

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092315\
 Data File : VD046859.D
 Acq On : 23 Sep 2015 17:46
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µm/5mL/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/24/2015 12:56:59 PM

Quant Time: Sep 24 03:17:18 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	162466	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	197956	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.57	117	198180	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.90	152	112726	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.70	65	85800	50.79	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.58%	
35) Dibromofluoromethane	6.19	113	80954	52.27	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	104.54%	
50) Toluene-d8	9.60	98	255023	52.19	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.38%	
62) 4-Bromofluorobenzene	12.84	95	107611	54.70	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.41	85	75311	51.05	ug/l	100
3) Chlorodifluoromethane	1.43	51	51804	41.10	ug/l #	87
4) Chloromethane	1.57	50	40058	41.83	ug/l	97
5) Vinyl Chloride	1.67	62	41797	46.47	ug/l	98
6) Bromomethane	1.97	94	43710	56.67	ug/l	99
7) Chloroethane	2.07	64	32221	57.23	ug/l	99
8) Trichlorofluoromethane	2.32	101	151826	57.06	ug/l	97
9) Diethyl Ether	2.62	74	18257	38.71	ug/l	83
10) 1,1,2-Trichlorotrifluoroet	2.88	101	81905	49.20	ug/l	92
11) Methyl Iodide	3.04	142	91169	46.99	ug/l #	86
12) Tert butyl alcohol	3.67	59	10557	184.76	ug/l #	90
13) 1,1-Dichloroethene	2.86	96	62334	47.89	ug/l	89
14) Acrolein	2.77	56	21095	244.45	ug/l	92
15) Allyl chloride	3.31	41	120149	45.46	ug/l #	71
16) Acrylonitrile	3.83	53	44486	225.55	ug/l	96
17) Acetone	2.93	43	63521	222.56	ug/l	92
18) Carbon Disulfide	3.12	76	209346	42.93	ug/l	98
19) Methyl Acetate	3.32	43	76138	46.05	ug/l	96
20) Methyl tert-butyl Ether	3.89	73	103755	50.88	ug/l	93
21) Methylene Chloride	3.49	84	71597	46.20	ug/l	87
22) trans-1,2-Dichloroethene	3.88	96	64082	43.66	ug/l	95
23) Diisopropyl ether	4.64	45	215494	49.12	ug/l #	91
24) Vinyl Acetate	4.59	43	230362m	225.56	ug/l	
25) 1,1-Dichloroethane	4.55	63	130769	48.39	ug/l	98
26) 2-Butanone	5.43	43	73989	230.66	ug/l #	91
27) 2,2-Dichloropropane	5.40	77	149383	53.80	ug/l	94
28) cis-1,2-Dichloroethene	5.41	96	77692	50.84	ug/l	93
29) Bromochloromethane	5.77	49	51624	48.48	ug/l	86
30) Chloroform	5.96	83	178233	54.37	ug/l	98
31) Cyclohexane	6.26	56	108113	42.64	ug/l #	81
32) 1,1,1-Trichloroethane	6.16	97	162635	55.72	ug/l	97
36) 1,1-Dichloropropene	6.41	75	123862	53.54	ug/l	99
37) Ethyl Acetate	5.52	43	34699	46.69	ug/l	96
