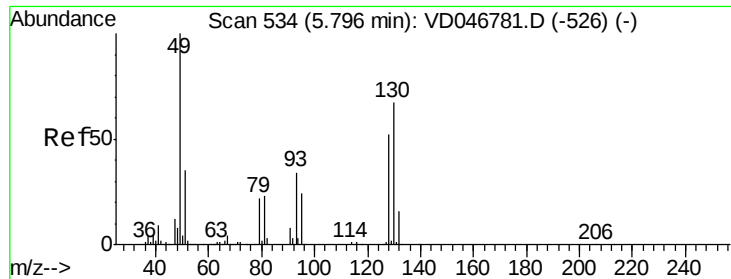
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#28
 cis-1,2-Dichloroethene
 Concen: 20.67 ug/l
 RT: 5.41 min Scan# 496
 Delta R.T. -0.02 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

Tgt Ion: 96 Resp: 38530
 Ion Ratio Lower Upper
 96 100
 61 177.6 0.0 348.0
 98 67.4 0.0 128.8





#29

Bromochloromethane

Concen: 20.83 ug/l

RT: 5.77 min Scan# 532

Delta R.T. -0.03 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Tot Ion	49	Ratio	Lower	Upper
49	100			
129	3.4	0.0	2.8	
130	68.3	50.2	75.4	

Instrument :

MSVOA_D

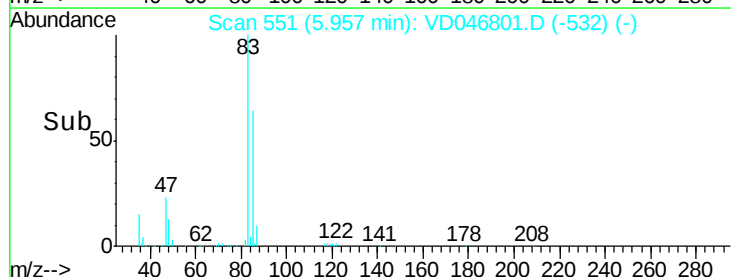
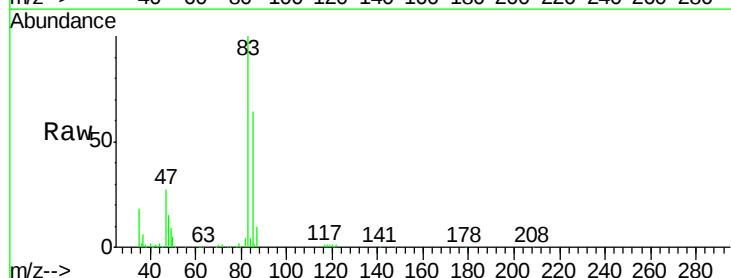
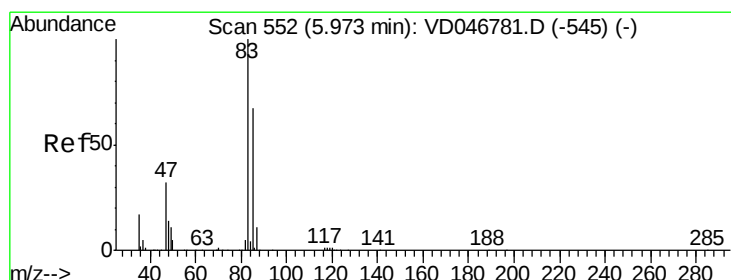
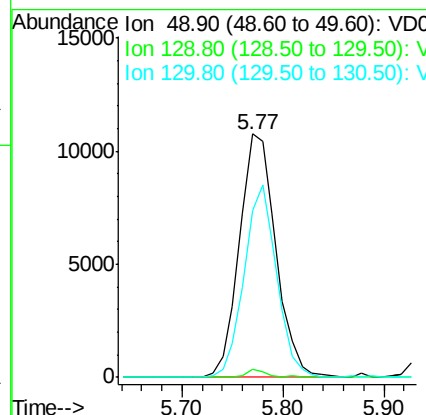
ClientSampleId :

VD0921SBS01

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#30

Chloroform

Concen: 20.70 ug/l

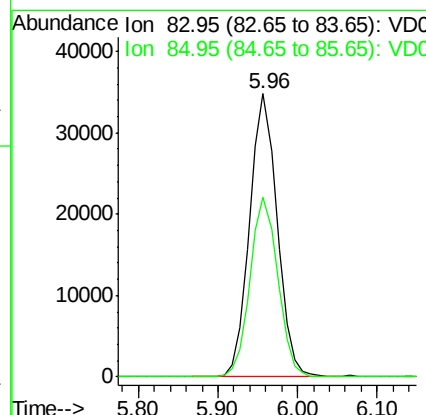
RT: 5.96 min Scan# 551

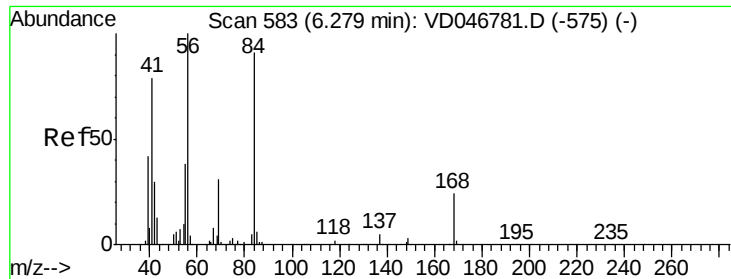
Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Tgt Ion	83	Ratio	Lower	Upper
83	100			
85	63.5	52.5	78.7	





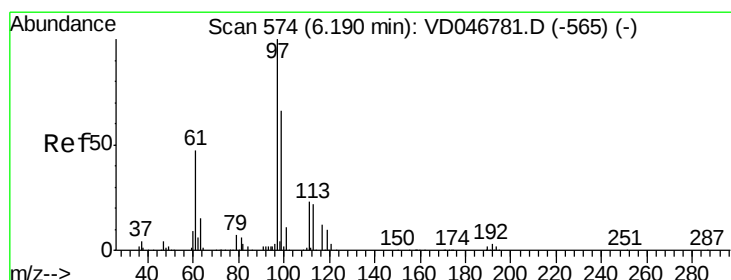
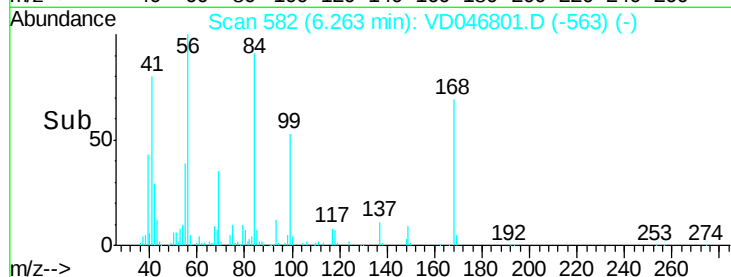
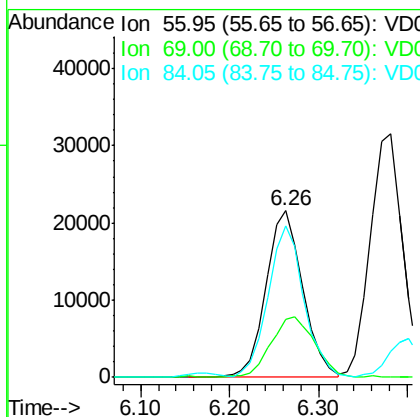
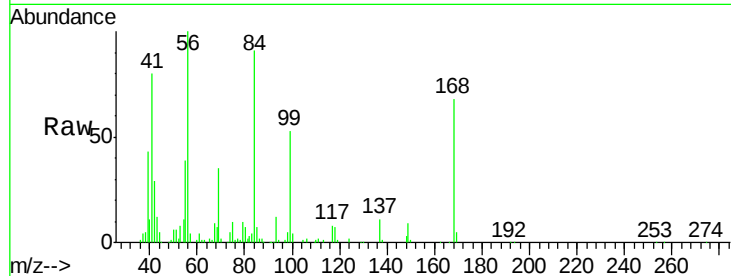
#31
Cyclohexane
Concen: 19.98 ug/l
RT: 6.26 min Scan# 582
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.9	23.4	35.0
84	91.1	63.8	95.8

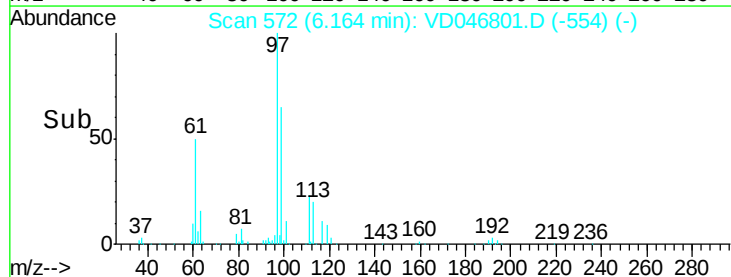
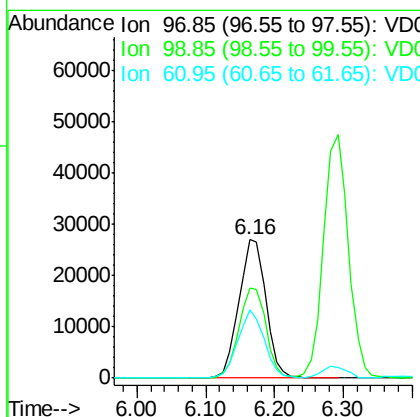
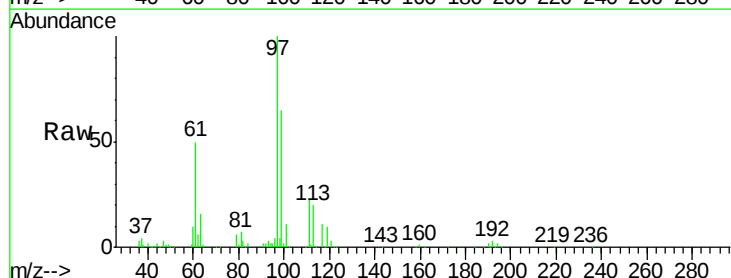
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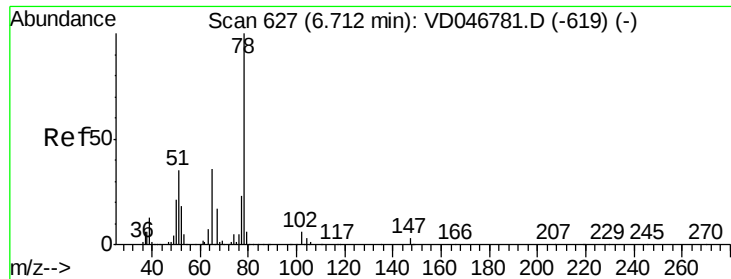
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#32
1,1,1-Trichloroethane
Concen: 20.80 ug/l
RT: 6.16 min Scan# 572
Delta R.T. -0.03 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	50.2	75.4
61	49.6	38.6	57.8





#33

1,2-Dichloroethane-d4

Concen: 20.80 ug/l

RT: 6.70 min Scan# 626

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 65 Resp: 111572

Ion Ratio Lower Upper

65 100

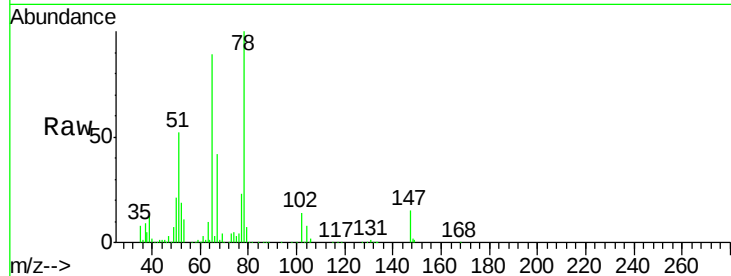
67 47.5 0.0 105.4

Manual Integrations

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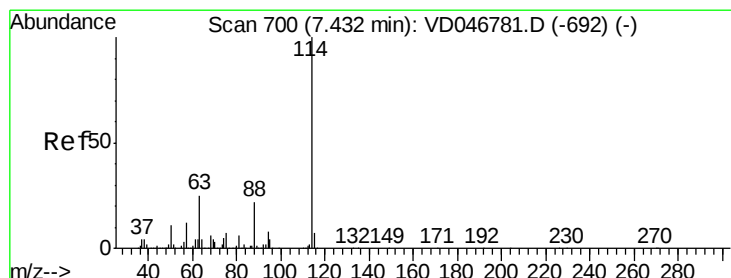
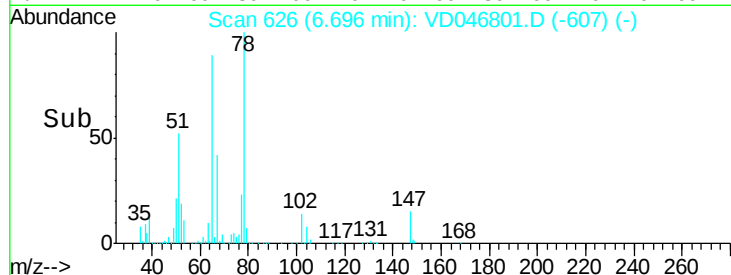
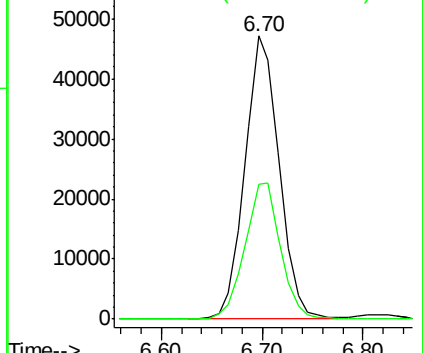
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Abundance Ion 64.95 (64.65 to 65.65): VDC

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: VD046801.D

Acq: 21 Sep 2015 12:34

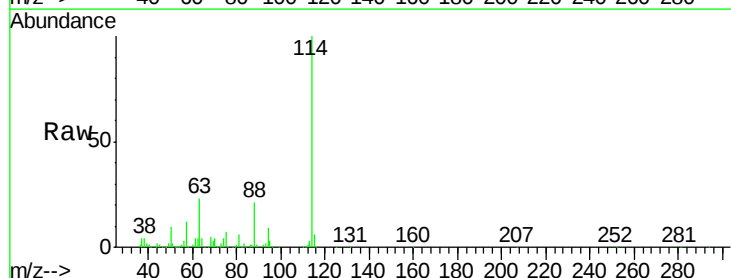
Tgt Ion: 114 Resp: 249022

Ion Ratio Lower Upper

114 100

63 23.4 0.0 49.8

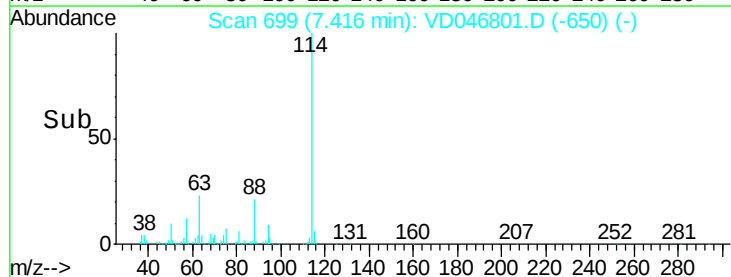
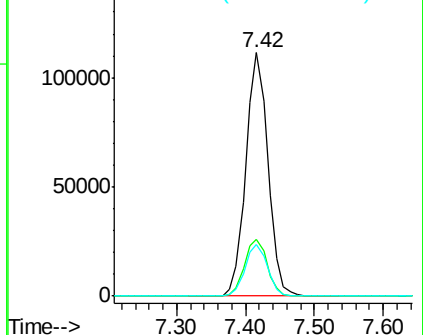
88 21.4 0.0 43.6

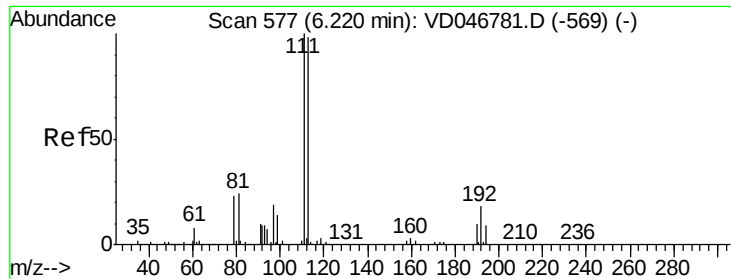


Abundance Ion 114.00 (113.70 to 114.70): V

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: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

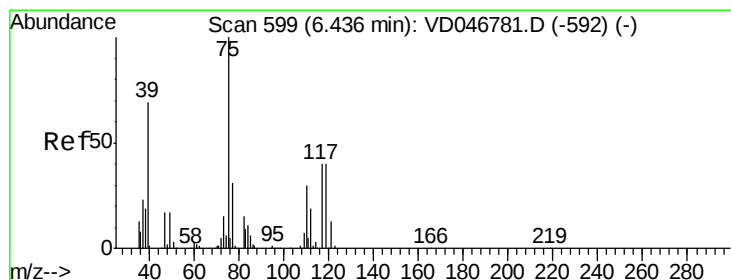
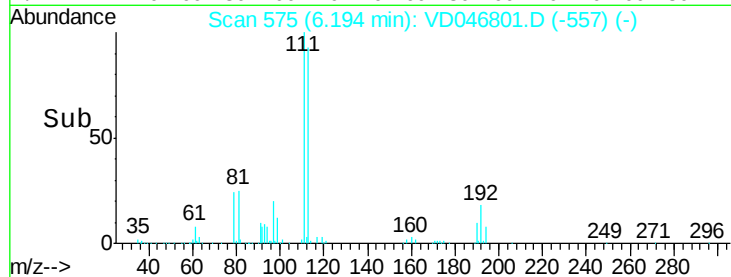
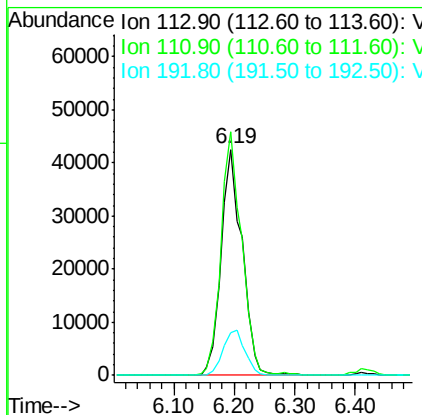
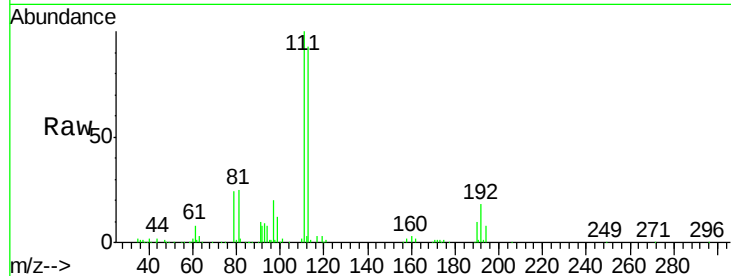
ClientSampleId :

VD0921SBS01

Tot Ion:	113	Resp:	102786
Ion Ratio	Lower	Upper	
113	100		
111	107.6	79.4	119.0
192	18.8	14.6	22.0

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#36

1,1-Dichloropropene

Concen: 20.65 ug/l

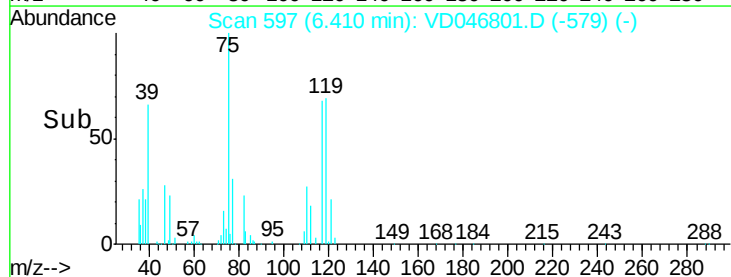
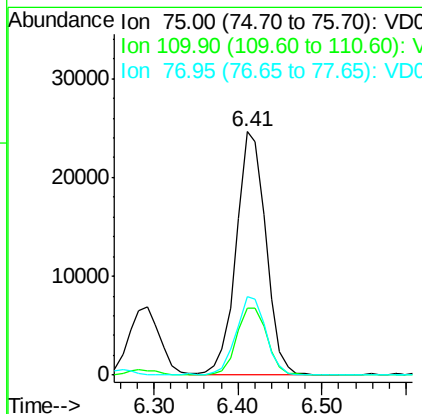
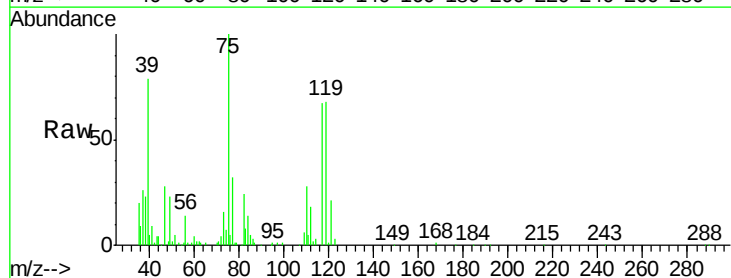
RT: 6.41 min Scan# 597

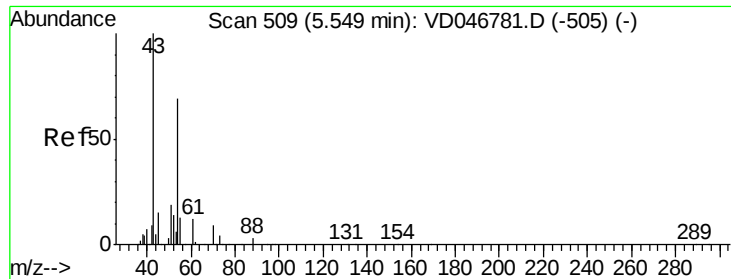
Delta R.T. -0.03 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Tgt Ion:	75	Resp:	60085
Ion Ratio	Lower	Upper	
75	100		
110	27.6	13.7	41.0
77	32.1	24.7	37.1