38) Carbon Tetrachloride	6.39	117	140241	58.34	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.07	83	122731	52.36	µg/l	94
40) Benzene	6.71	78	309541	52.41	µg/l	98
41) Methacrylonitrile	5.74	41	22130	53.10	µg/l #	93
42) 1,2-Dichloroethane	6.81	62	112127	61.13	µg/l	96
43) Isopropyl Acetate	8.39	43	50400	51.45	µg/l #	94
44) Trichloroethene	7.73	130	81947	55.43	µg/l	89
45) 1,2-Dichloropropane	8.13	63	75999	51.94	µg/l	97
46) Dibromomethane	8.25	93	47291	56.92	µg/l	92
47) Bromodichloromethane	8.55	83	128305	58.84	µg/l	97
48) Methyl methacrylate	8.07	41	77266	51.59	µg/l #	87
49) 1,4-Dioxane	8.27	88	5728	1033.92	µg/l #	83
51) 4-Methyl-2-Pentanone	9.47	43	190678	269.39	µg/l	95
52) Toluene	9.70	92	206279	56.63	µg/l	99
53) t-1,3-Dichloropropene	10.11	75	95600	59.38	µg/l	95
54) cis-1,3-Dichloropropene	9.22	75	118545	57.18	µg/l	96
55) 1,1,2-Trichloroethane	10.38	97	52961	56.15	µg/l	97
56) Ethyl methacrylate	10.22	69	49148	50.21	µg/l	94
57) 1,3-Dichloropropane	10.59	76	98319	56.05	µg/l	96
58) 2-Chloroethyl Vinyl ether	9.01	63	125940	270.27	µg/l	95
59) 2-Hexanone	10.70	43	136793	267.50	µg/l	95
60) Dibromochloromethane	10.87	129	77668	60.00	µg/l	99
61) 1,2-Dibromoethane	11.00	107	51805	55.63	µg/l	94
64) Tetrachloroethene	10.45	164	83012	51.87	µg/l	93
65) Chlorobenzene	11.59	112	211655	50.74	µg/l	100
66) 1,1,1,2-Tetrachloroethane	11.71	131	83915	54.78	µg/l	96
67) Ethyl Benzene	11.71	91	455471	54.35	µg/l	99
68) m/p-Xylenes	11.87	106	285884	108.15	µg/l	89
69) o-Xylene	12.28	106	135143	56.79	µg/l	90
70) Styrene	12.30	104	234860	56.93	µg/l	97
71) Bromoform	12.49	173	46360	56.82	µg/l	99
73) Isopropylbenzene	12.66	105	419165	52.75	µg/l	97
74) N-amyl acetate	12.49	43	81059	41.45	µg/l	98
75) 1,1,2,2-Tetrachloroethane	12.98	83	62351	48.62	µg/l	90
76) 1,2,3-Trichloropropane	13.02	75	67569	49.25	µg/l	98
77) Bromobenzene	12.97	156	100357	50.22	µg/l	92
78) n-propylbenzene	13.06	91	583218	51.97	µg/l	96
79) 2-Chlorotoluene	13.15	91	320609	51.46	µg/l	98
80) 1,3,5-Trimethylbenzene	13.24	105	323485	51.09	µg/l	99
81) trans-1,4-Dichloro-2-buten	12.73	75	16986	45.36	µg/l	91
82) 4-Chlorotoluene	13.26	91	374831	50.55	µg/l	95
83) tert-Butylbenzene	13.53	119	296859m	51.99	µg/l	
84) 1,2,4-Trimethylbenzene	13.58	105	329021	51.62	µg/l	99
85) sec-Butylbenzene	13.72	105	439607	52.39	µg/l	94
86) p-Isopropyltoluene	13.86	119	341480	51.77	µg/l	98
87) 1,3-Dichlorobenzene	13.83	146	189516	50.83	µg/l	97
88) 1,4-Dichlorobenzene	13.93	146	185365	50.00	µg/l	98
89) n-Butylbenzene	14.21	91	381778	51.27	µg/l	96
90) Hexachloroethane	14.47	117	76639	50.12	µg/l	89
91) 1,2-Dichlorobenzene	14.23	146	163019	52.05	µg/l	96
92) 1,2-Dibromo-3-Chloropropan	14.88	75	8097	49.13	µg/l	73