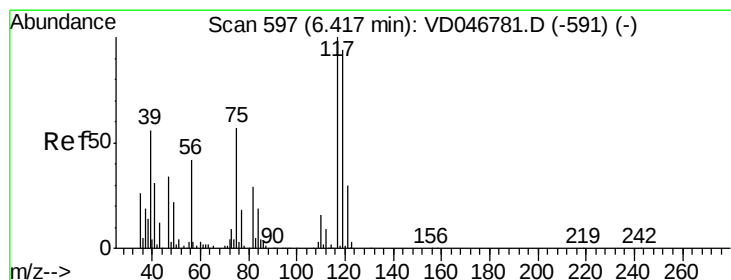
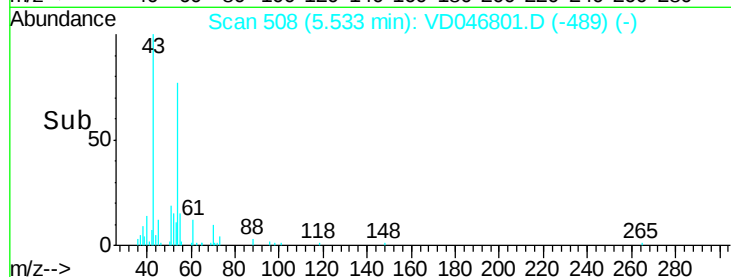
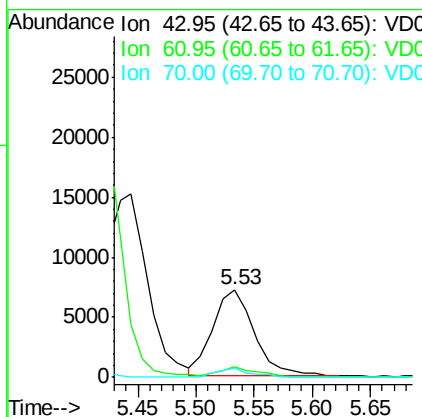
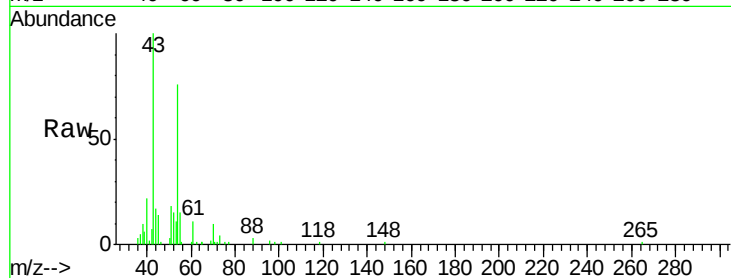
#37
Ethyl Acetate
Concen: 19.01 ug/l
RT: 5.53 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.4	9.4	14.2
70	10.0	6.0	9.0

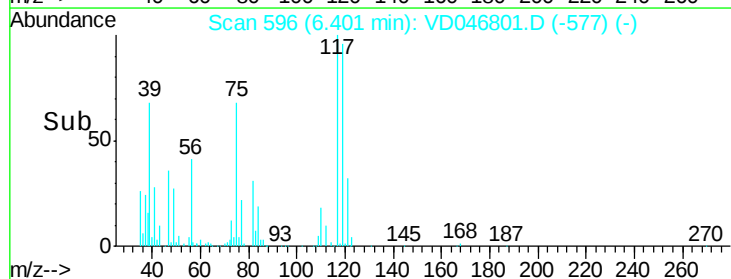
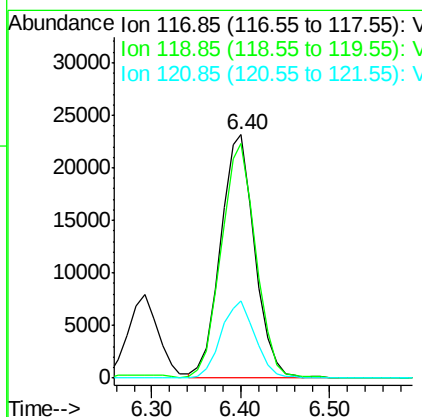
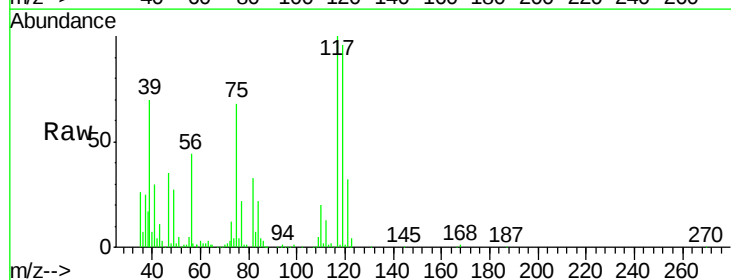
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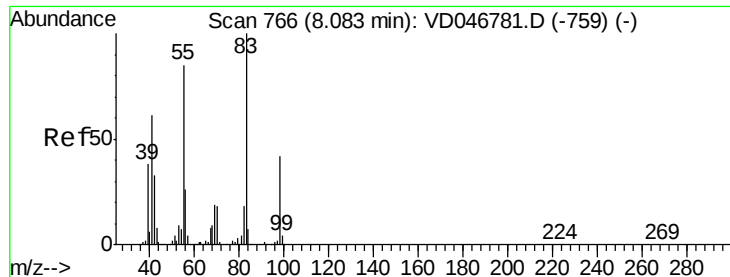
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.63 ug/l
RT: 6.40 min Scan# 596
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.2	114.4
121	31.9	24.5	36.7





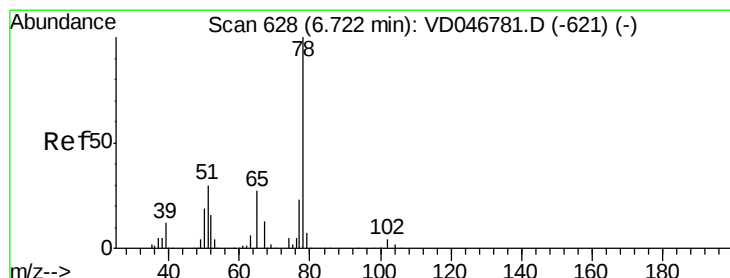
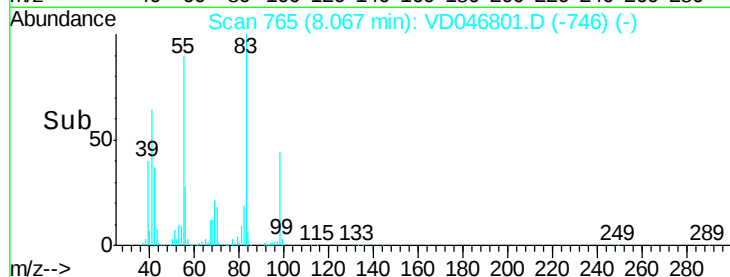
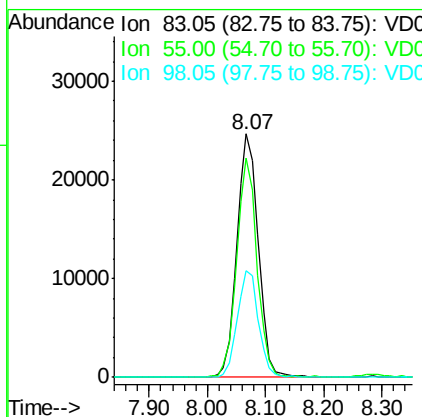
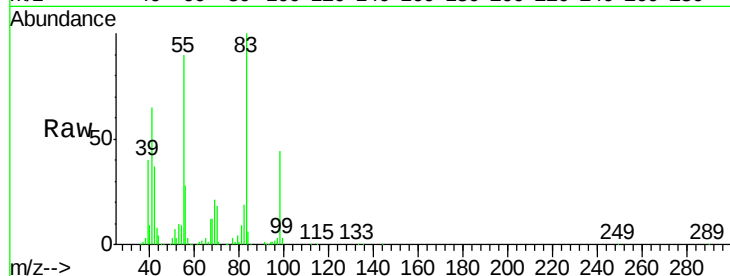
#39
Methvlcvclohexane
Concen: 21.27 ug/l
RT: 8.07 min Scan# 765
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.2	71.1	106.7
98	43.6	34.6	51.8

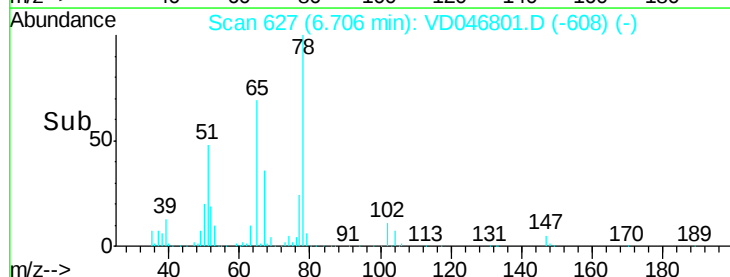
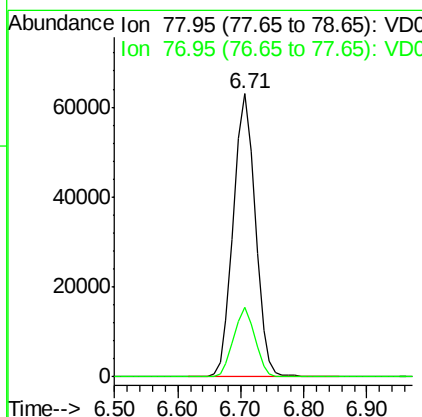
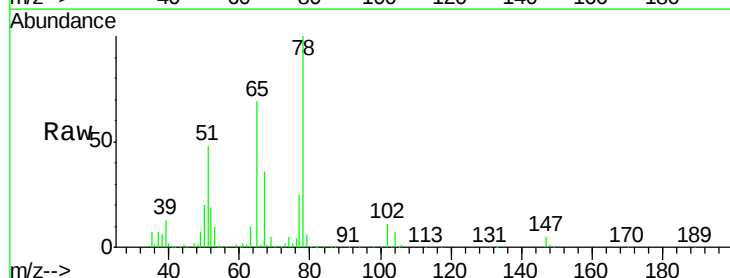
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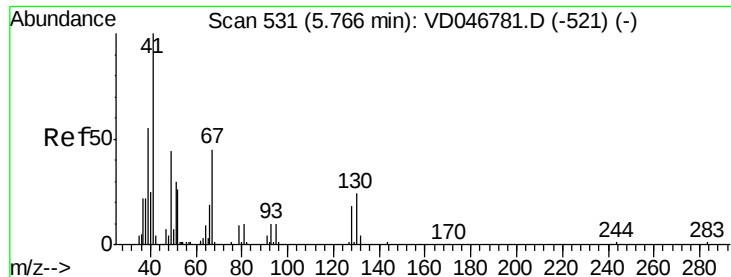
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#40
Benzene
Concen: 20.52 ug/l
RT: 6.71 min Scan# 627
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.9	29.9





#41

Methacrylonitrile

Concen: 20.17 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

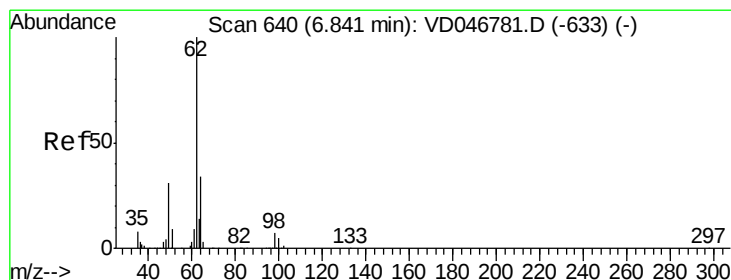
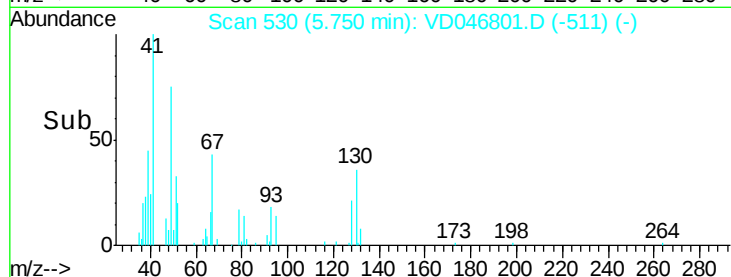
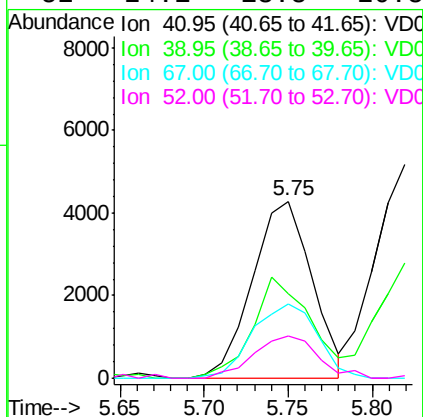
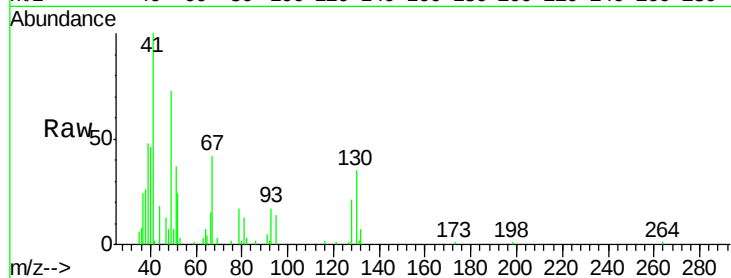
ClientSampleId :

VD0921SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	48.1	40.2	60.4	
67	41.8	32.0	48.0	
52	24.1	13.8	20.8	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.79 ug/l

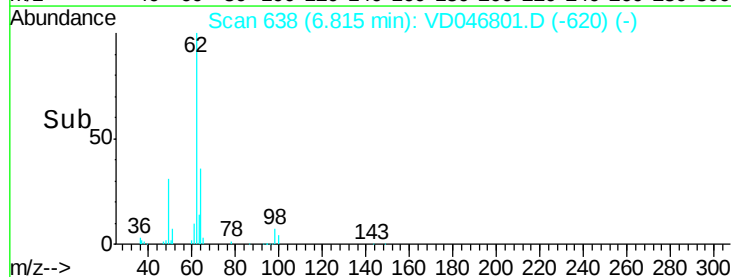
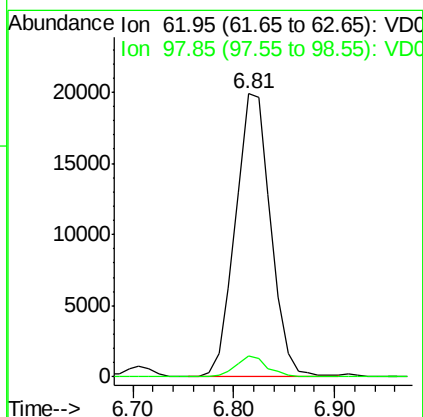
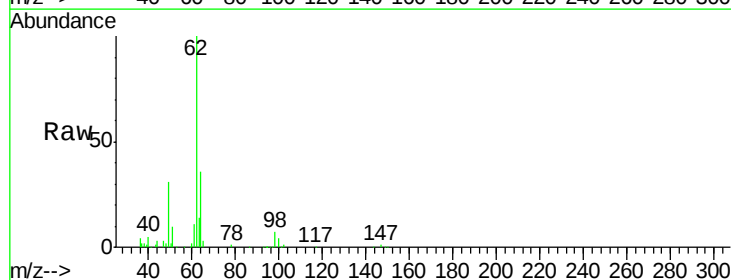
RT: 6.81 min Scan# 638

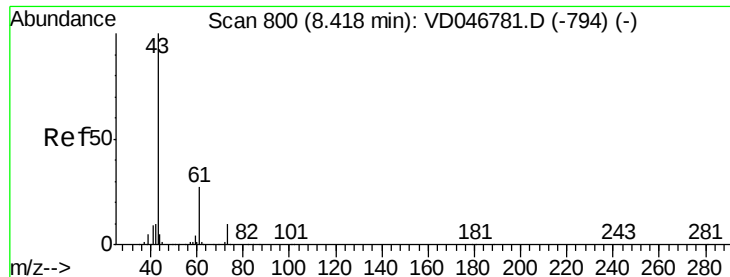
Delta R.T. -0.03 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.4	0.0	16.2	





#43

Isopropyl Acetate

Concen: 19.24 ug/l

RT: 8.39 min Scan# 798

Delta R.T. -0.03 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

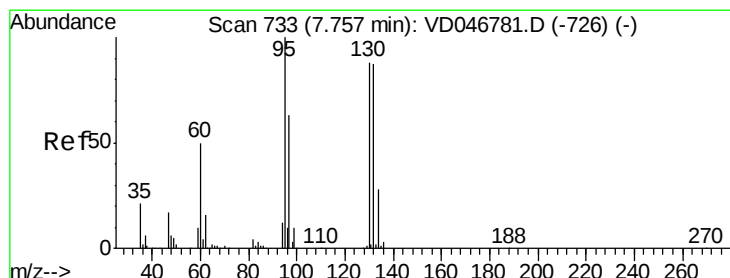
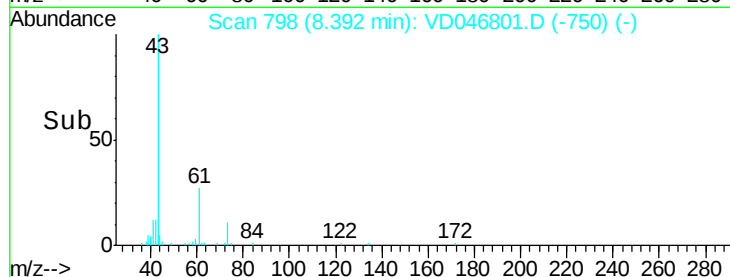
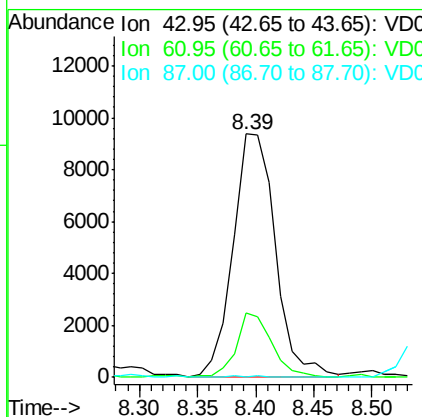
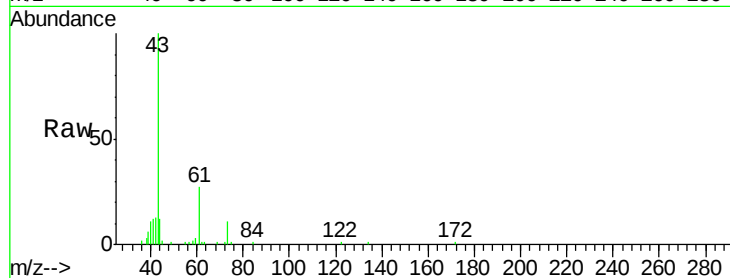
ClientSampleId :

VD0921SBS01

Tot Ion:	43	Resp:	23704
Ion	Ratio	Lower	Upper
43	100		
61	26.6	19.5	29.3
87	0.0	0.2	0.2#

Manual Integrations
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#44

Trichloroethene

Concen: 20.36 ug/l

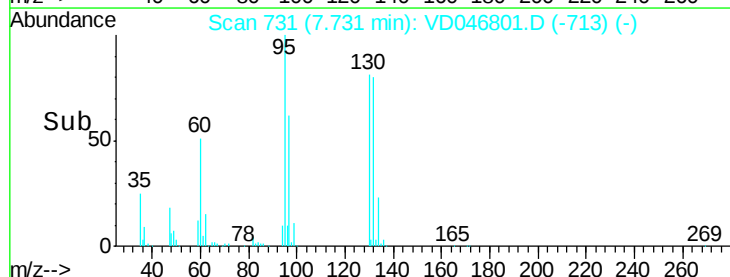
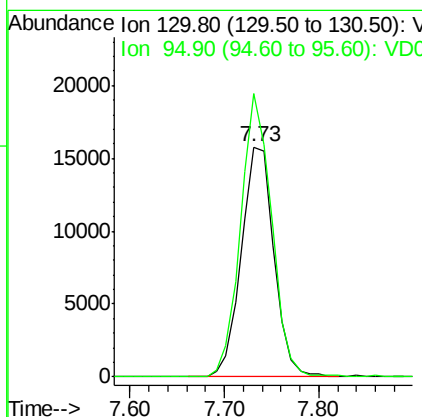
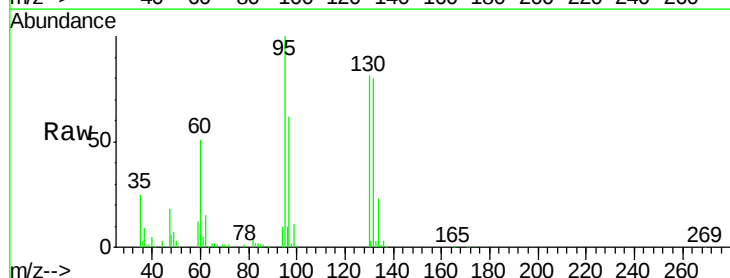
RT: 7.73 min Scan# 731

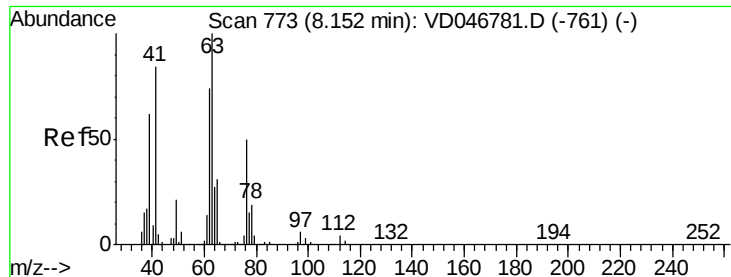
Delta R.T. -0.03 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Tgt Ion:	130	Resp:	37860
Ion	Ratio	Lower	Upper
130	100		
95	123.0	0.0	229.4





#45

1,2-Dichloropropane

Concen: 20.50 ug/l

RT: 8.13 min Scan# 771

Delta R.T. -0.03 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 63 Resp: 37734

Ion Ratio Lower Upper

63 100

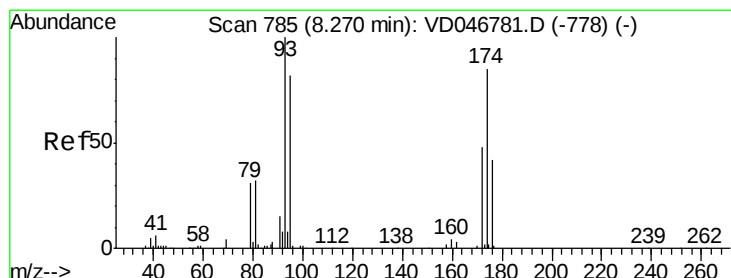
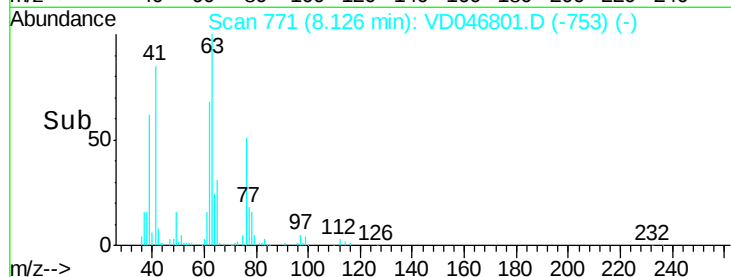
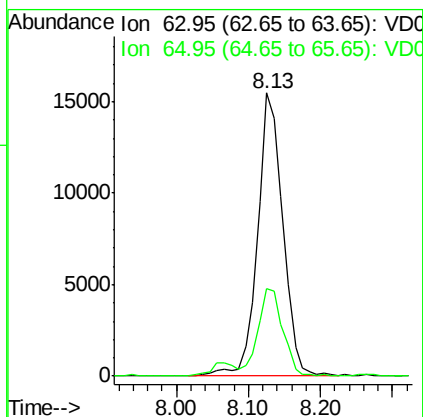
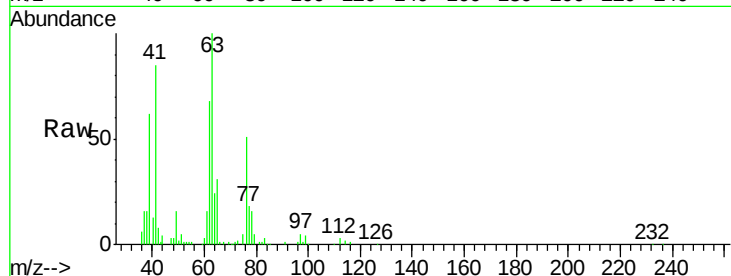
65 30.7 25.1 37.7

Manual Integrations

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#46

Dibromomethane

Concen: 20.35 ug/l

RT: 8.25 min Scan# 784

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

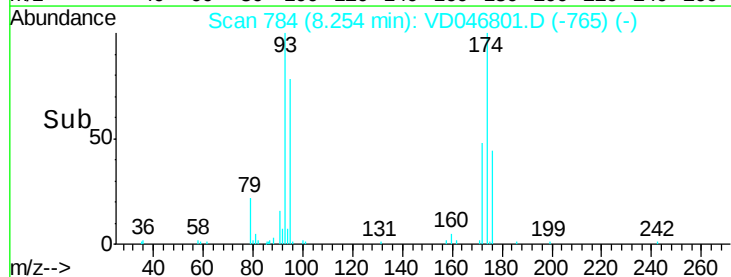
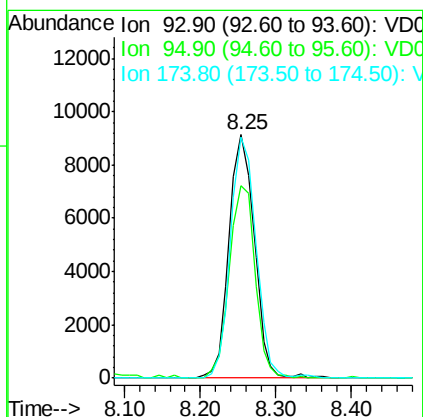
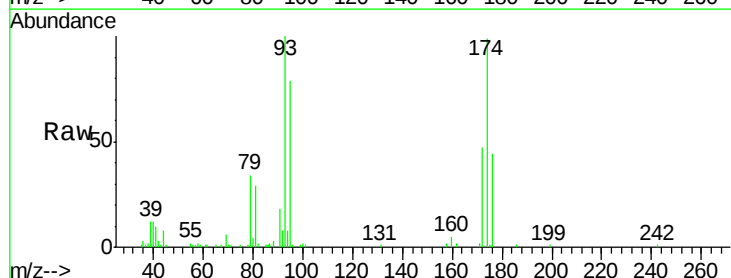
Tgt Ion: 93 Resp: 21264

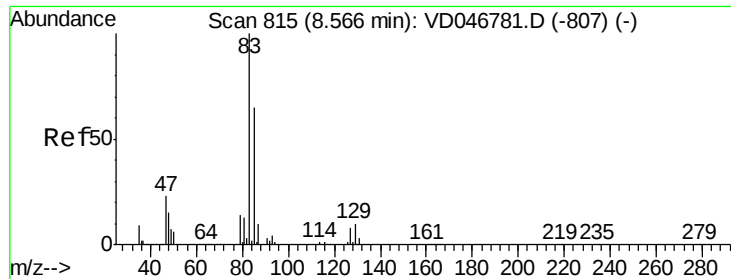
Ion Ratio Lower Upper

93 100

95 79.1 70.2 105.2

174 98.9 79.0 118.4





#47

Bromodichloromethane

Concen: 20.16 ug/l

RT: 8.55 min Scan# 814

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

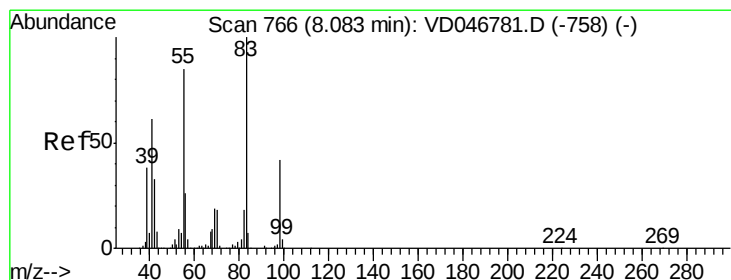
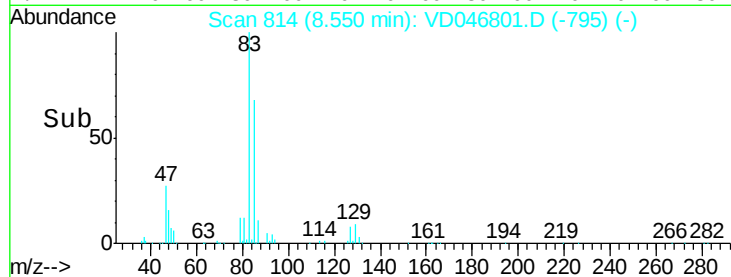
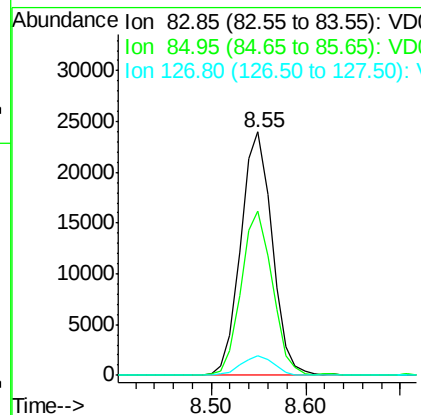
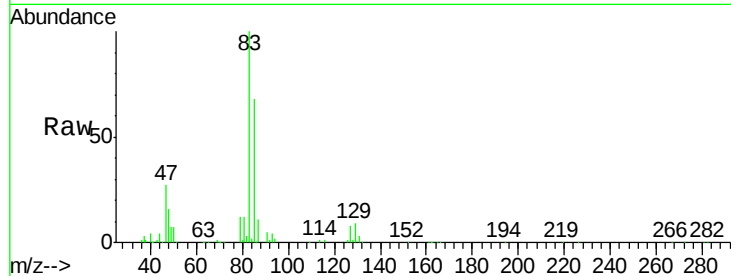
ClientSampleId :

VD0921SBS01

Tot Ion:	83	Resp:	55302
Ion Ratio	Lower	Upper	
83	100		
85	67.6	52.6	78.8
127	8.3	5.7	8.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.19 ug/l

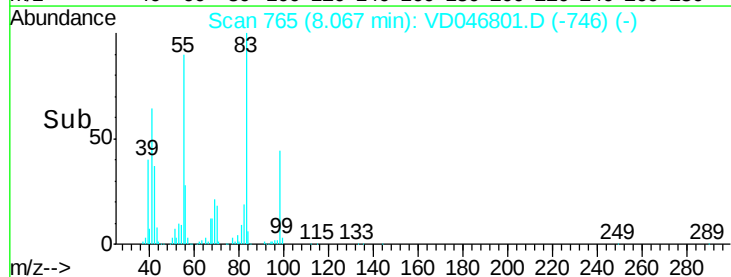
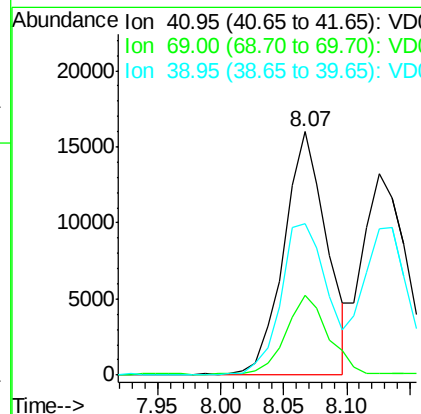
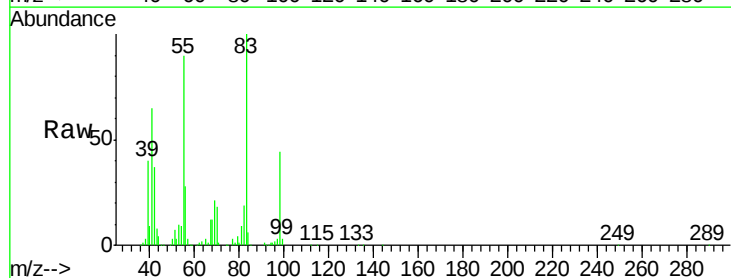
RT: 8.07 min Scan# 765

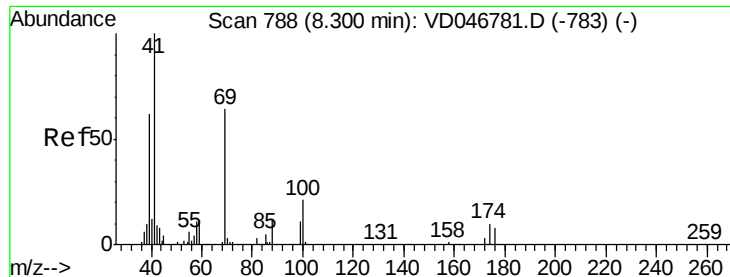
Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Tgt Ion:	41	Resp:	38039
Ion Ratio	Lower	Upper	
41	100		
69	32.8	25.3	37.9
39	62.0	47.4	71.0





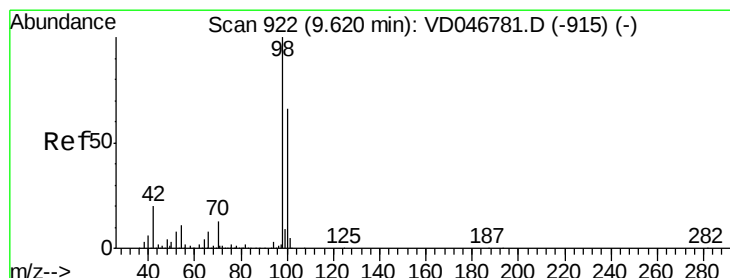
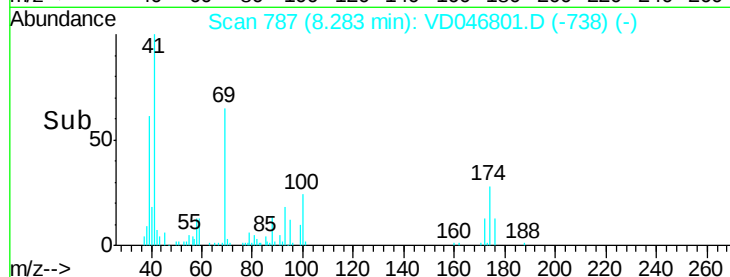
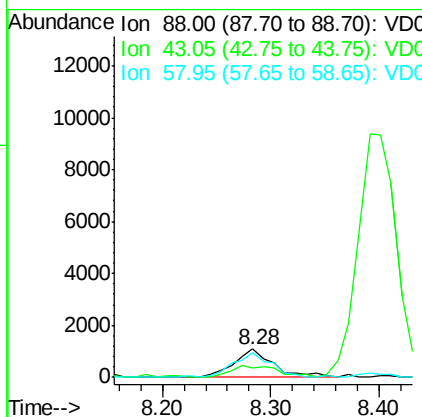
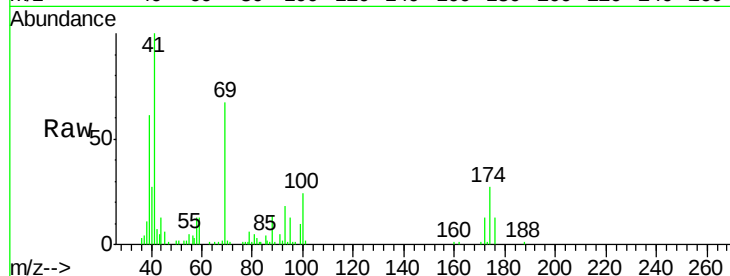
#49
1,4-Dioxane
Concen: 396.74 ug/l
RT: 8.28 min Scan# 787
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.3	50.0	75.0#
58	86.7	48.3	72.5#

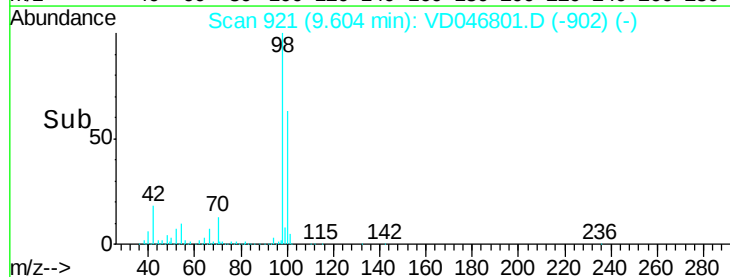
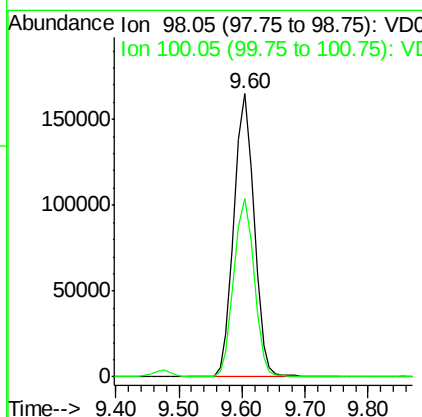
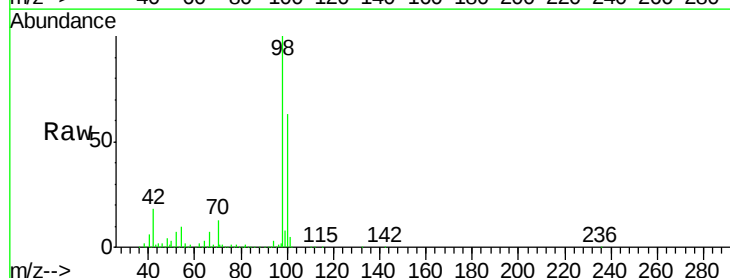
Manual Integrations
APPROVED

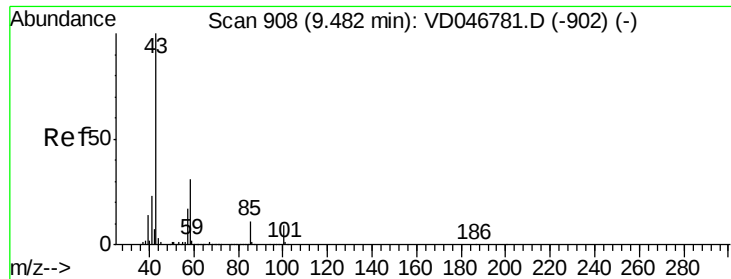
MMDadoda
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#50
Toluene-d8
Concen: 396.74 ug/l
RT: 9.60 min Scan# 921
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	49.9	74.9





#51

4-Methyl-2-Pentanone

Concen: 100.95 ug/l

RT: 9.47 min Scan# 907

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 43 Resp: 89884

Ion Ratio Lower Upper

43 100

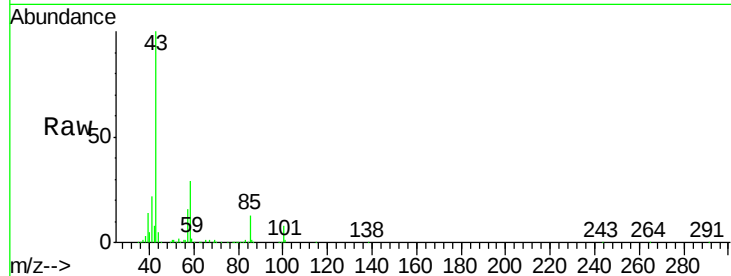
58 29.1 22.2 33.2

Manual Integrations

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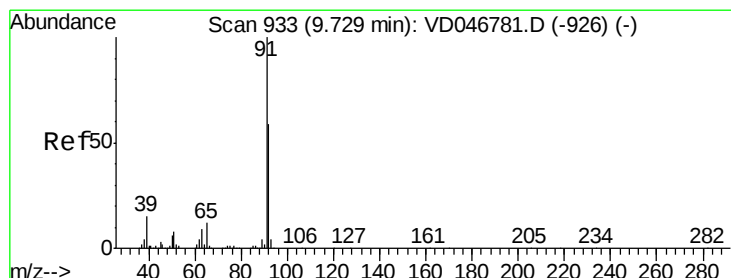
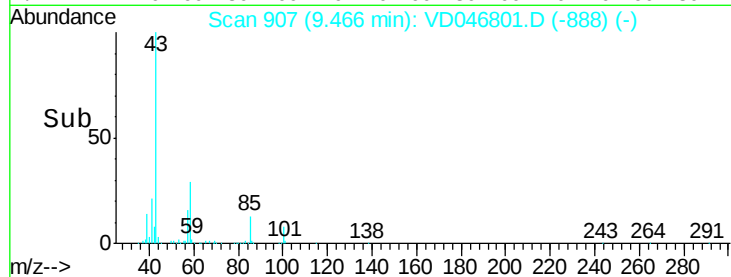
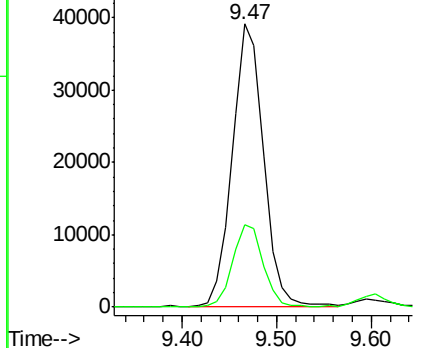
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.85 ug/l

RT: 9.70 min Scan# 931

Delta R.T. -0.03 min

Lab File: VD046801.D

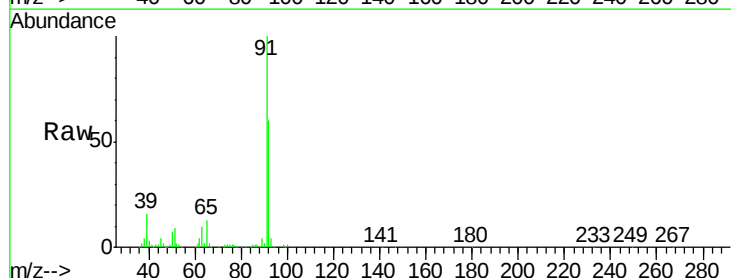
Acq: 21 Sep 2015 12:34

Tgt Ion: 92 Resp: 100113

Ion Ratio Lower Upper

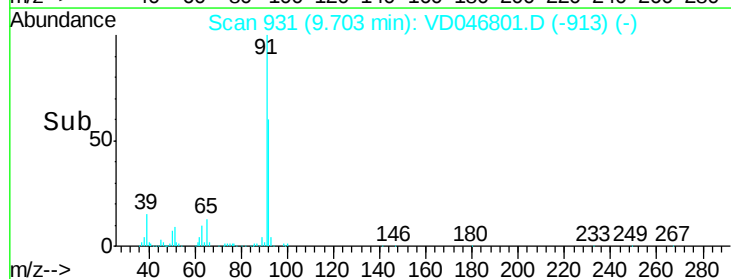
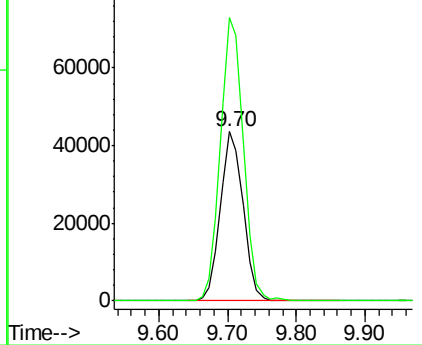
92 100

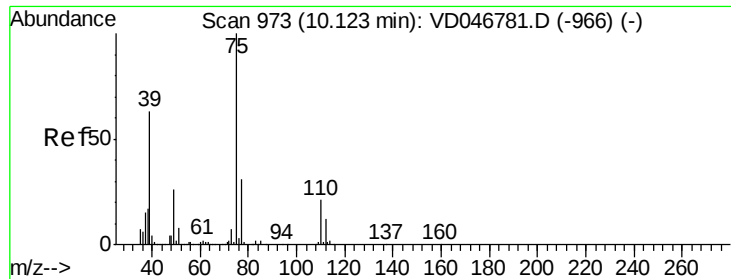
91 167.5 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





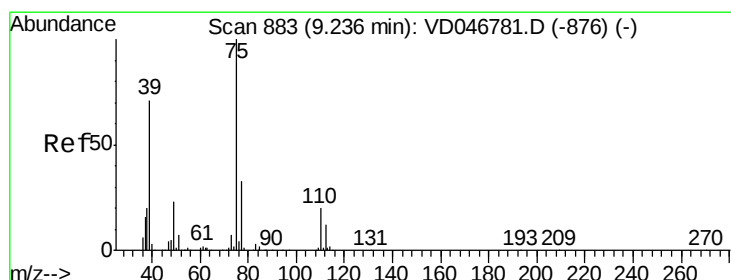
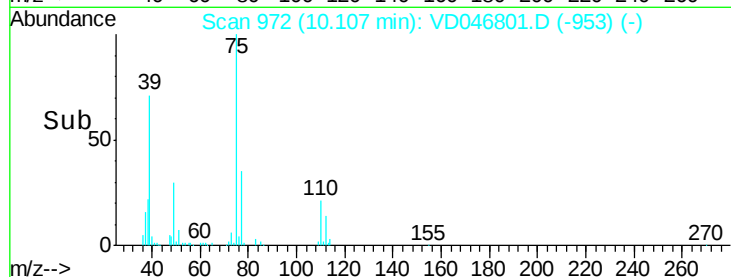
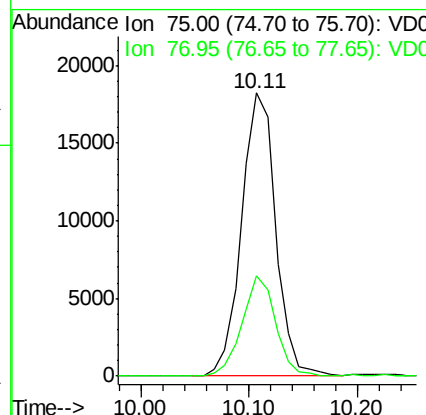
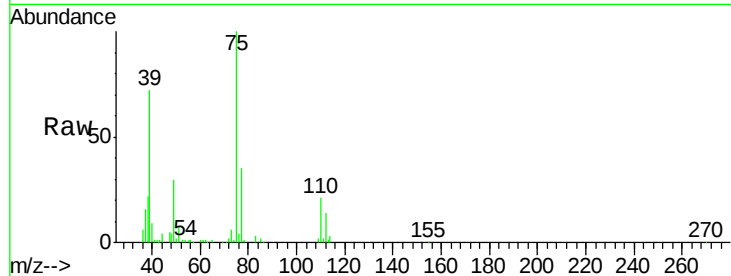
#53
 t-1,3-Dichloropropene
 Concen: 19.81 ug/l
 RT: 10.11 min Scan# 972
 Delta R.T. -0.02 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion: 75 Resp: 40117
 Ion Ratio Lower Upper
 75 100
 77 35.5 27.6 41.4