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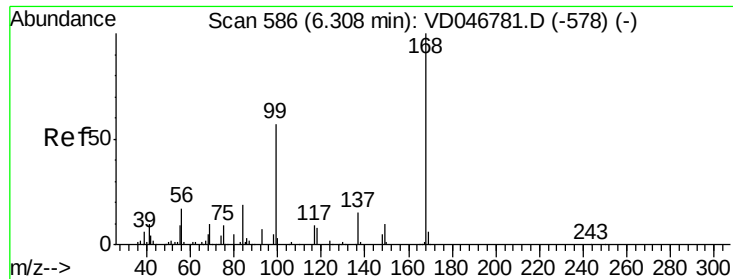
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.57	180	95621	53.02	ug/l	97
94) Hexachlorobutadiene	15.68	225	72388	48.76	ug/l	96
95) Naphthalene	15.81	128	118975	49.85	ug/l	99
96) 1,2,3-Trichlorobenzene	16.01	180	77555	51.46	ug/l	98

(#) = 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: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 162466

Ion Ratio Lower Upper

168 100

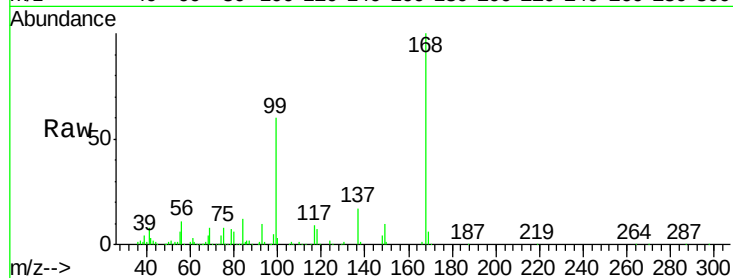
99 59.9 42.4 63.6

Manual Integrations

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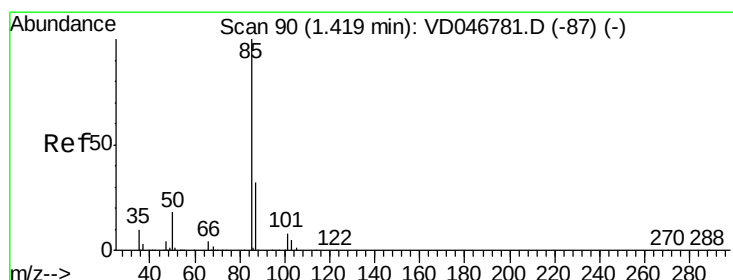
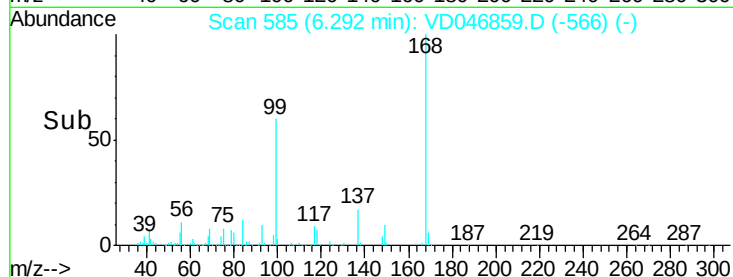
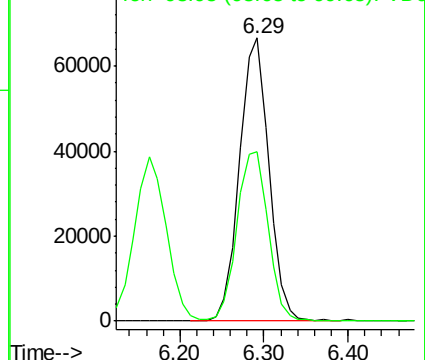
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 51.05 ug/l

RT: 1.41 min Scan# 90

Delta R.T. -0.01 min

Lab File: VD046859.D

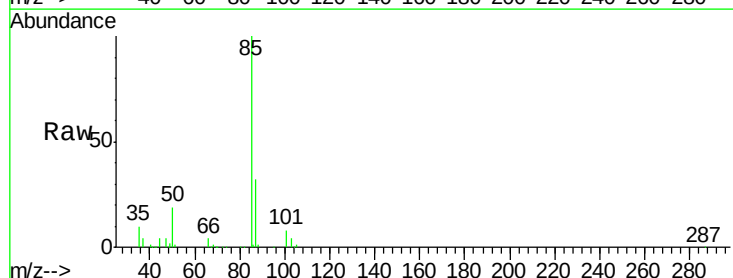
Acq: 23 Sep 2015 17:46

Tgt Ion: 85 Resp: 75311

Ion Ratio Lower Upper

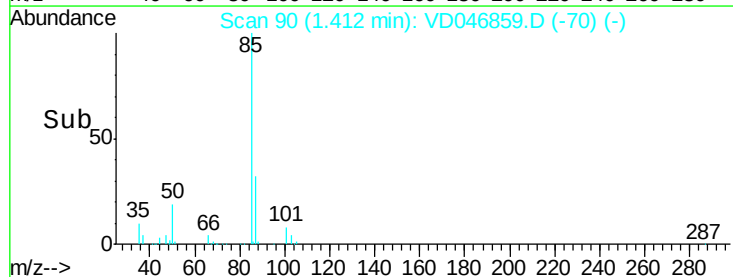
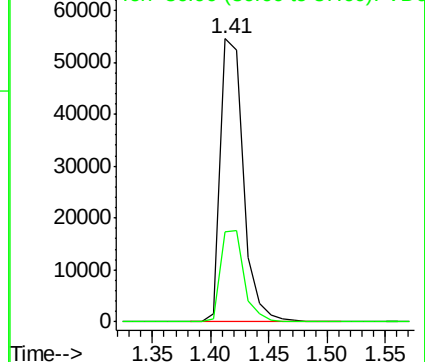
85 100

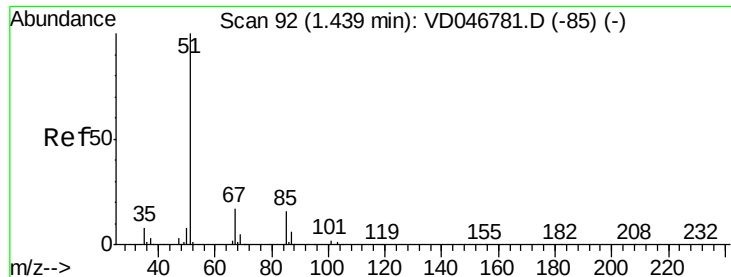
87 32.0 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chlorodifluoromethane

Concen: 41.10 ug/l

RT: 1.43 min Scan# 92

Delta R.T. -0.01 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 51 Resp: 51804

Ion Ratio Lower Upper

51 100

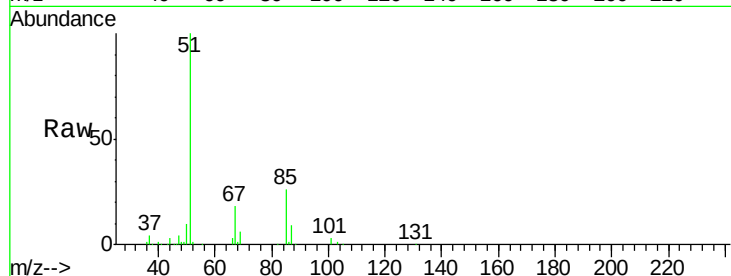
67 18.7 10.9 16.3#

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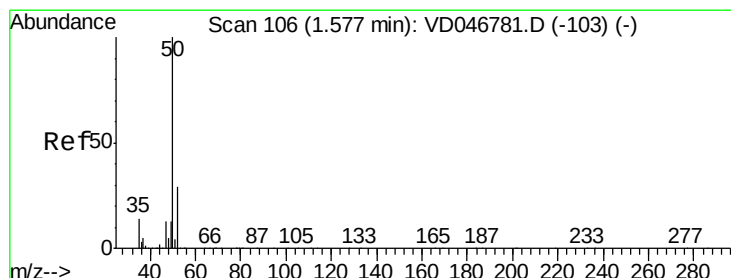
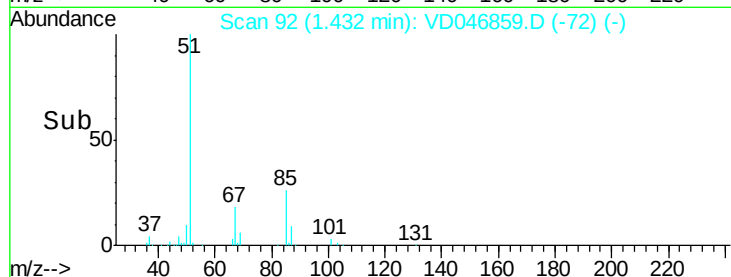
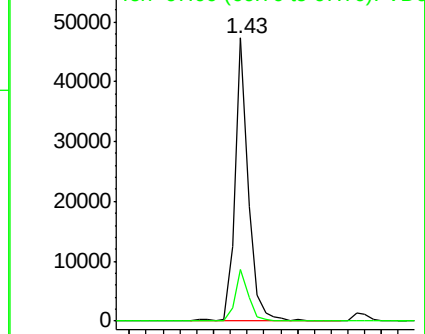
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Abundance Ion 51.00 (50.70 to 51.70): VDC