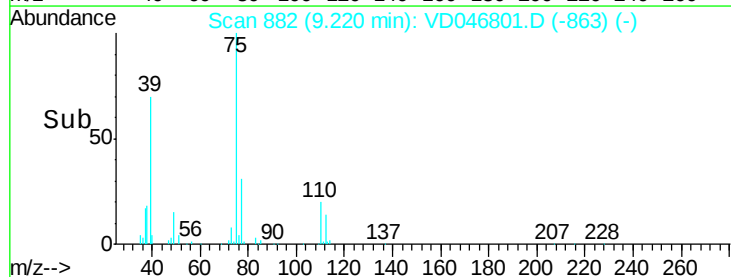
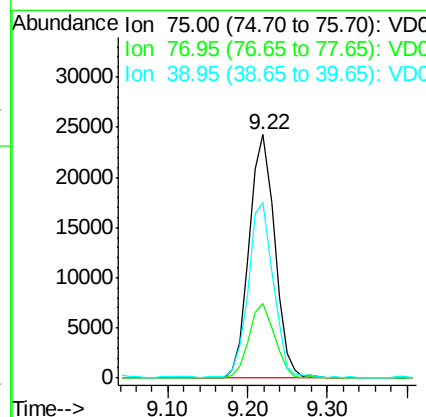
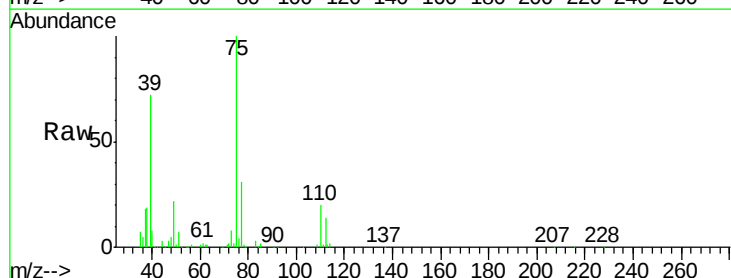
Manual Integrations
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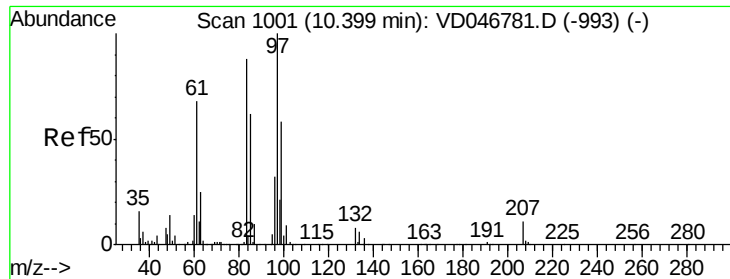
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#54
 cis-1,3-Dichloropropene
 Concen: 20.65 ug/l
 RT: 9.22 min Scan# 882
 Delta R.T. -0.02 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

Tgt Ion: 75 Resp: 53865
 Ion Ratio Lower Upper
 75 100
 77 30.6 23.8 35.6
 39 72.3 53.0 79.6





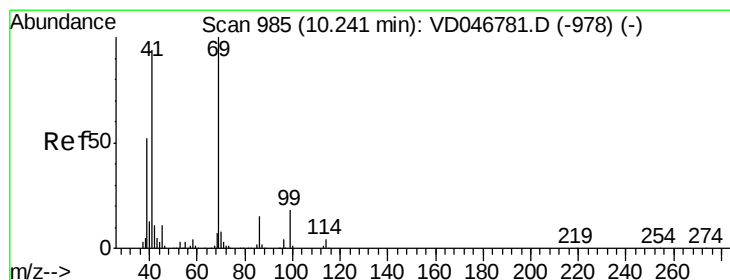
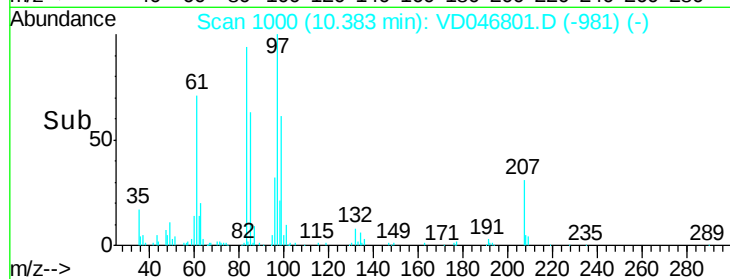
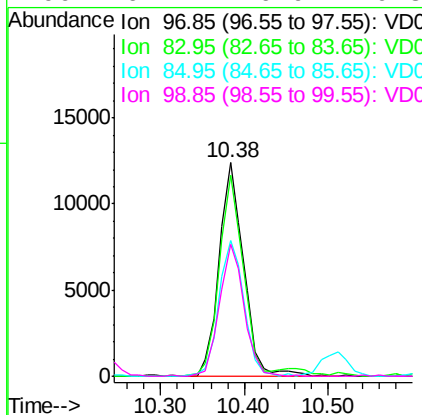
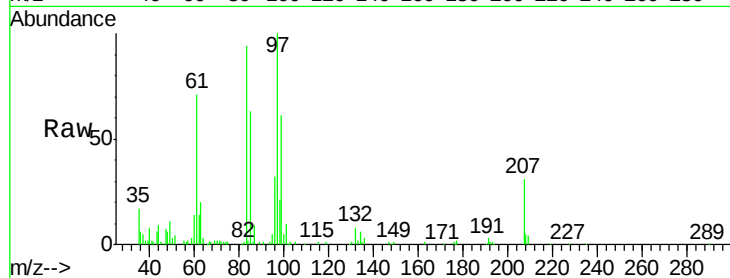
#55
 1,1,2-Trichloroethane
 Concen: 21.14 ug/l
 RT: 10.38 min Scan# 1000
 Delta R.T. -0.02 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	93.9	75.3	112.9
85	63.3	50.9	76.3
99	61.4	46.9	70.3

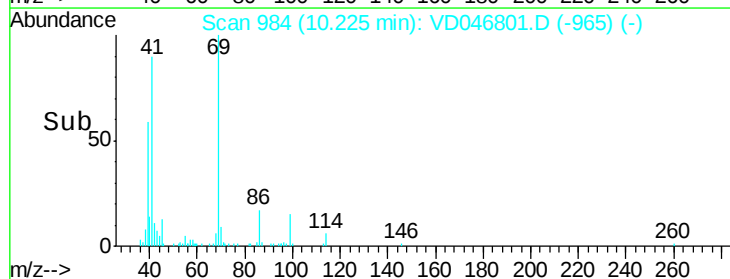
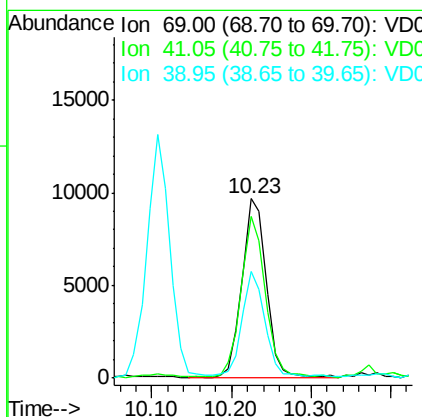
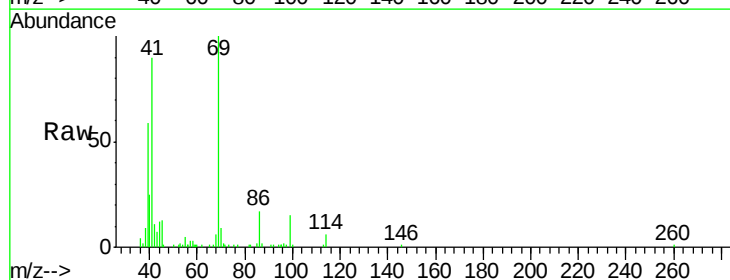
Manual Integrations
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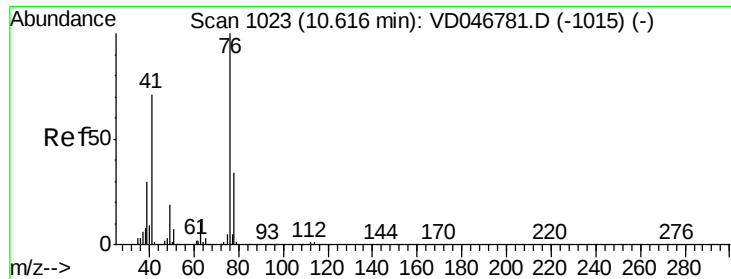
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#56
 Ethyl methacrylate
 Concen: 19.43 ug/l
 RT: 10.23 min Scan# 984
 Delta R.T. -0.02 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

Tgt Ion	Ratio	Lower	Upper
69	100		
41	90.2	75.4	113.0
39	59.4	41.0	61.4





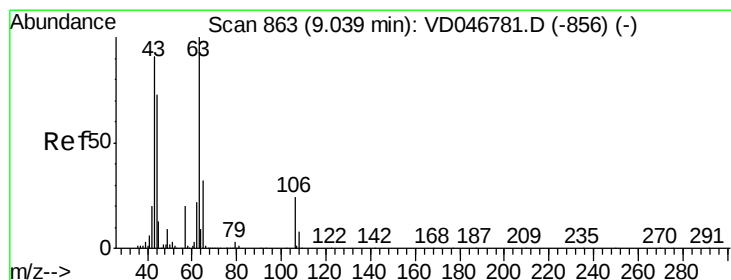
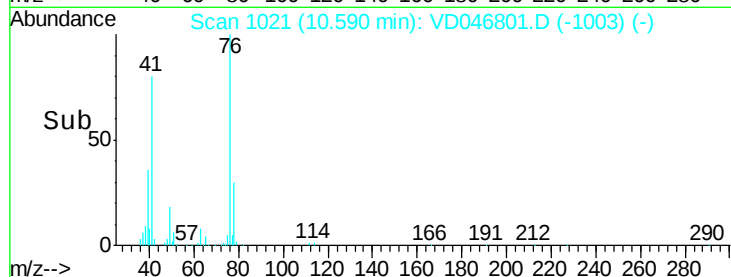
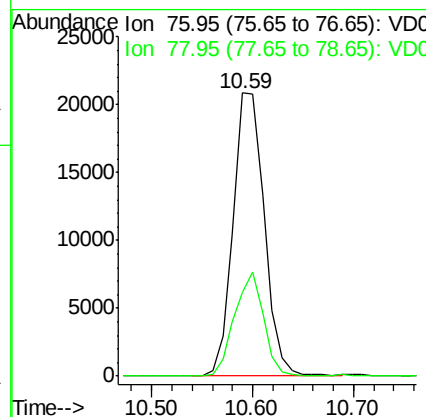
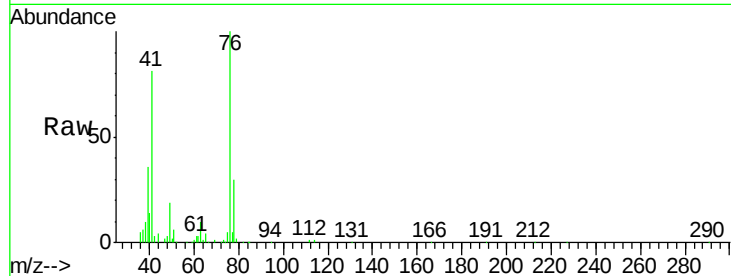
#57
 1,3-Dichloropropane
 Concen: 20.37 ug/l
 RT: 10.59 min Scan# 1021
 Delta R.T. -0.03 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion: 76 Resp: 44942
 Ion Ratio Lower Upper
 76 100
 78 29.7 26.6 39.8

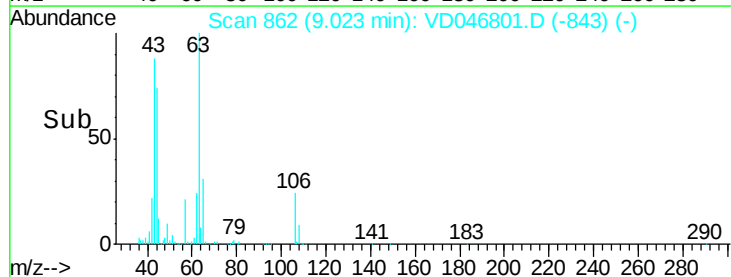
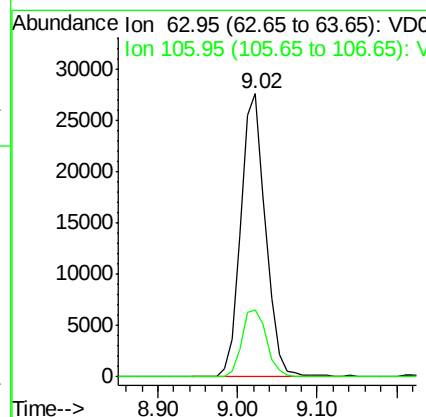
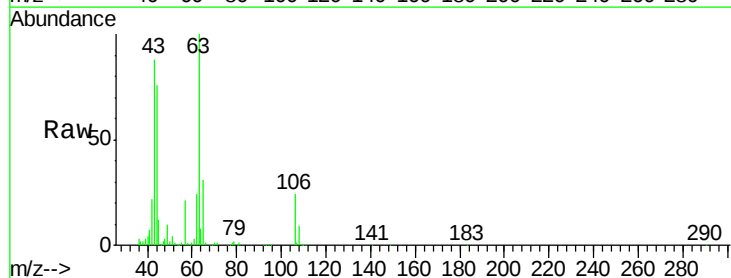
Manual Integrations
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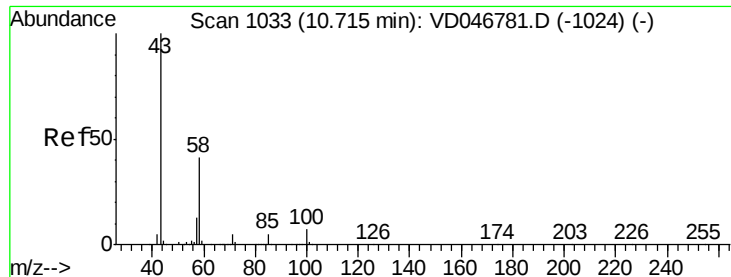
MMDadoda
 9/22/2015 12:41:14 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.53 ug/l
 RT: 9.02 min Scan# 862
 Delta R.T. -0.02 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

Tgt Ion: 63 Resp: 59547
 Ion Ratio Lower Upper
 63 100
 106 23.9 17.8 26.8





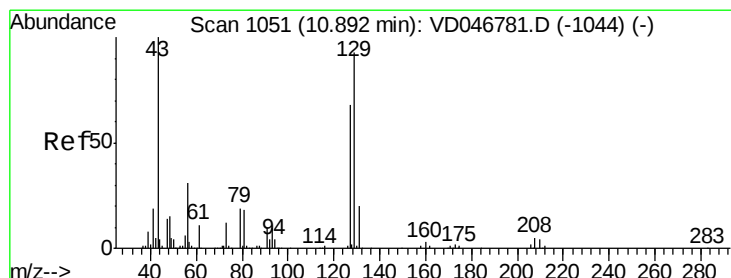
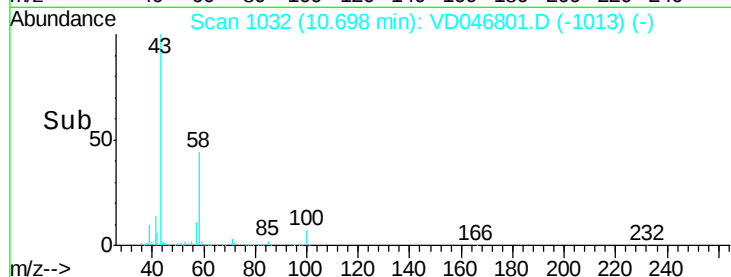
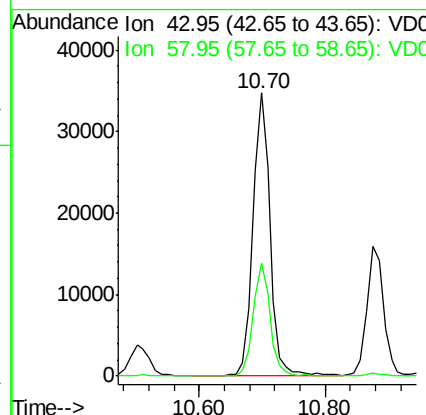
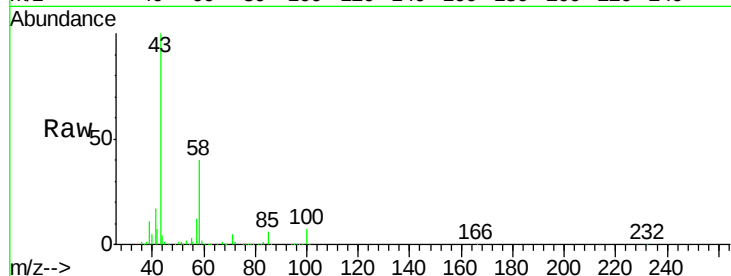
#59
2-Hexanone
Concen: 102.55 ug/l
RT: 10.70 min Scan# 1032
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

Tot Ion: 43 Resp: 65971
Ion Ratio Lower Upper
43 100
58 40.0 18.6 55.8

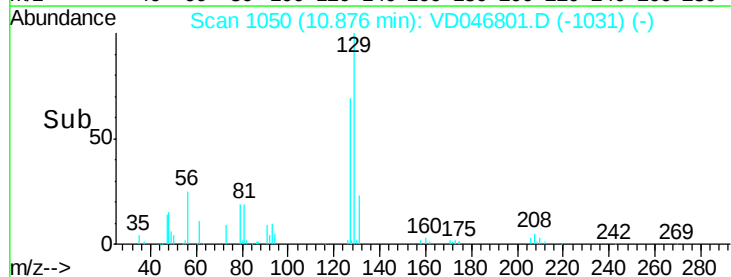
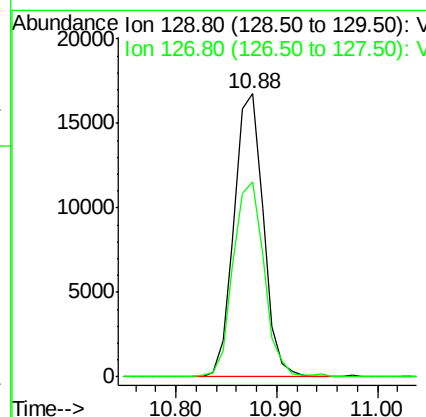
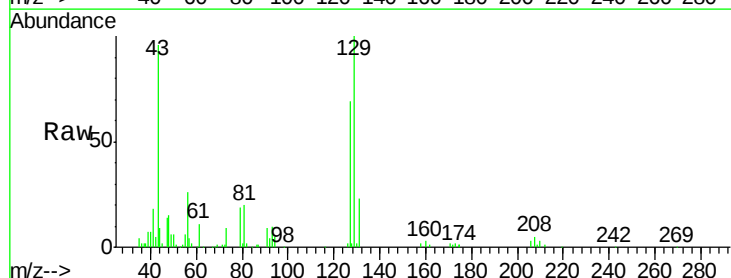
Manual Integrations
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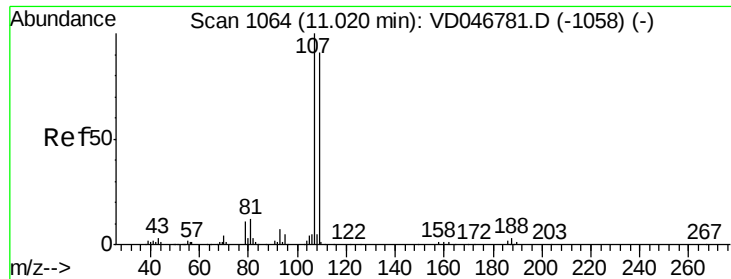
MMDadoda
9/22/2015 12:41:14 PM



#60
Dibromochloromethane
Concen: 20.78 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Tgt Ion: 129 Resp: 33835
Ion Ratio Lower Upper
129 100
127 69.1 38.2 114.6





#61

1,2-Dibromoethane

Concen: 20.42 ug/l

RT: 11.00 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBSD01

Tot Ion: 107 Resp: 23925

Ion Ratio Lower Upper

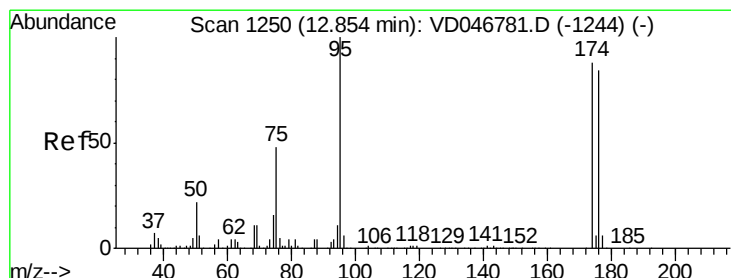
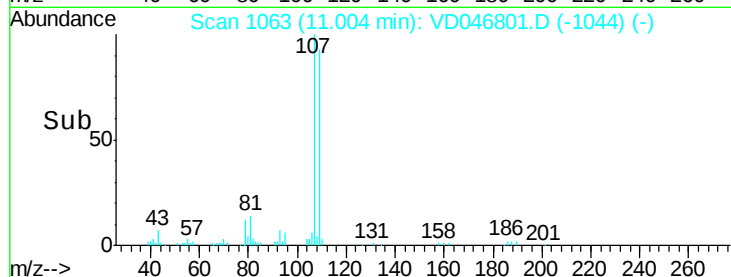
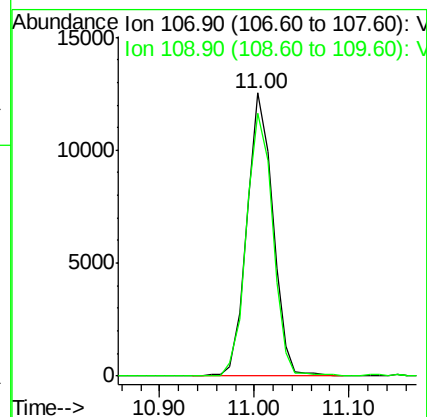
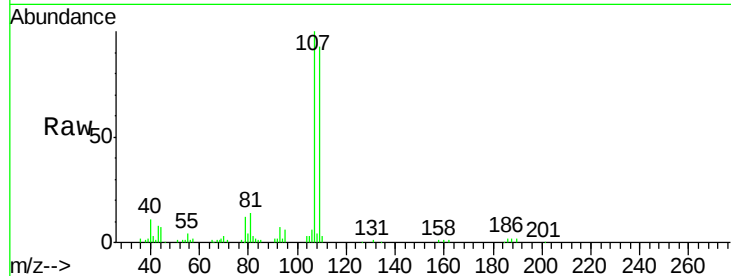
107 100