Ion 67.00 (66.70 to 67.70): VDC



#4

Chloromethane

Concen: 41.83 ug/l

RT: 1.57 min Scan# 106

Delta R.T. -0.01 min

Lab File: VD046859.D

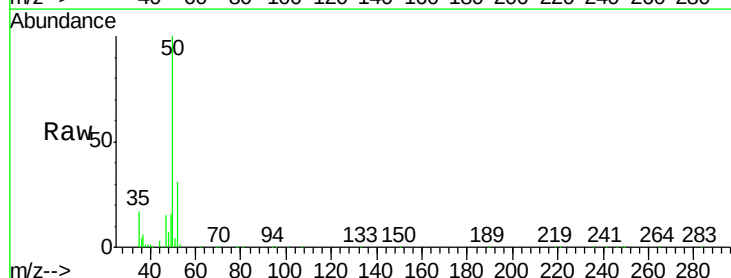
Acq: 23 Sep 2015 17:46

Tgt Ion: 50 Resp: 40058

Ion Ratio Lower Upper

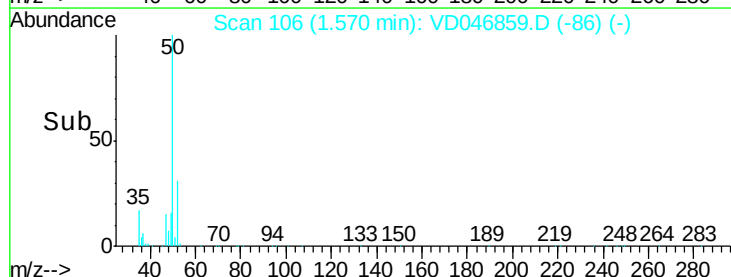
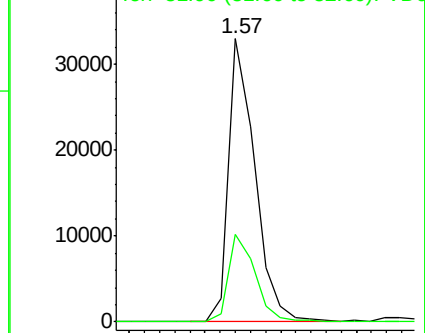
50 100

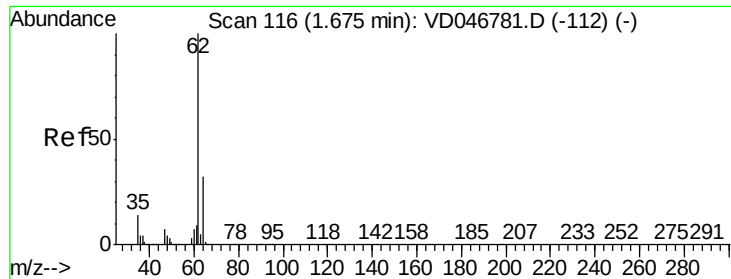
52 31.1 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Vinyl Chloride

Concen: 46.47 ug/l

RT: 1.67 min Scan# 116

Delta R.T. -0.01 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 62 Resp: 41797

Ion Ratio Lower Upper

62 100

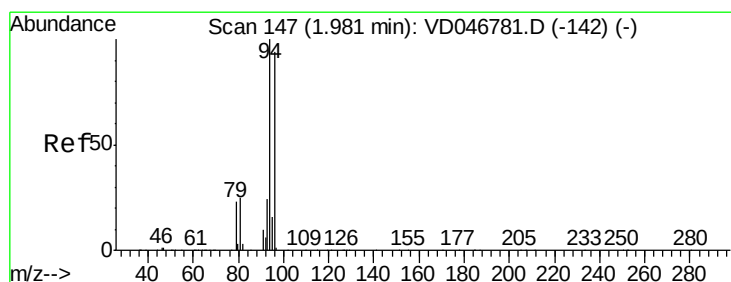
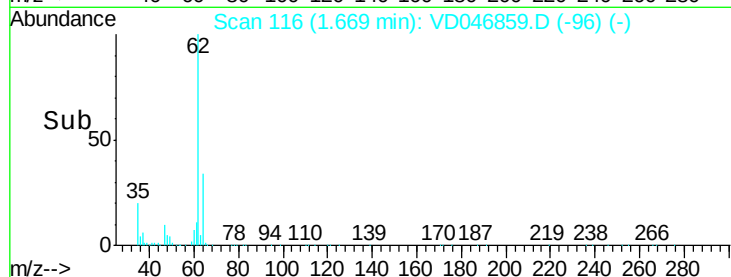
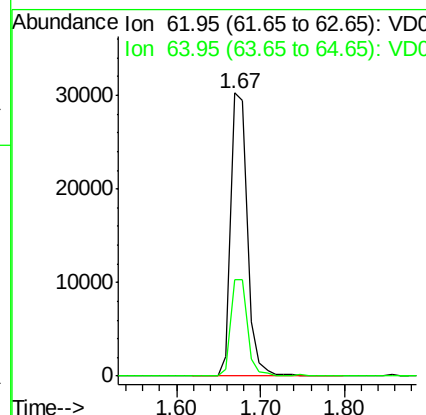
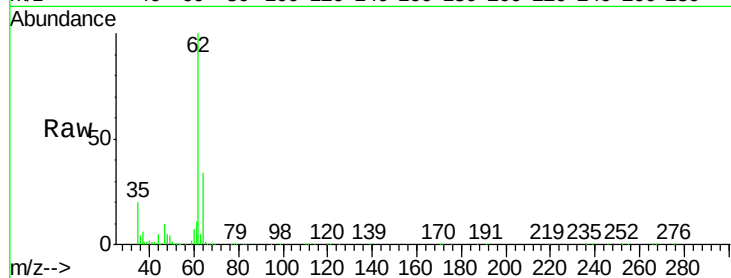
64 34.0 26.4 39.6

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#6

Bromomethane

Concen: 56.67 ug/l

RT: 1.97 min Scan# 147

Delta R.T. -0.01 min

Lab File: VD046859.D

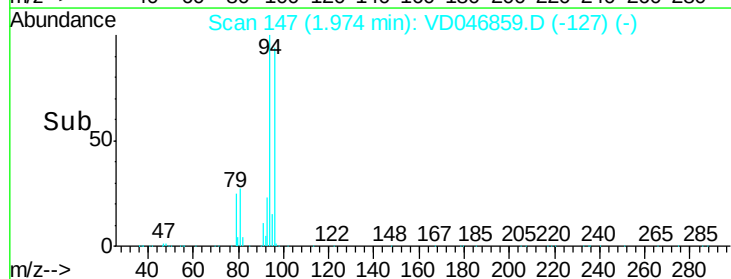
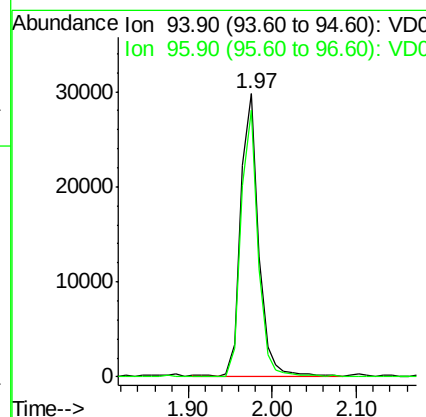
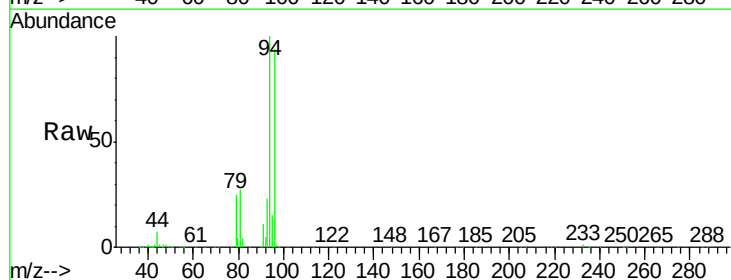
Acq: 23 Sep 2015 17:46