109 92.9 71.4 107.0

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 20.42 ug/l

RT: 12.84 min Scan# 1249

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

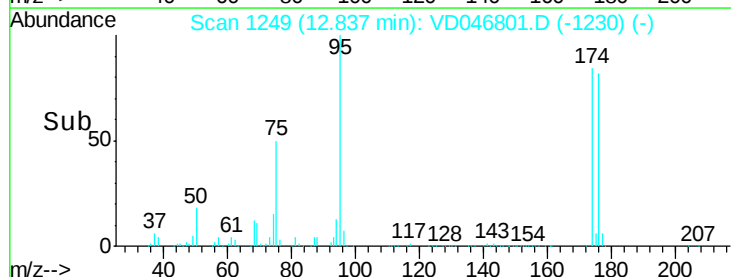
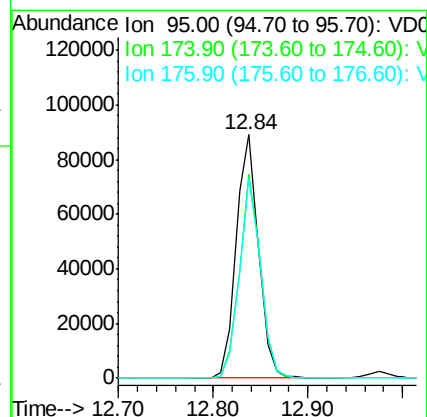
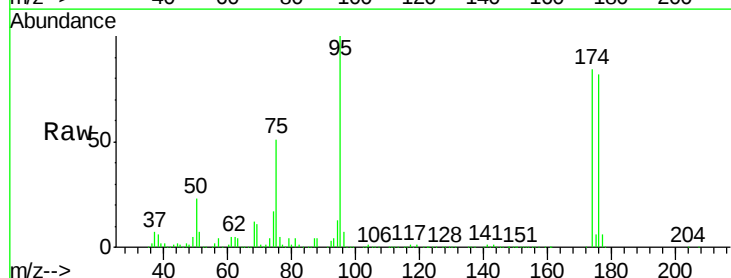
Tgt Ion: 95 Resp: 144629

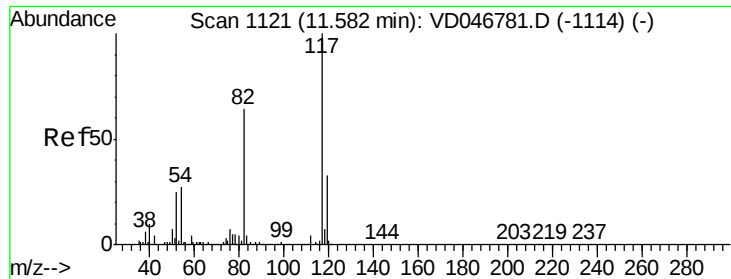
Ion Ratio Lower Upper

95 100

174 83.5 0.0 149.8

176 82.2 0.0 143.4





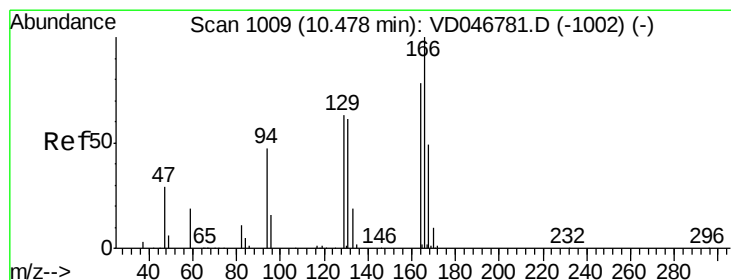
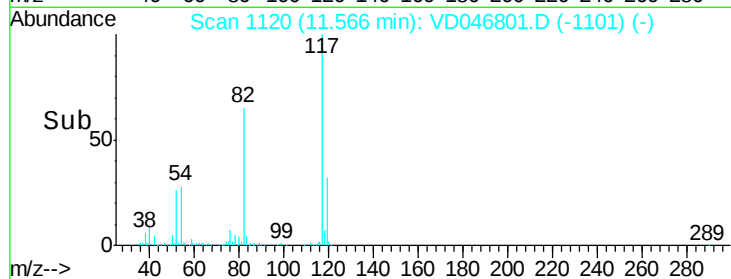
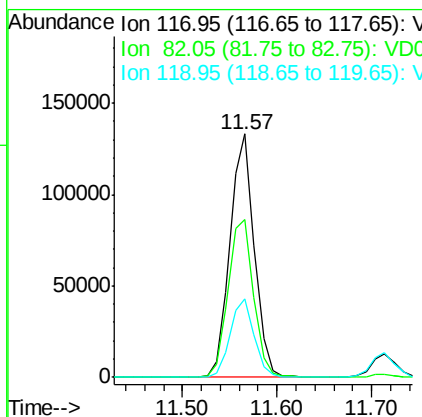
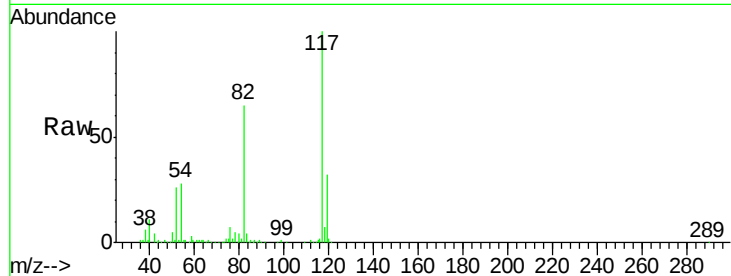
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.57 min Scan# 1120
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	237771		
82	64.9	50.6	75.8	
119	32.1	25.8	38.8	

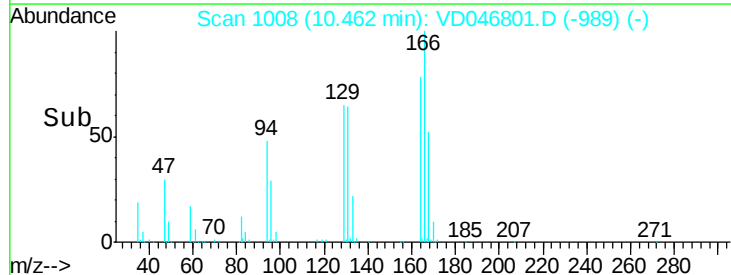
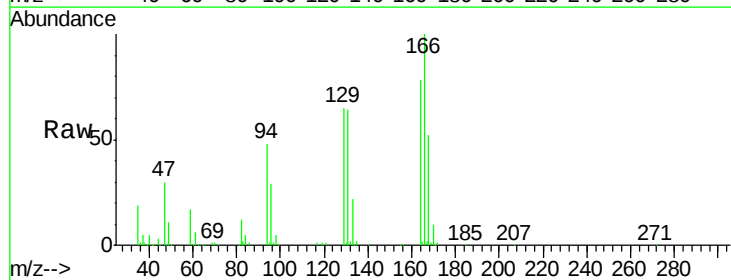
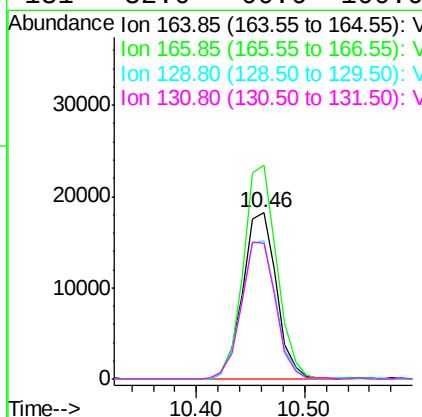
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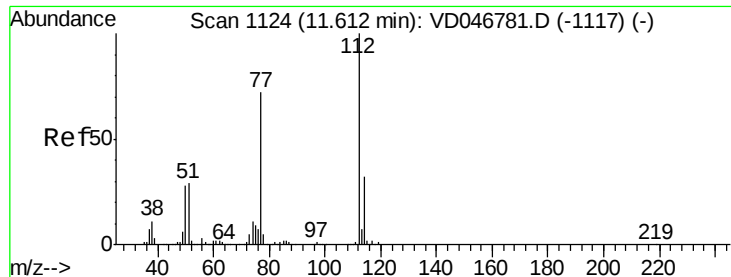
MMDadoda
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#64
Tetrachloroethene
Concen: 20.57 ug/l
RT: 10.46 min Scan# 1008
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	39505		
166	128.6	106.8	160.2	
129	83.3	70.6	106.0	
131	82.0	66.6	100.0	





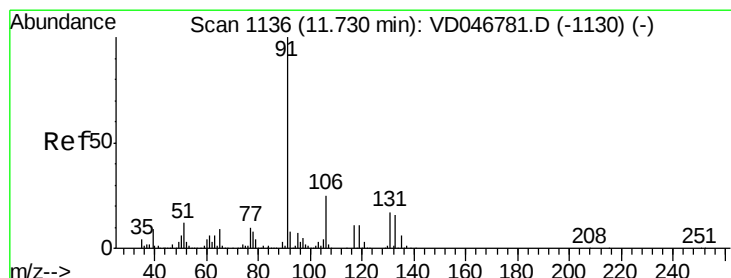
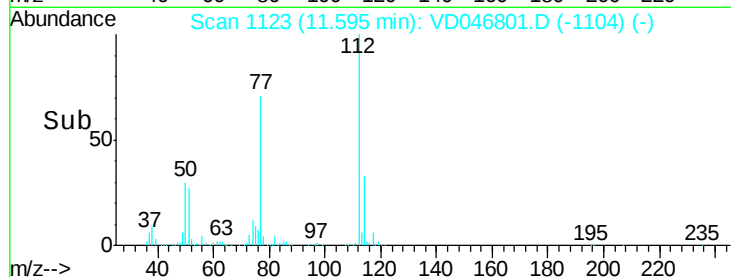
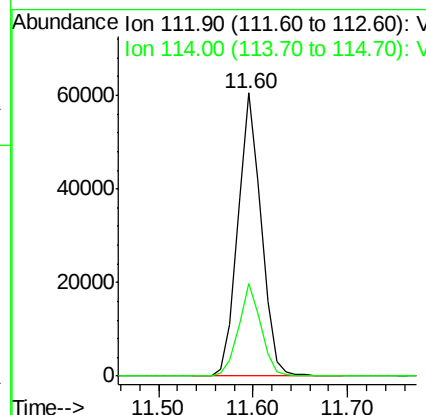
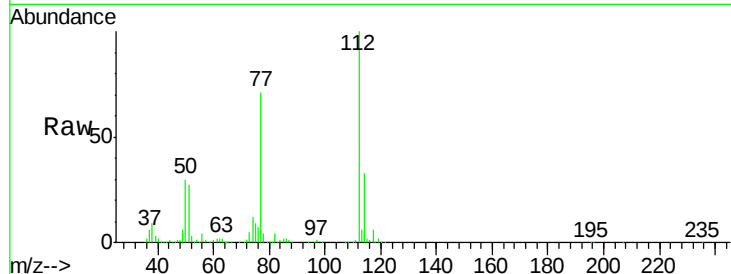
#65
Chlorobenzene
Concen: 20.63 ug/l
RT: 11.60 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.3	37.9

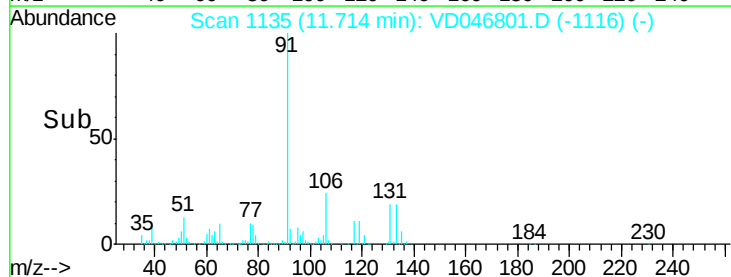
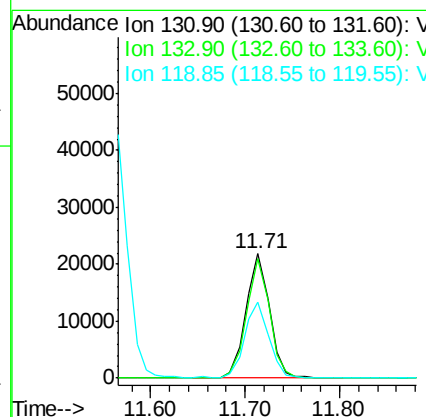
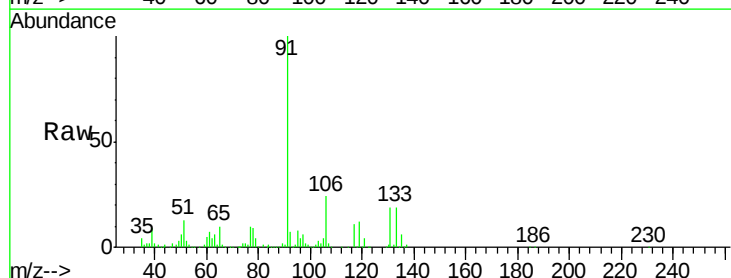
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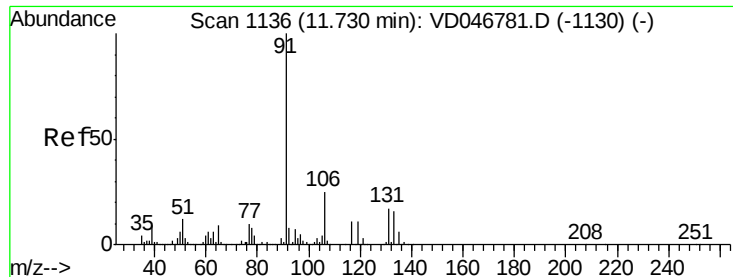
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.55 ug/l
RT: 11.71 min Scan# 1135
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	48.4	145.0
119	60.9	31.5	94.5





#67

Ethyl Benzene

Concen: 20.73 ug/l

RT: 11.72 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 91 Resp: 208422

Ion Ratio Lower Upper

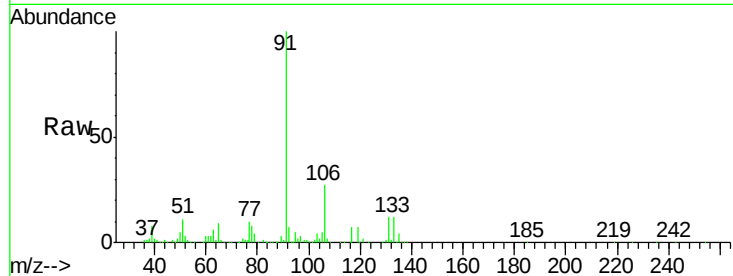
91 100

106 27.0 20.2 30.2

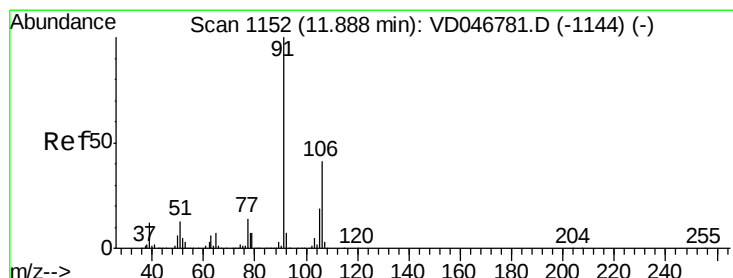
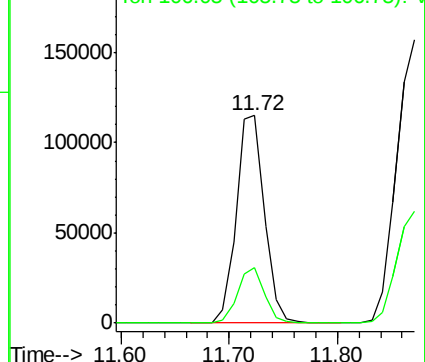
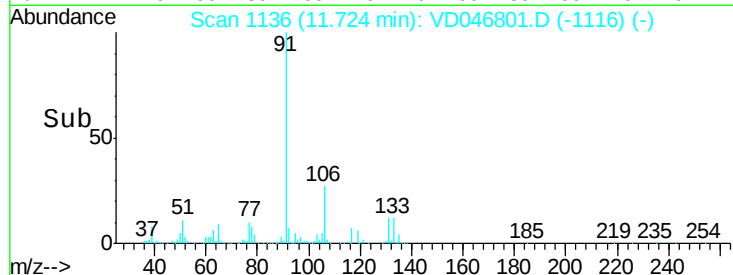
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VD046801.D (-1116) (-)



#68

m/p-Xylenes

Concen: 42.34 ug/l

RT: 11.87 min Scan# 1151

Delta R.T. -0.02 min

Lab File: VD046801.D

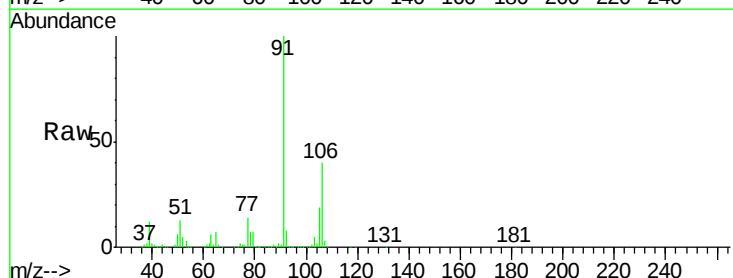
Acq: 21 Sep 2015 12:34

Tgt Ion: 106 Resp: 134281

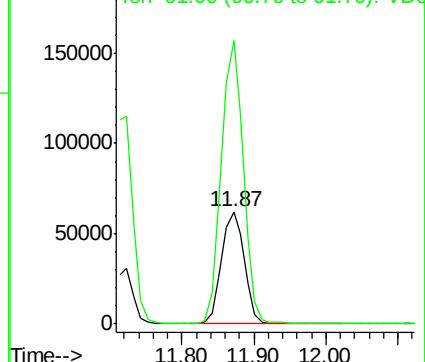
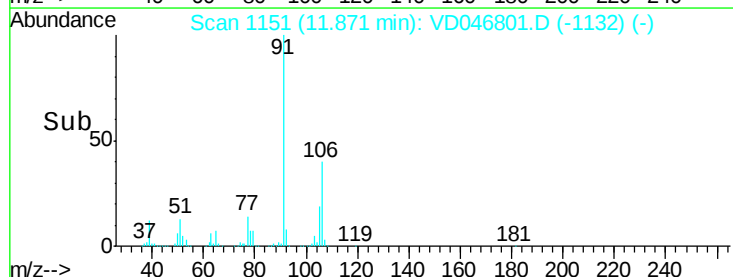
Ion Ratio Lower Upper

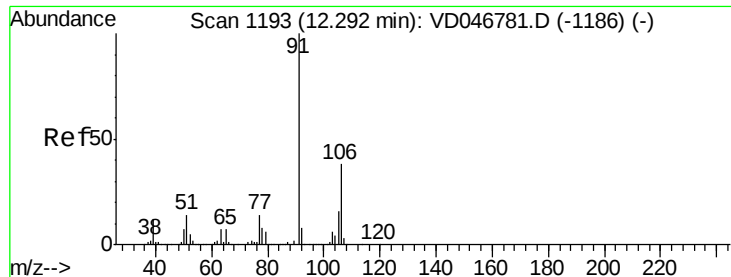
106 100

91 253.0 187.9 281.9



Abundance Ion 106.05 (105.75 to 106.75): VD046801.D (-1132) (-)





#69

o-Xylene

Concen: 21.64 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion:106 Resp: 61777

Ion Ratio Lower Upper

106 100

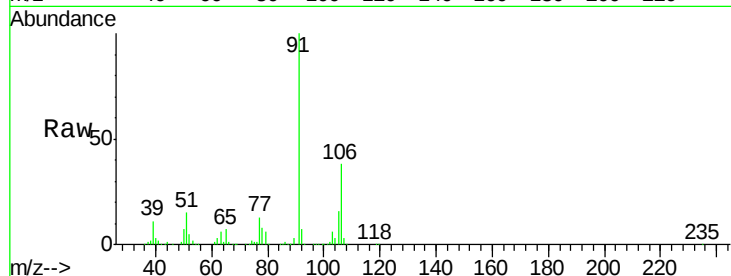
91 261.3 124.8 374.5

Manual Integrations

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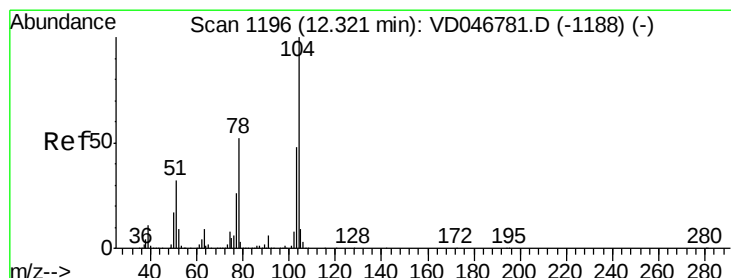
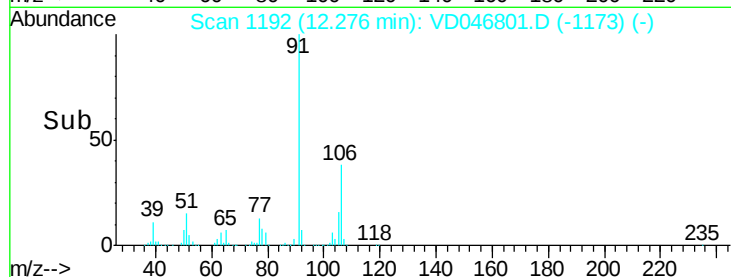
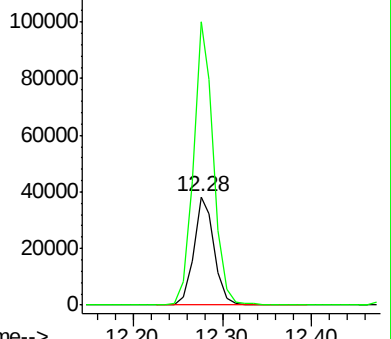
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Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#70

Styrene

Concen: 21.29 ug/l

RT: 12.31 min Scan# 1195

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

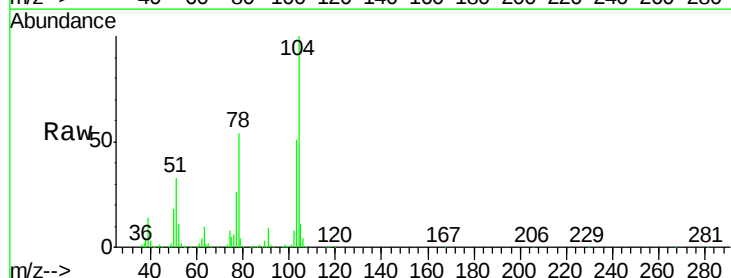
Tgt Ion:104 Resp: 105358

Ion Ratio Lower Upper

104 100

78 54.1 44.5 66.7

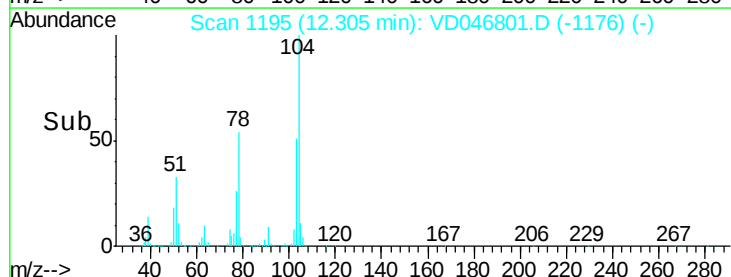
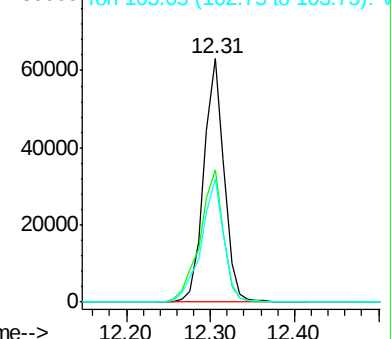
103 50.6 40.3 60.5