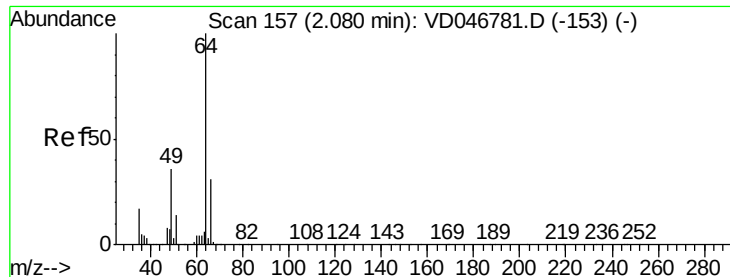
Tgt Ion: 94 Resp: 43710

Ion Ratio Lower Upper

94 100

96 94.1 76.0 114.0





#7

Chloroethane

Concen: 57.23 ug/l

RT: 2.07 min Scan# 157

Delta R.T. -0.01 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

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Tot Ion: 64 Resp: 32221

Ion Ratio Lower Upper

64 100

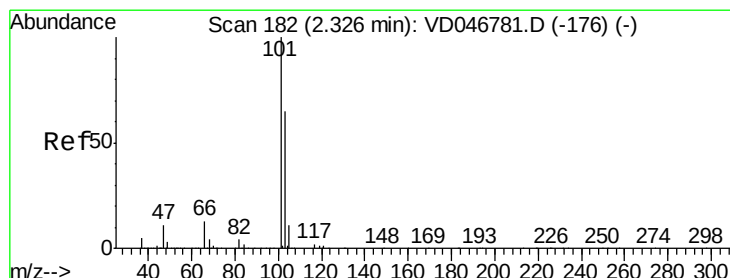
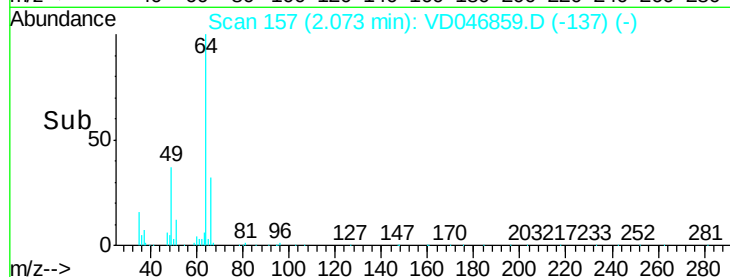
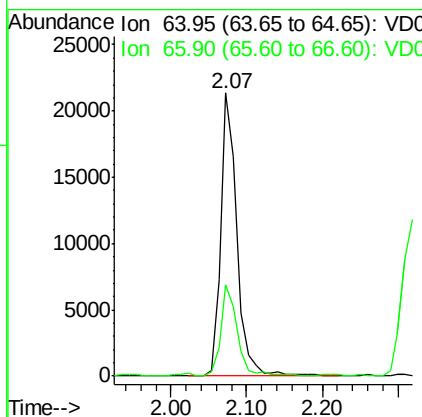
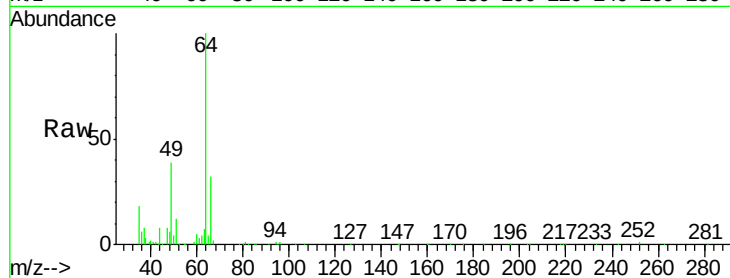
66 32.4 26.6 39.8

Manual Integrations

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#8

Trichlorofluoromethane

Concen: 57.06 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD046859.D

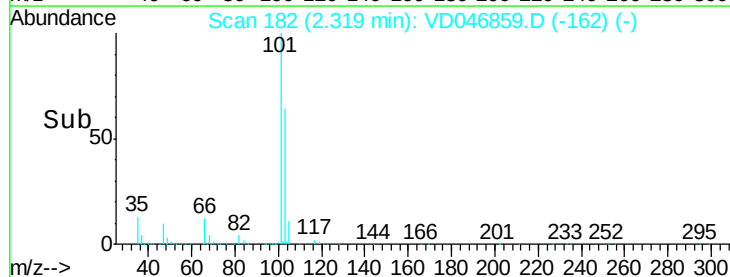
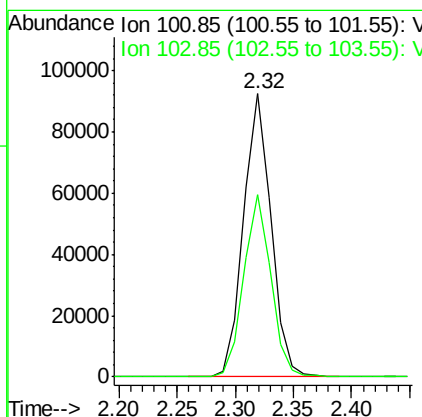
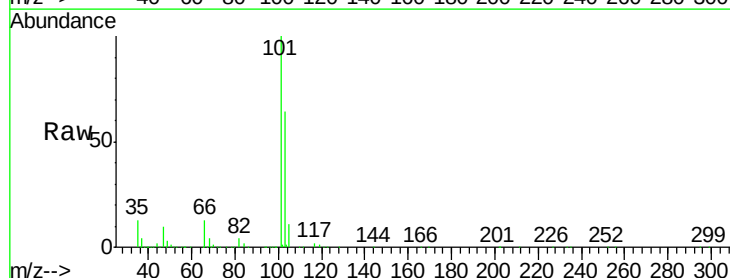
Acq: 23 Sep 2015 17:46