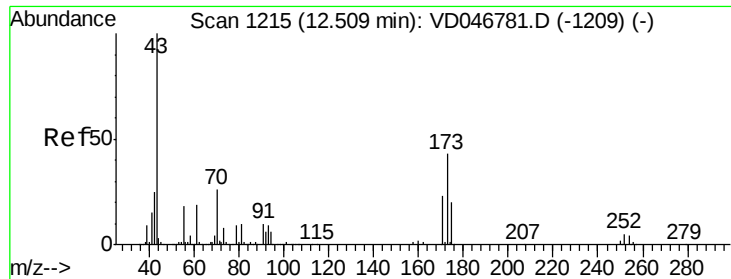


Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): VDC

Ion 103.05 (102.75 to 103.75): V





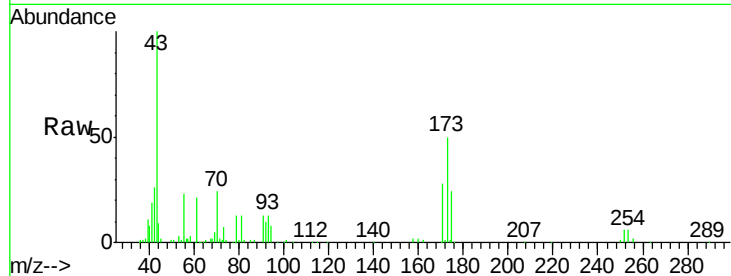
#71
Bromoform
Concen: 20.30 ug/l
RT: 12.49 min Scan# 1214
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.0	23.1	69.3
254	11.5	8.7	13.1

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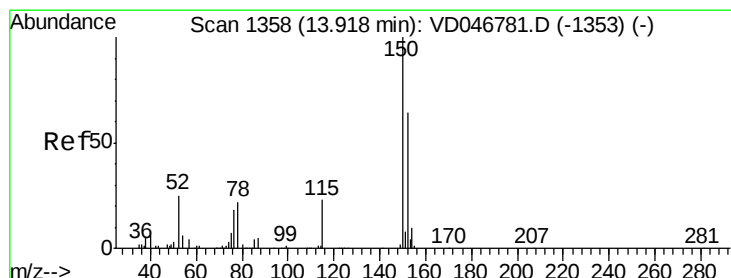
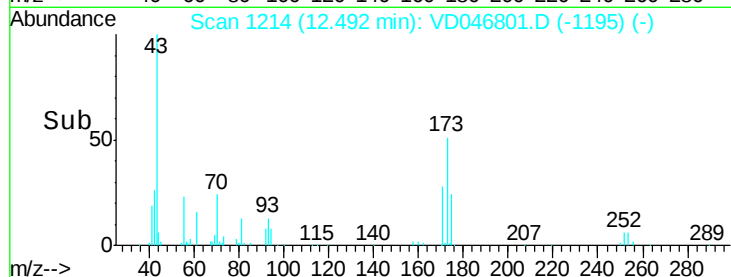
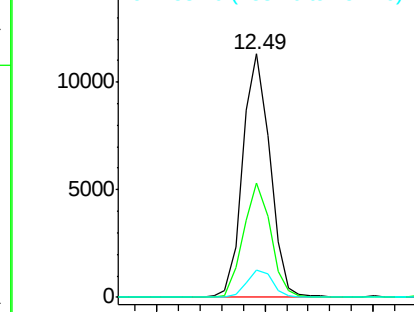


Abundance

Ion 172.80 (172.50 to 173.50): V

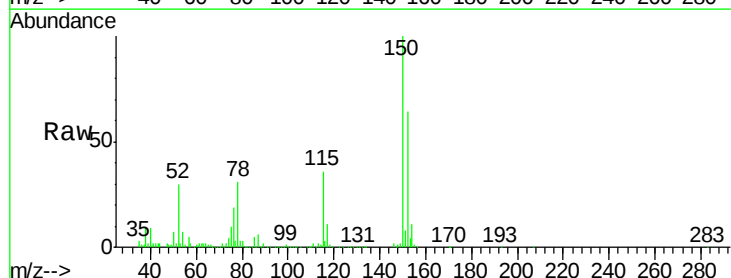
Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.90 min Scan# 1357
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	26.2	78.6
150	157.2	0.0	311.8

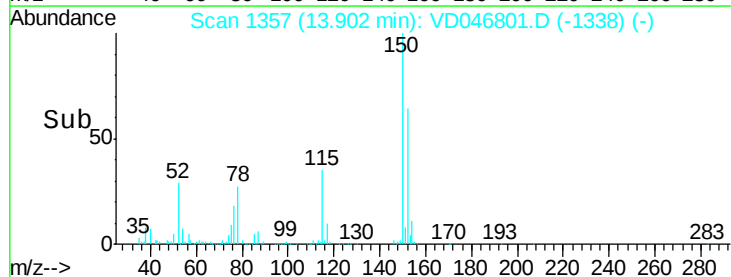
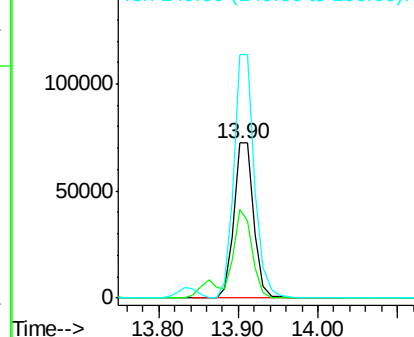


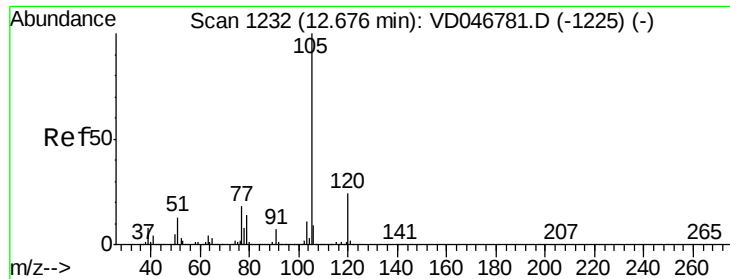
Abundance

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: 21.00 ug/l

RT: 12.66 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 105 Resp: 188619

Ion Ratio Lower Upper

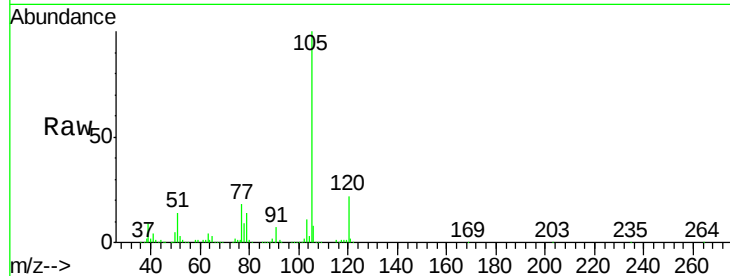
105 100

120 22.1 12.4 37.4

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

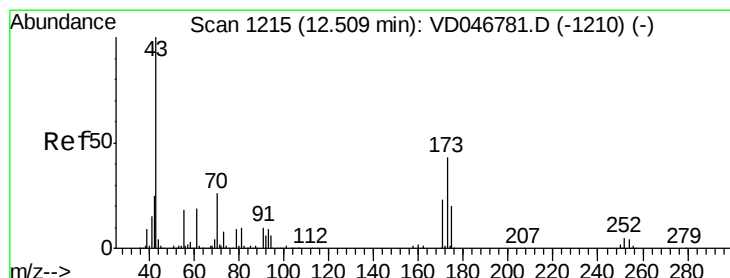
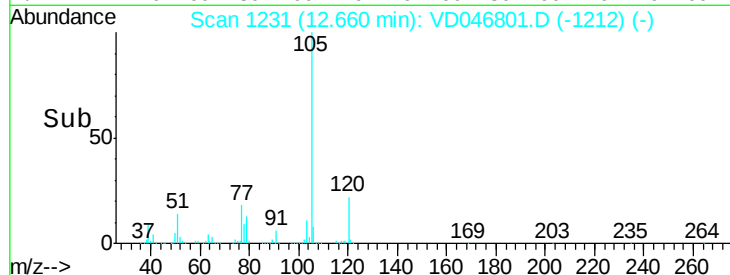
12.66

100000

50000

0

Time--> 12.50 12.60 12.70 12.80



#74

N-ethyl acetate

Concen: 18.75 ug/l

RT: 12.49 min Scan# 1214

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Tgt Ion: 43 Resp: 35015

Ion Ratio Lower Upper

43 100

70 23.9 22.1 33.1

55 22.6 14.5 21.7#

61 21.0 14.6 21.8

Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

12.49

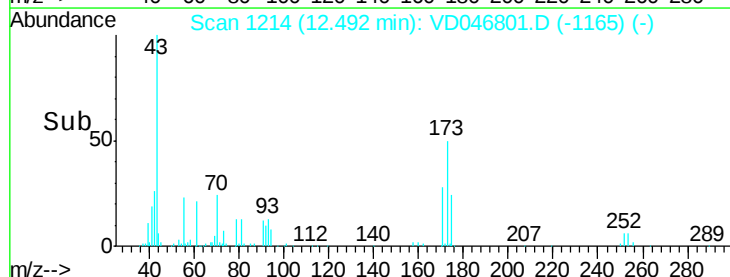
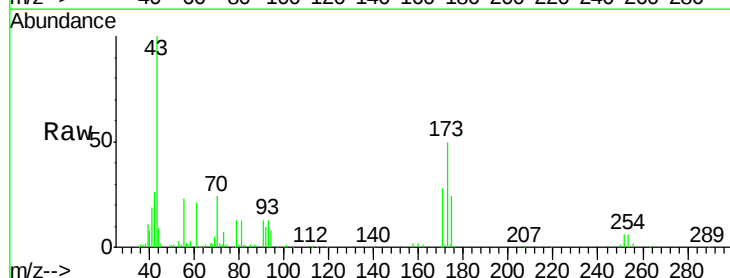
30000

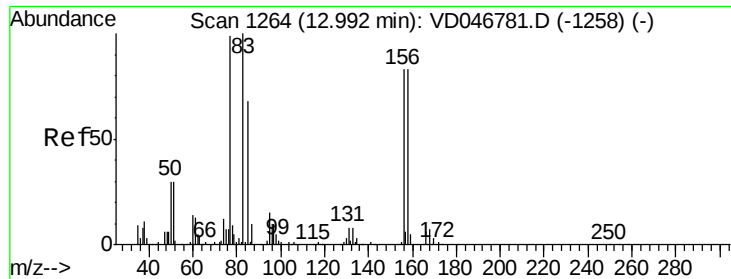
20000

10000

0

Time--> 12.40 12.50 12.60





#75

1,1,2,2-Tetrachloroethane

Concen: 19.61 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

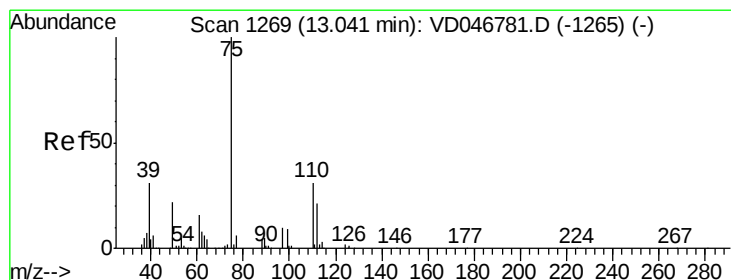
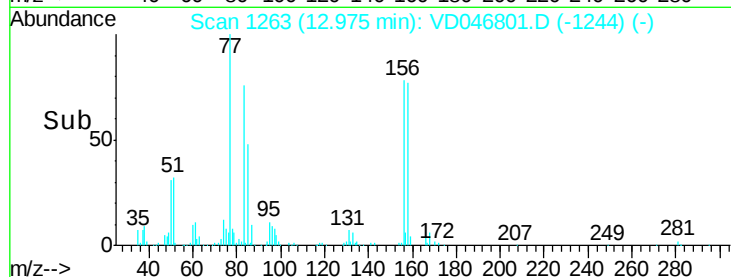
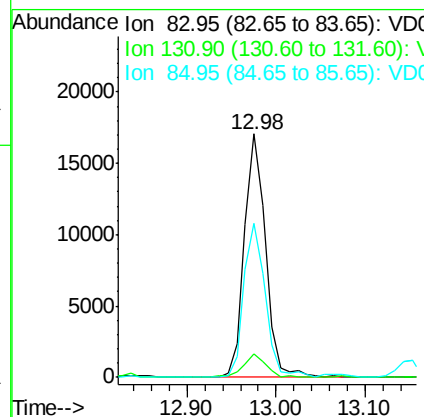
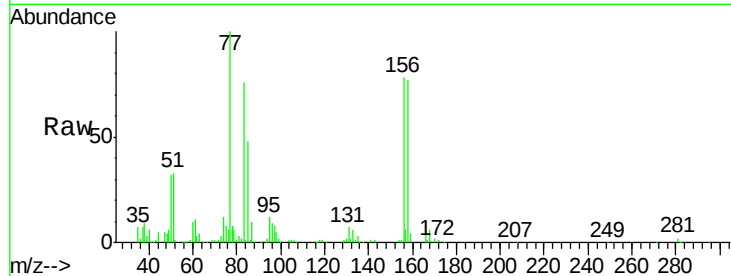
ClientSampleId :

VD0921SBS01

Tot Ion:	83	Resp:	28429
Ion Ratio	Lower	Upper	
83	100		
131	9.6	3.9	11.7
85	63.0	30.5	91.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.32 ug/l

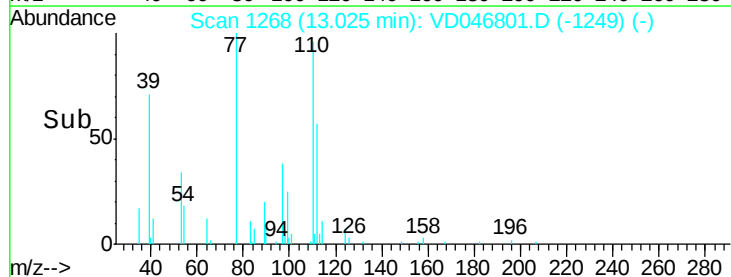
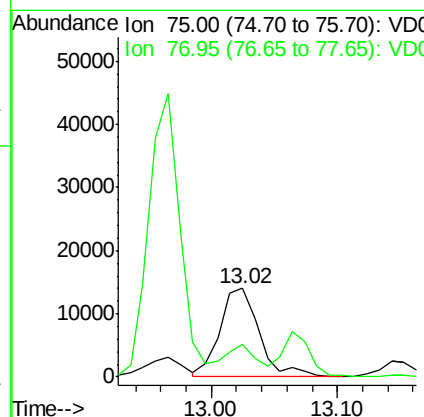
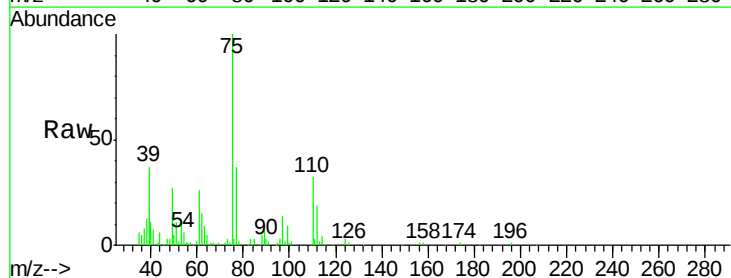
RT: 13.02 min Scan# 1268

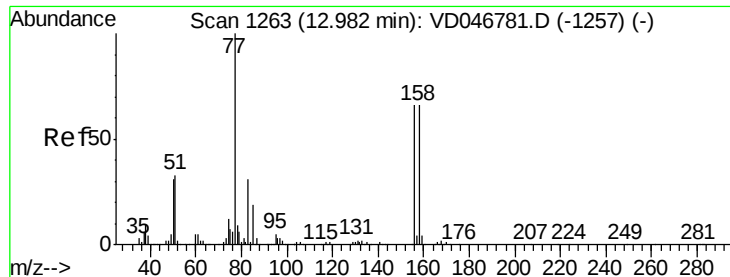
Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Tgt Ion:	75	Resp:	29963
Ion Ratio	Lower	Upper	
75	100		
77	37.4	16.0	48.0





#77

Bromobenzene

Concen: 20.18 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion:156 Resp: 45588

Ion Ratio Lower Upper

156 100

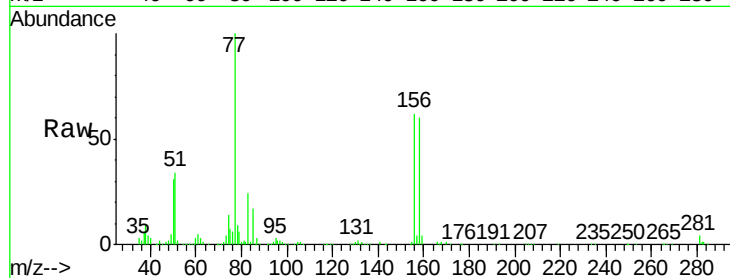
77 161.2 70.3 210.8

158 96.5 49.0 147.0

Manual Integrations
APPROVED

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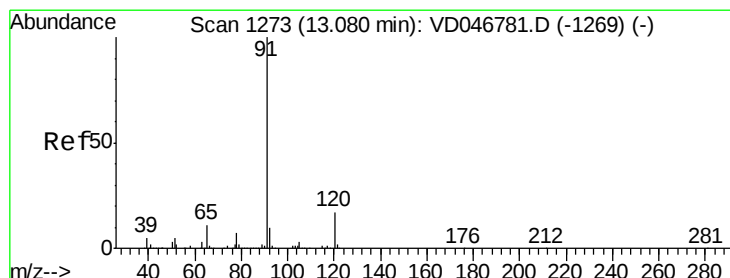
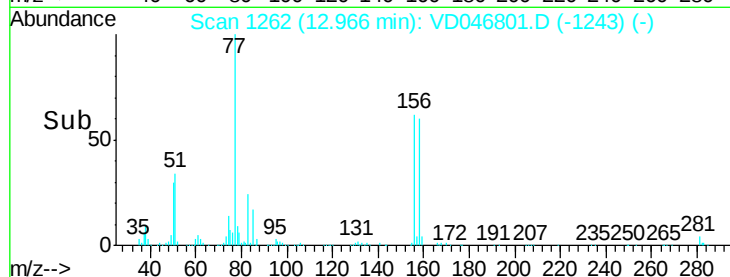
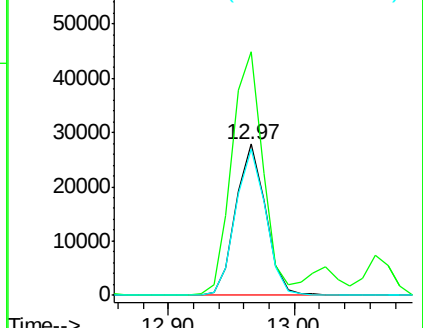
9/22/2015 12:41:14 PM



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: 21.15 ug/l

RT: 13.06 min Scan# 1272

Delta R.T. -0.02 min

Lab File: VD046801.D

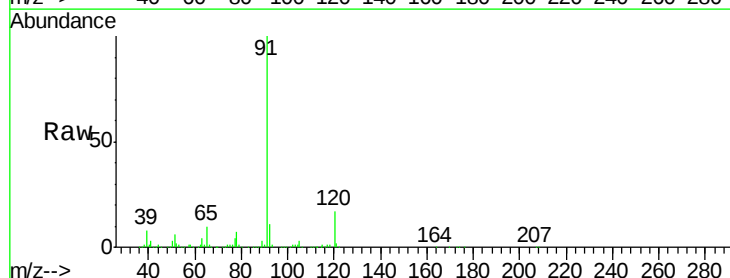
Acq: 21 Sep 2015 12:34

Tgt Ion: 91 Resp: 268276

Ion Ratio Lower Upper

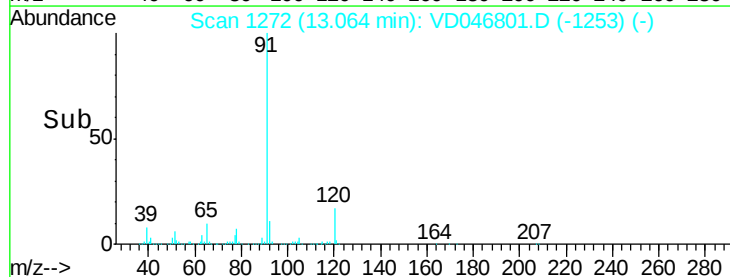
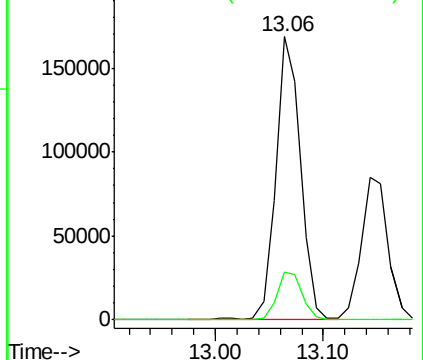
91 100

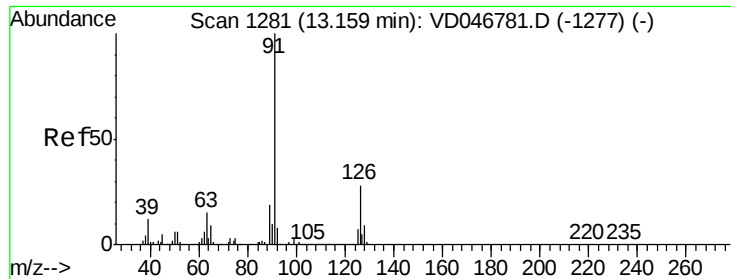
120 16.7 9.3 27.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





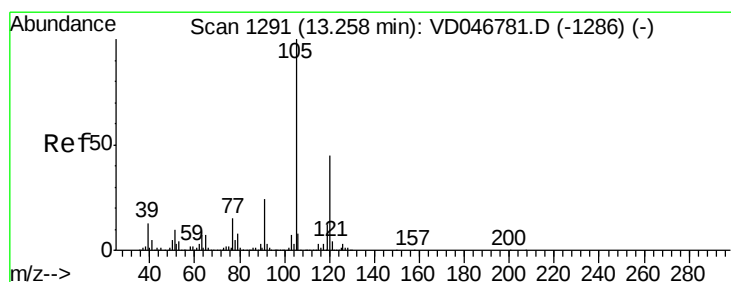
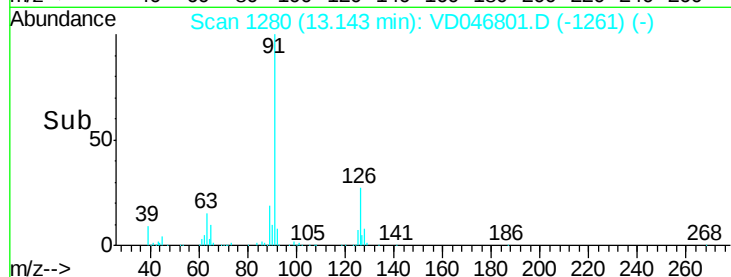
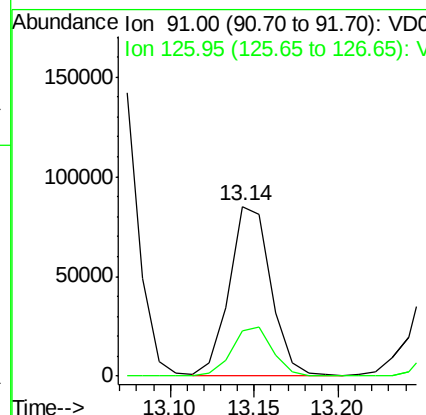
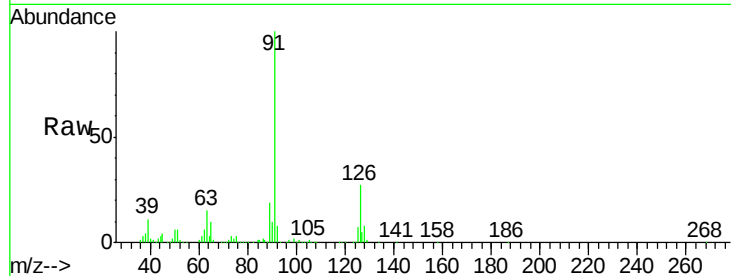
#79
2-Chlorotoluene
Concen: 20.65 ug/l
RT: 13.14 min Scan# 1280
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion: 91 Resp: 145395
Ion Ratio Lower Upper
91 100
126 26.7 14.1 42.4

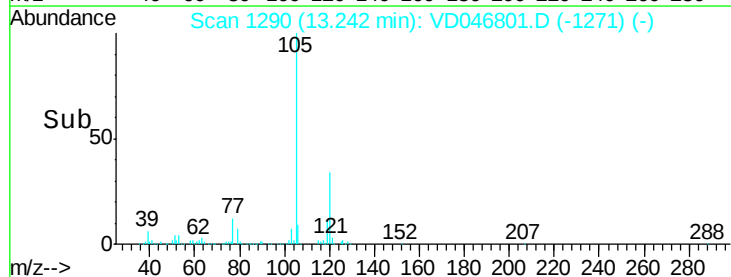
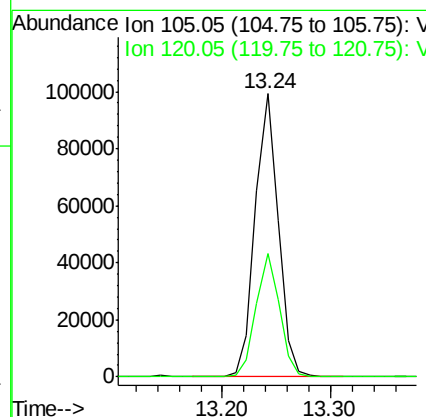
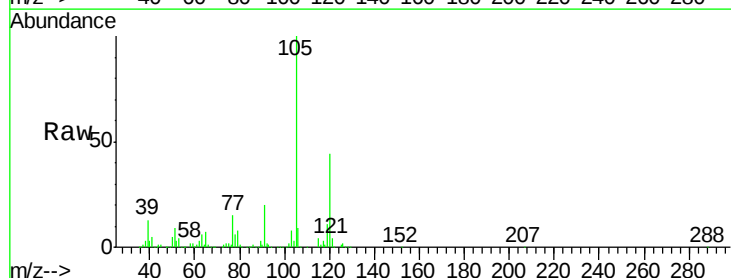
Manual Integrations
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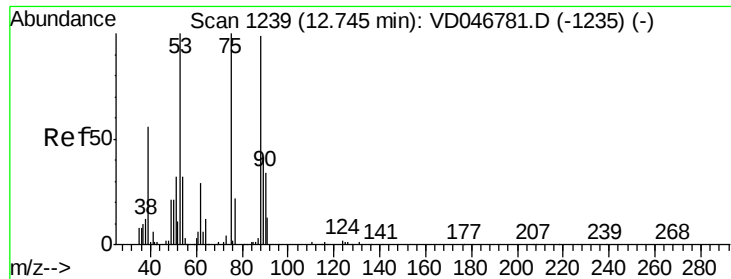
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 20.74 ug/l
RT: 13.24 min Scan# 1290
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Tgt Ion: 105 Resp: 148433
Ion Ratio Lower Upper
105 100
120 43.7 22.3 66.8





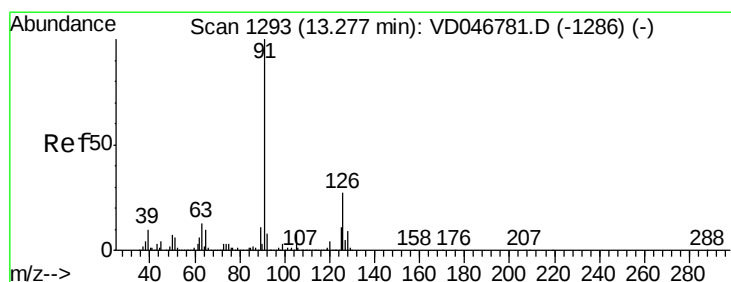
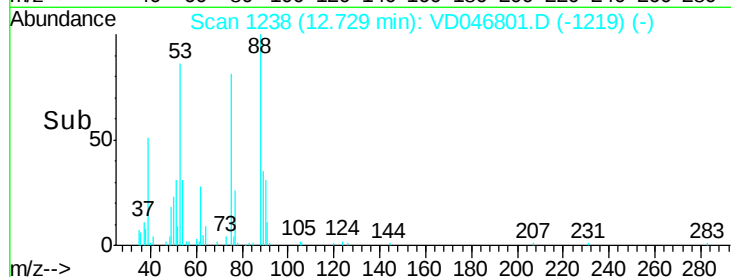
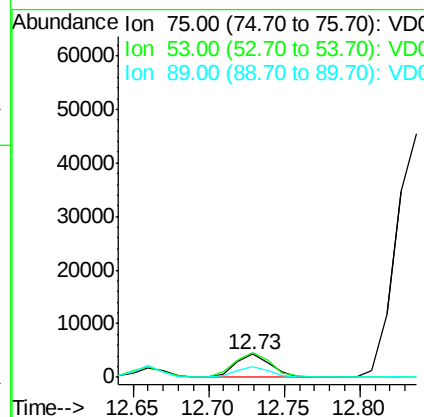
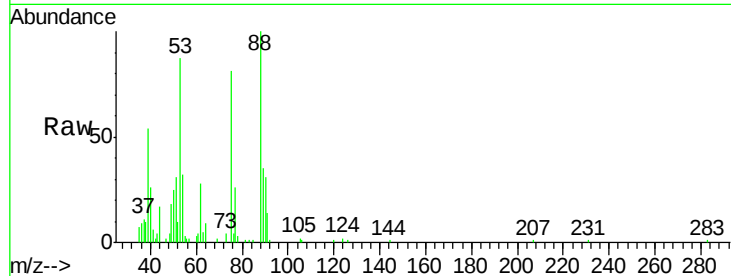
#81
trans-1,4-Dichloro-2-butene
Concen: 18.94 ug/l
RT: 12.73 min Scan# 1238
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.9	82.3	123.5
89	43.2	36.6	54.8

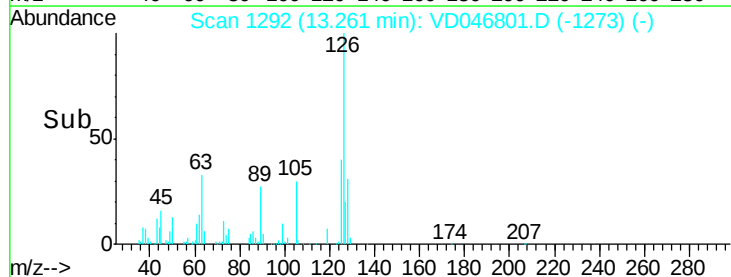
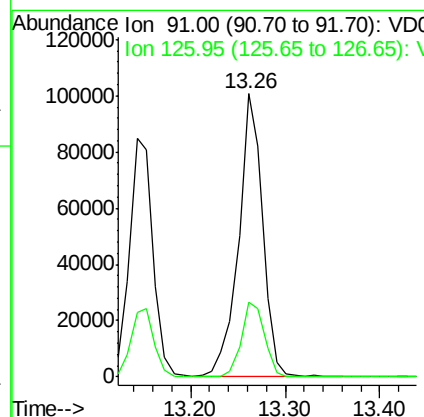
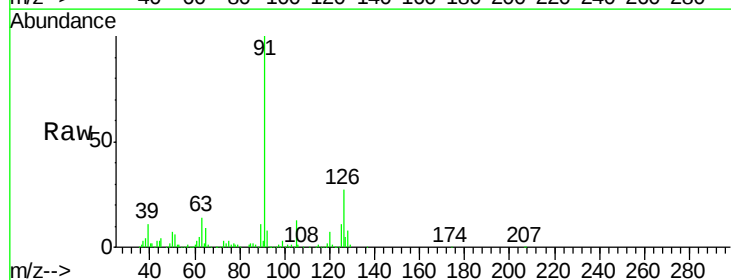
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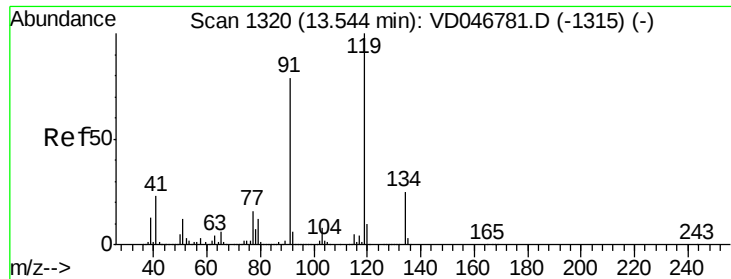
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.04 ug/l
RT: 13.26 min Scan# 1292
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	26.6	14.1	42.4





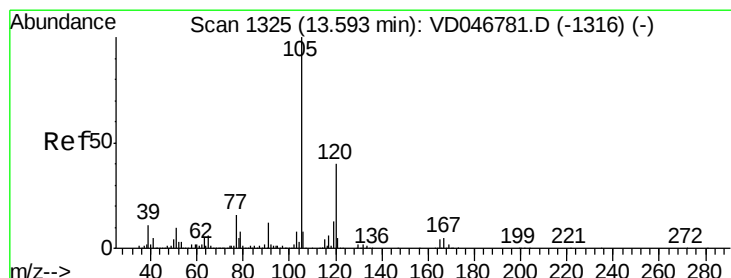
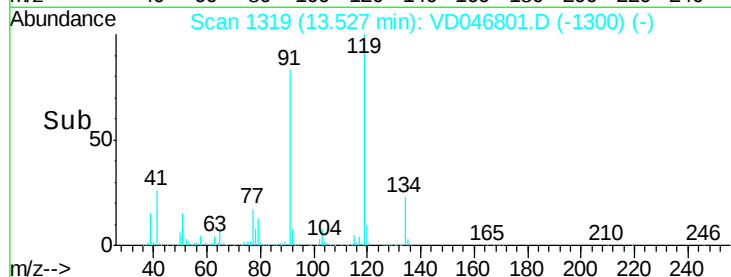
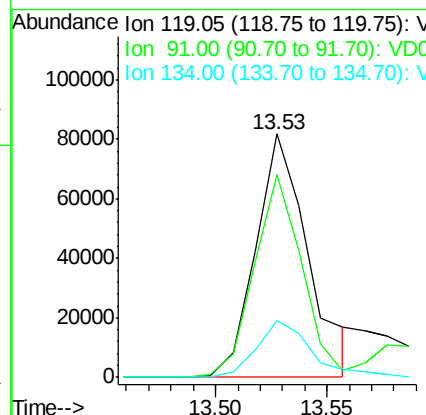
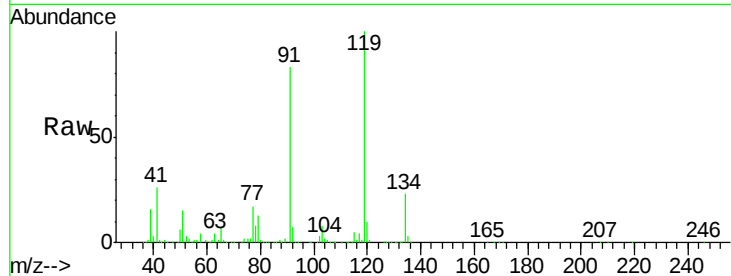
#83
 tert-Butylbenzene
 Concen: 20.88 ug/l m
 RT: 13.53 min Scan# 1319
 Delta R.T. -0.02 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	83.3	41.6	124.9
134	23.4	12.4	37.4

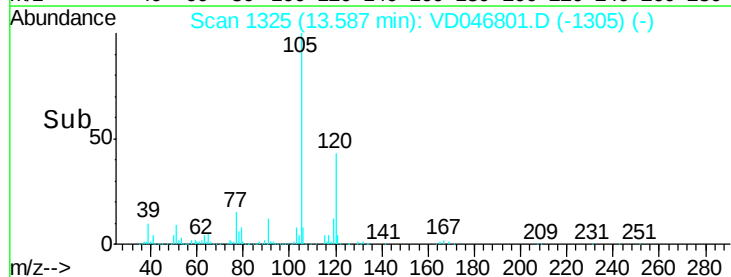
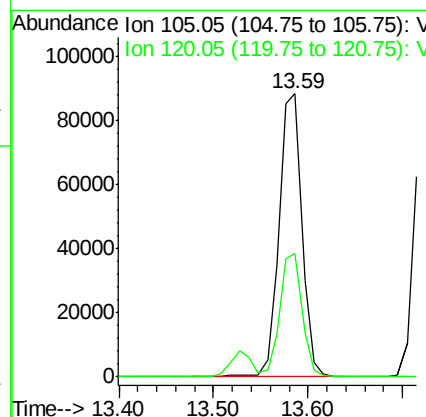
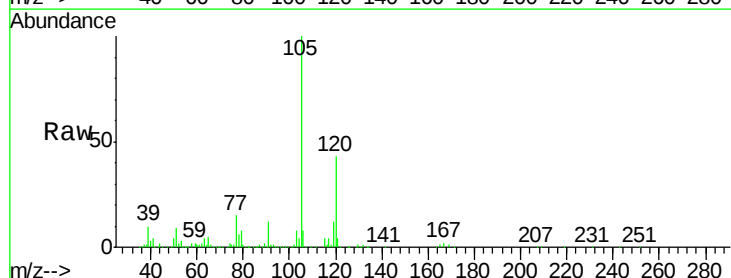
Manual Integrations
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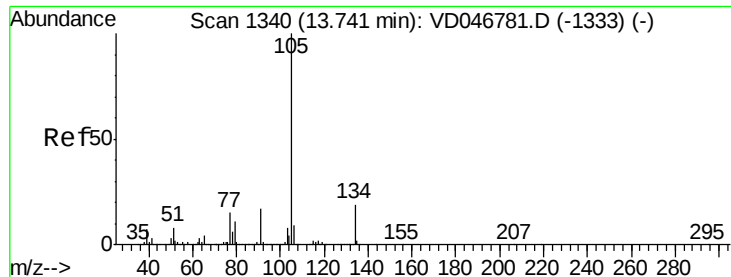
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.69 ug/l
 RT: 13.59 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	21.1	63.1





#85

sec-Butylbenzene

Concen: 21.33 ug/l

RT: 13.72 min Scan# 1339

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion:105 Resp: 202293

Ion Ratio Lower Upper

105 100

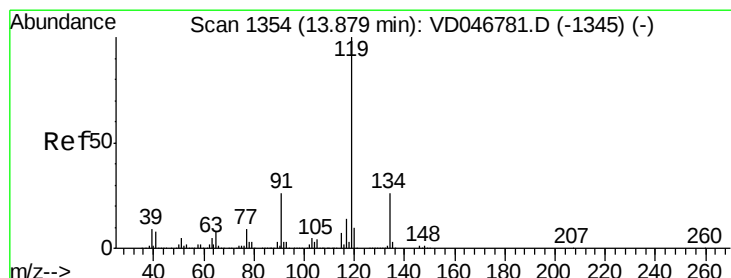
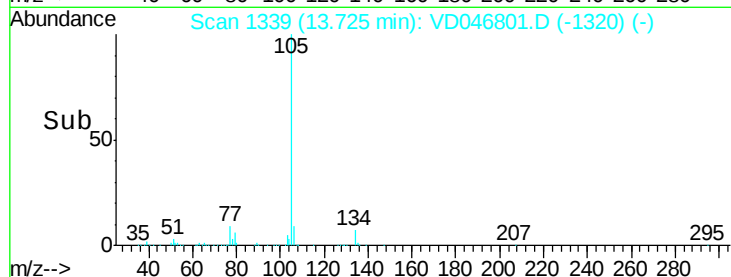
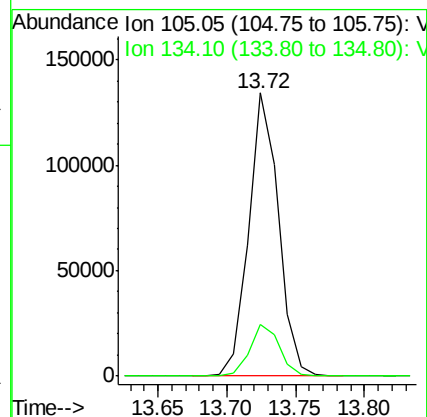
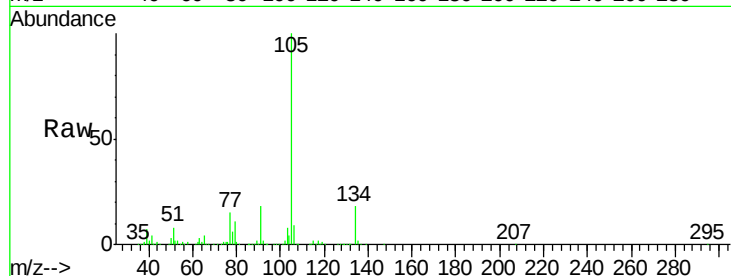
134 18.3 10.1 30.3

Manual Integrations

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MMDadoda

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#86

p-Isopropyltoluene

Concen: 21.26 ug/l

RT: 13.86 min Scan# 1353

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

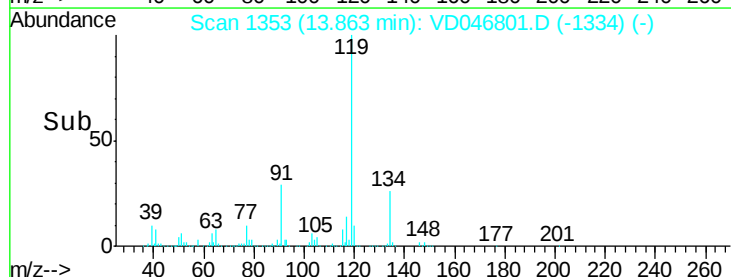
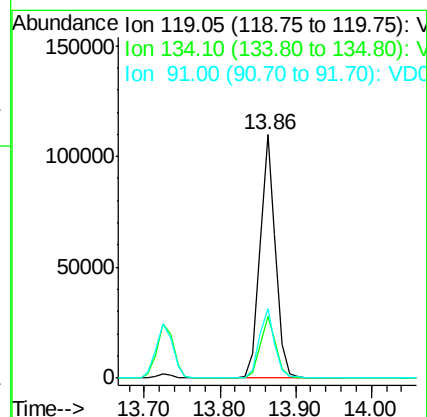
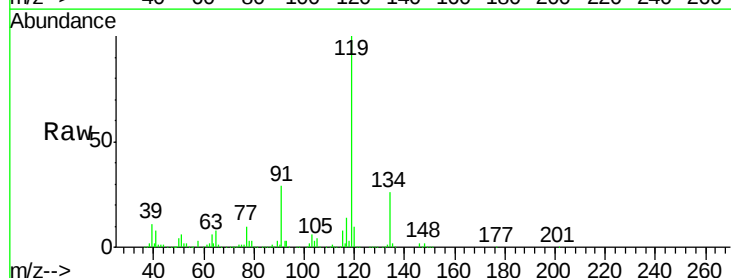
Tgt Ion:119 Resp: 158457

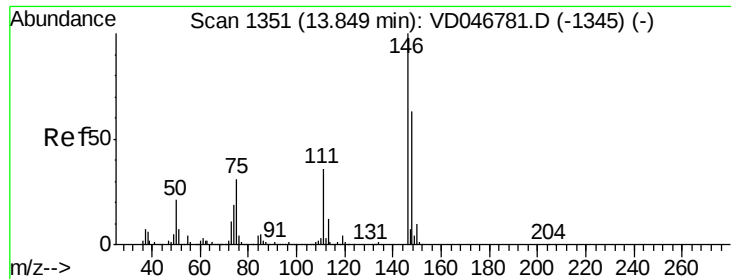
Ion Ratio Lower Upper

119 100

134 25.6 13.0 38.9

91 28.7 13.8 41.3





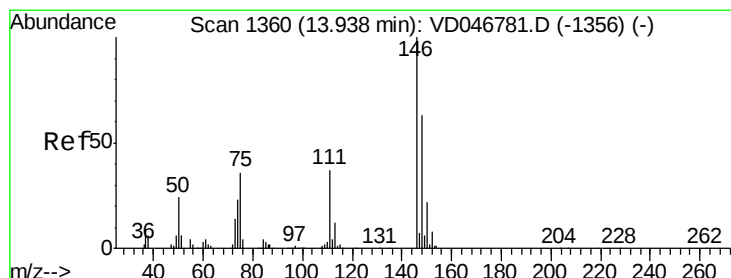
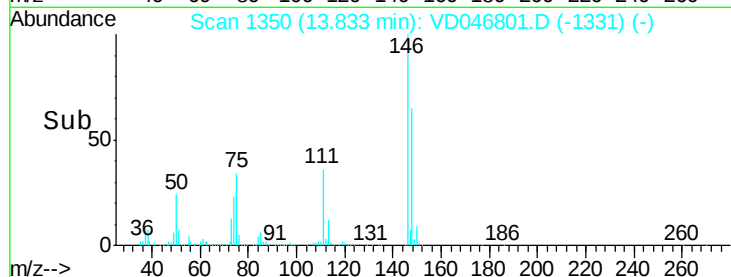
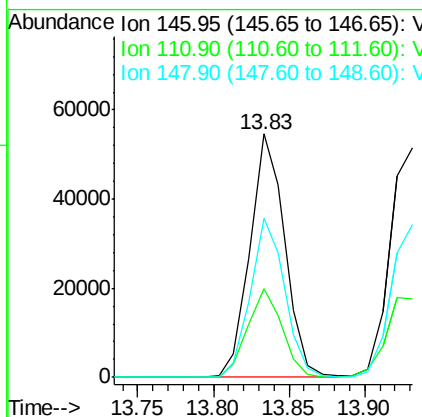
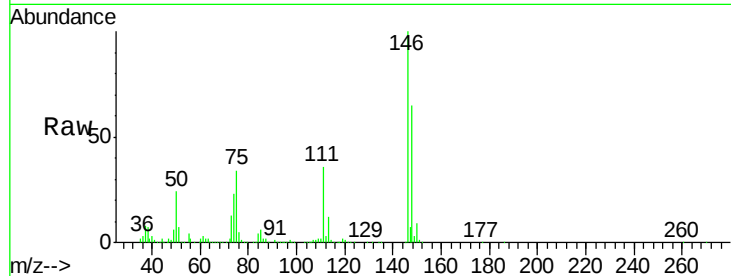
#87
 1,3-Dichlorobenzene
 Concen: 20.84 ug/l
 RT: 13.83 min Scan# 1350
 Delta R.T. -0.02 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	17.4	52.2
148	65.5	33.0	99.0

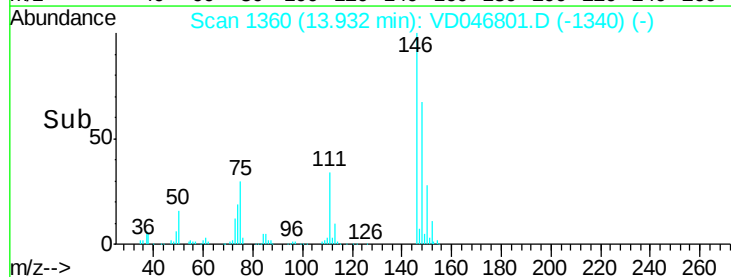
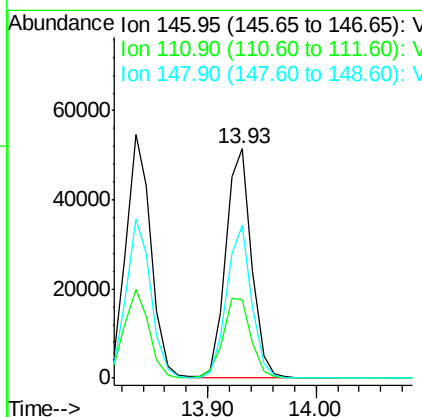
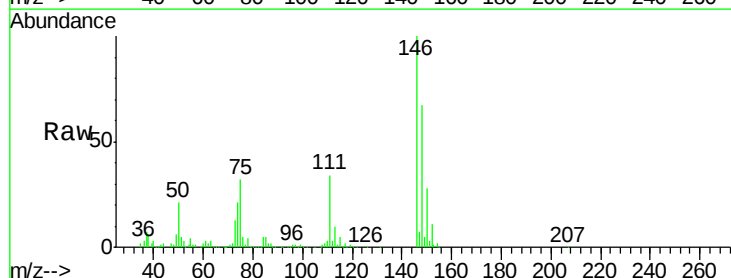
Manual Integrations
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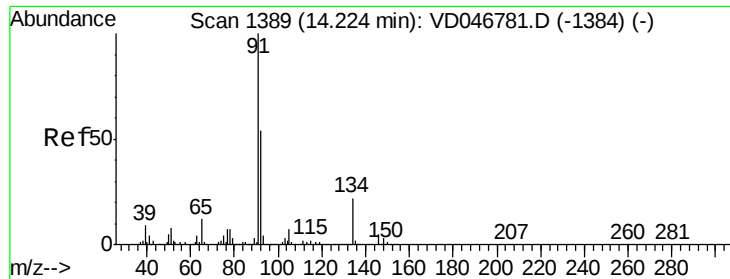
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#88
 1,4-Dichlorobenzene
 Concen: 20.38 ug/l
 RT: 13.93 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.5	17.0	51.0
148	66.7	31.9	95.7





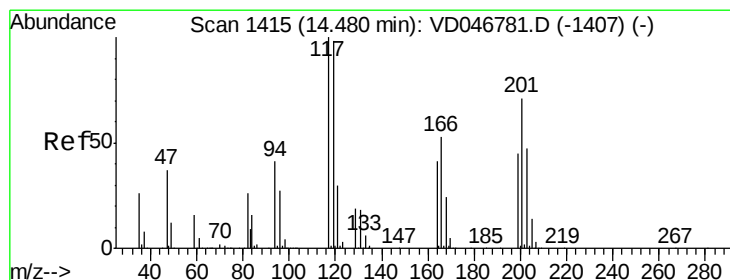
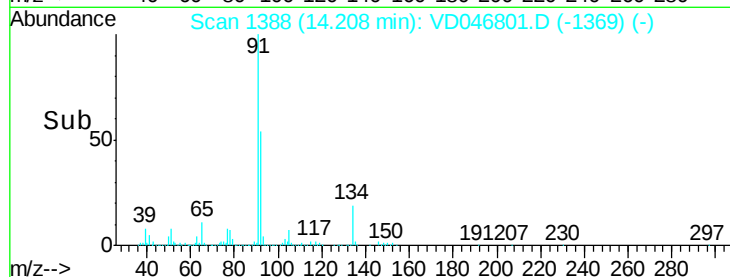
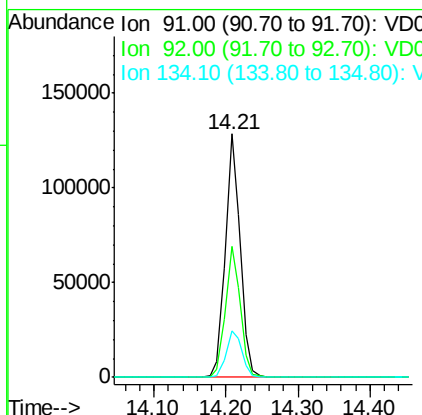
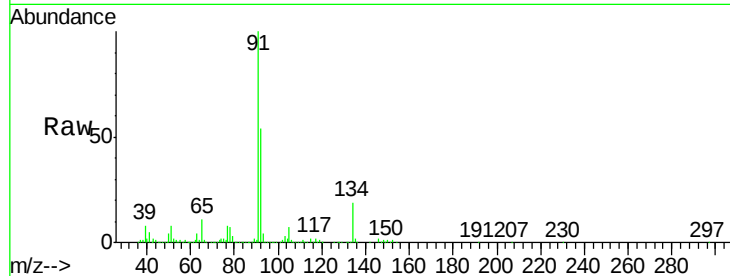
#89
n-Butylbenzene
Concen: 21.88 ug/l
RT: 14.21 min Scan# 1388
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.1	81.2
134	19.1	9.6	28.6

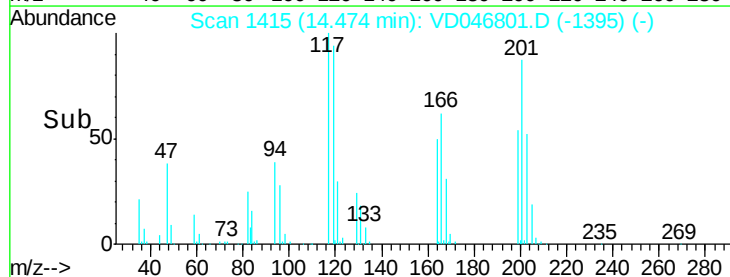
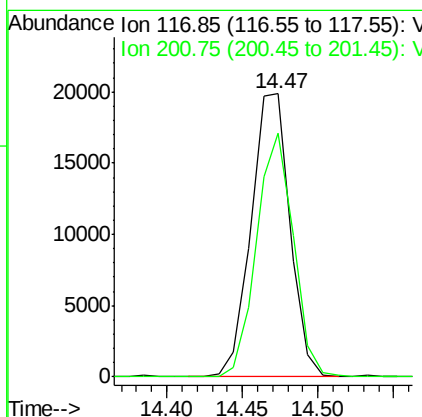
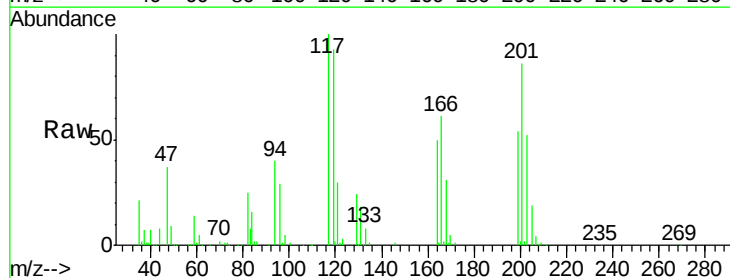
Manual Integrations
APPROVED

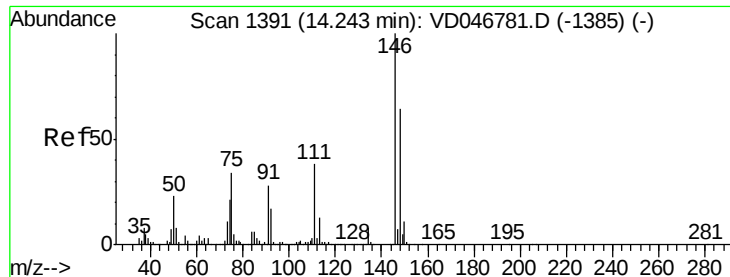
MMDadoda
9/22/2015 12:41:14 PM



#90
Hexachloroethane
Concen: 20.65 ug/l
RT: 14.47 min Scan# 1415
Delta R.T. -0.01 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.3	41.0	123.0





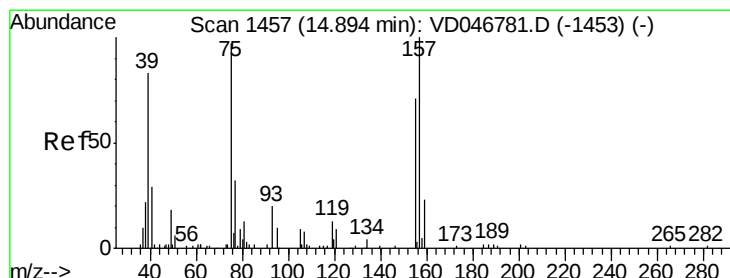
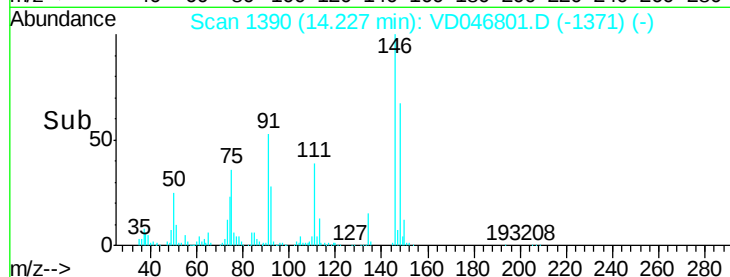
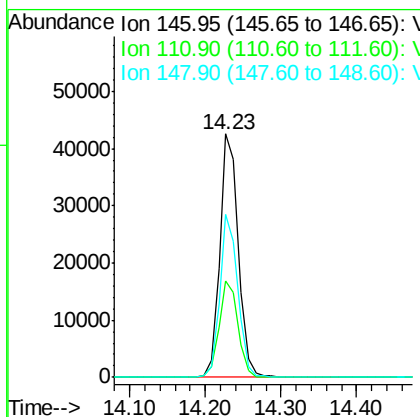
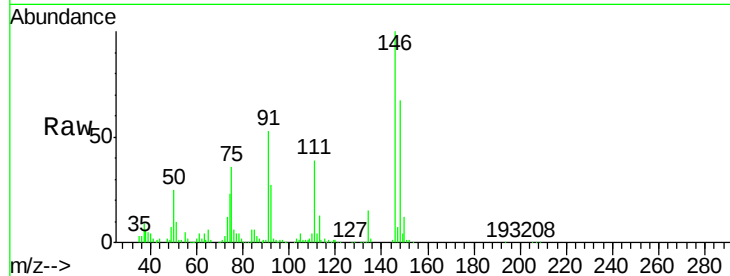
#91
 1,2-Dichlorobenzene
 Concen: 20.57 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	18.2	54.6
148	67.0	31.1	93.3

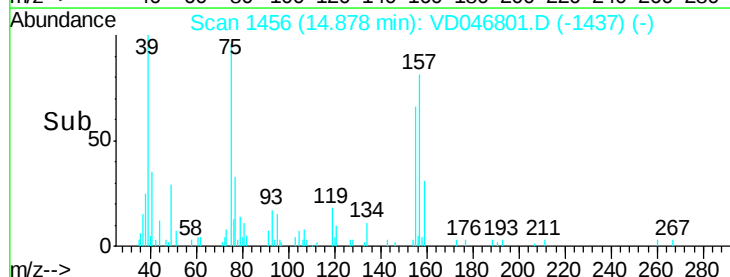
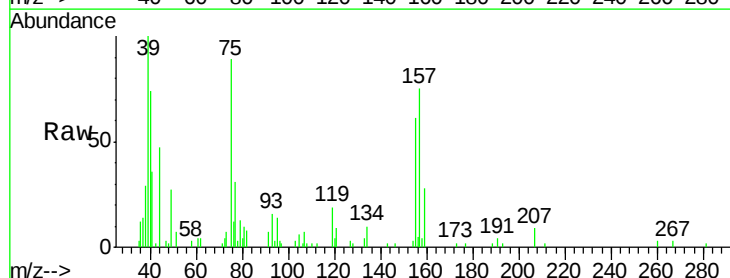
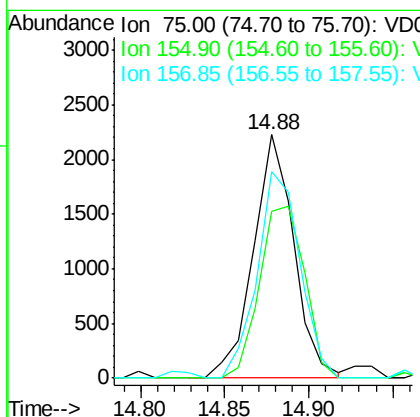
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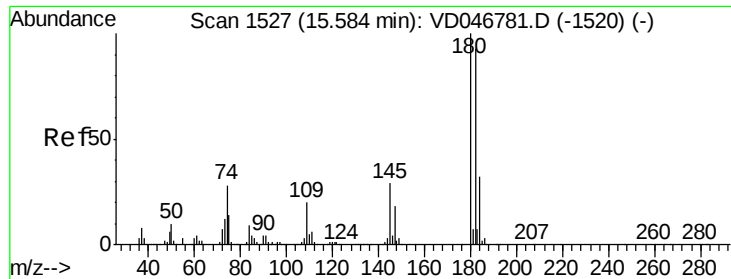
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.92 ug/l
 RT: 14.88 min Scan# 1456
 Delta R.T. -0.02 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.7	41.4	124.4
157	84.7	65.0	195.1





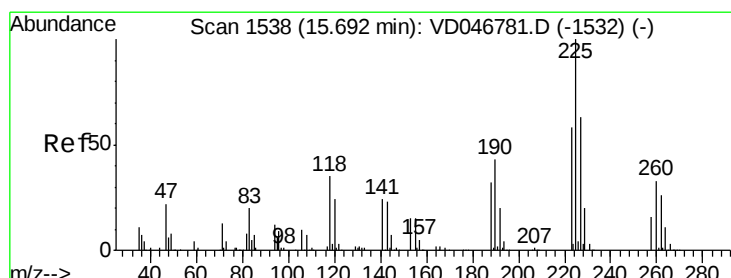
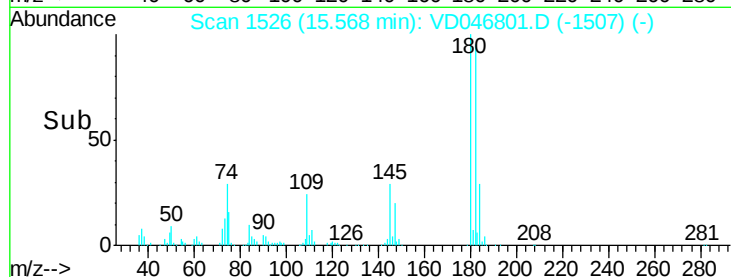
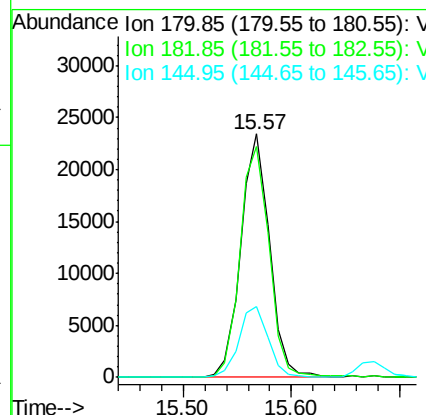
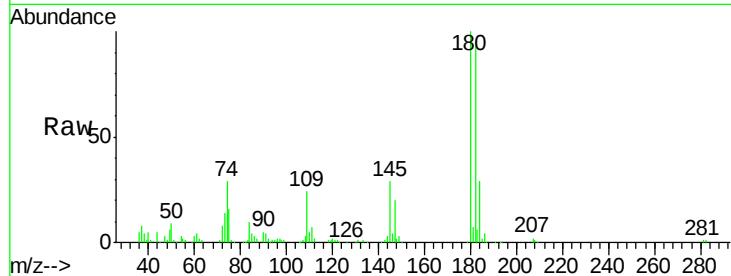
#93
 1,2,4-Trichlorobenzene
 Concen: 21.21 ug/l
 RT: 15.57 min Scan# 1526
 Delta R.T. -0.02 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.5	142.5
145	29.2	14.6	44.0

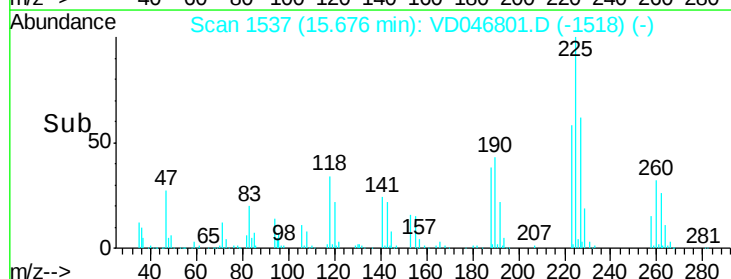
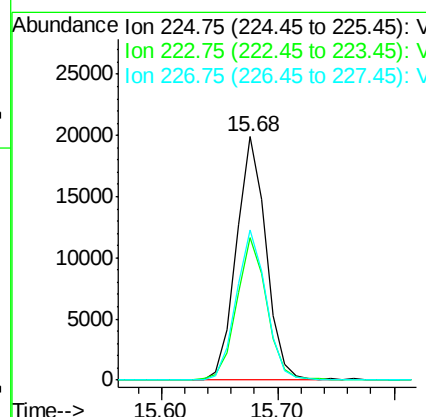
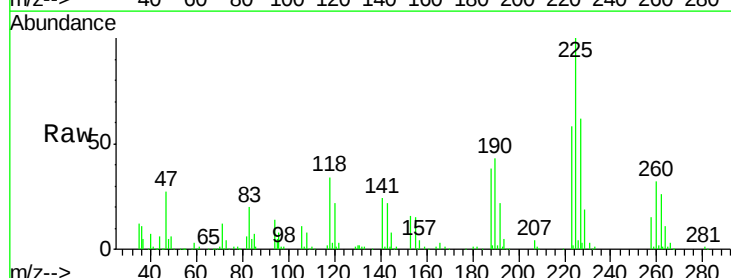
Manual Integrations
 APPROVED

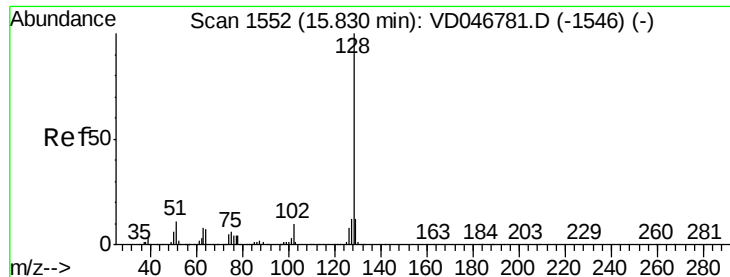
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 20.93 ug/l
 RT: 15.68 min Scan# 1537
 Delta R.T. -0.02 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.5	30.4	91.2
227	61.5	31.3	93.9





#95

Naphthalene

Concen: 19.58 ug/l

RT: 15.81 min Scan# 1551

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

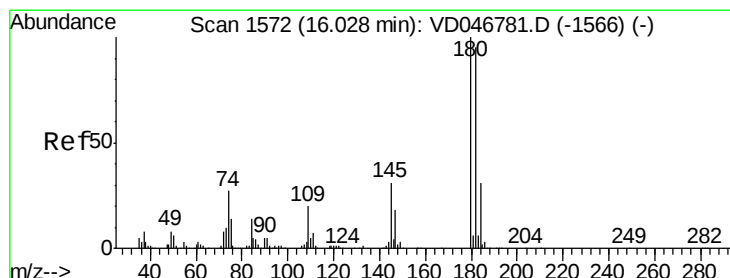
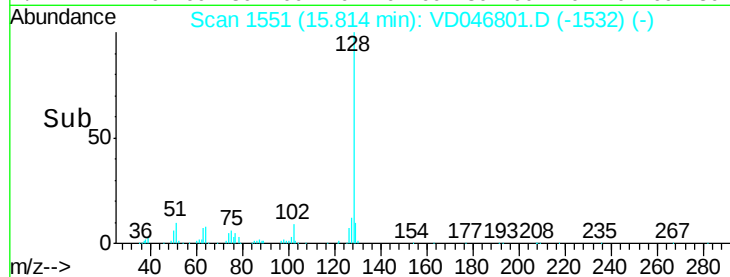
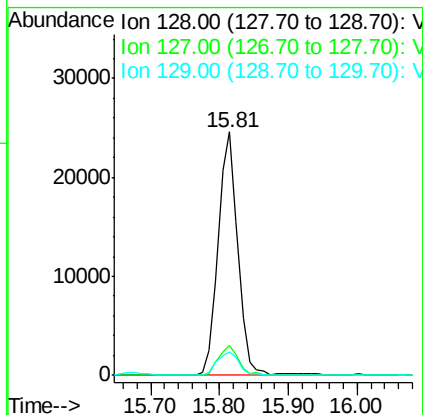
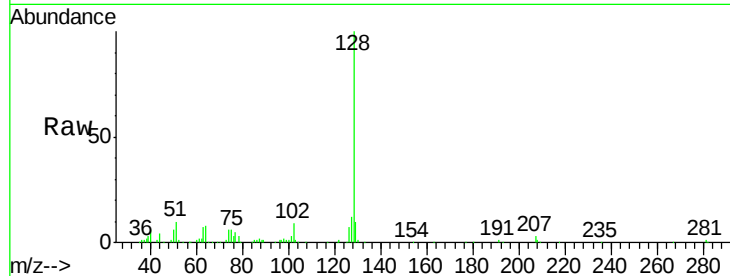
ClientSampleId :

VD0921SBSD01

Tot Ion:	128	Resp:	48732
Ion Ratio	Lower	Upper	
128	100		
127	12.5	9.8	14.6
129	9.7	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 21.24 ug/l

RT: 16.01 min Scan# 1571

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Tgt Ion:	180	Resp:	36172
Ion Ratio	Lower	Upper	
180	100		
182	88.5	47.4	142.3
145	31.7	15.4	46.4