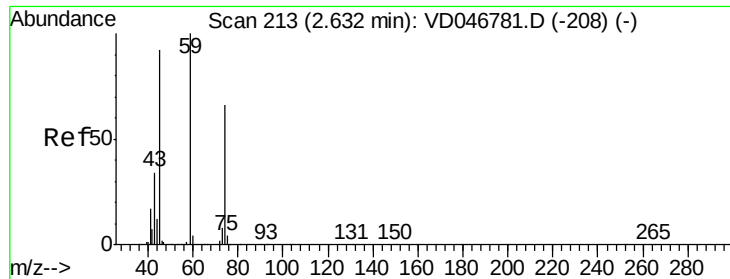
Tgt Ion: 101 Resp: 151826

Ion Ratio Lower Upper

101 100

103 64.3 53.2 79.8





#9

Diethyl Ether

Concen: 38.71 ug/l

RT: 2.62 min Scan# 213

Delta R.T. -0.01 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

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Tot Ion: 74 Resp: 18257

Ion Ratio Lower Upper

74 100

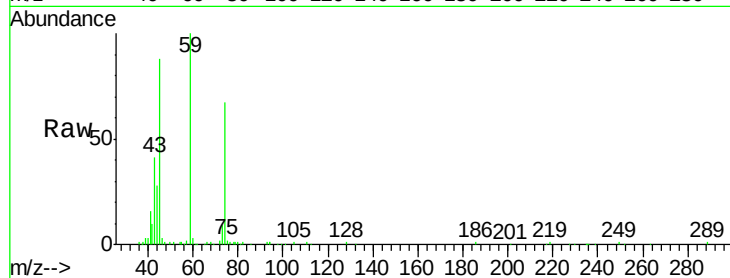
45 131.2 76.2 228.6

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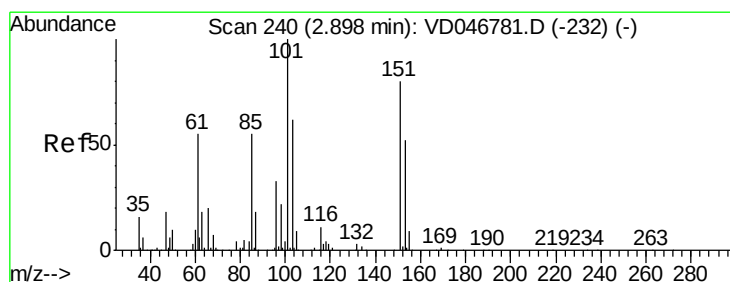
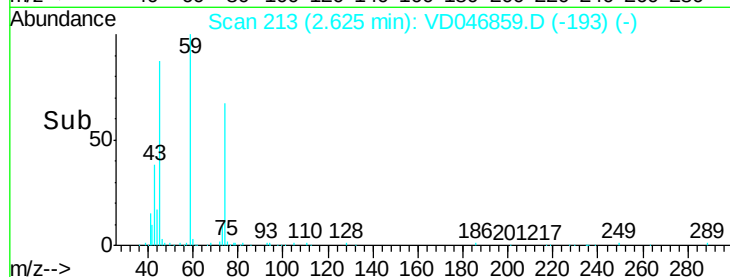
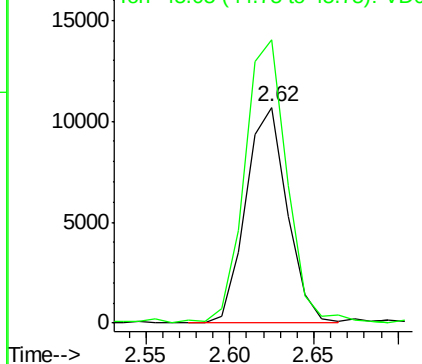
MMDadoda

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Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#10

1,1,2-Trichlorotrifluoroethane

Concen: 49.20 ug/l

RT: 2.88 min Scan# 239

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

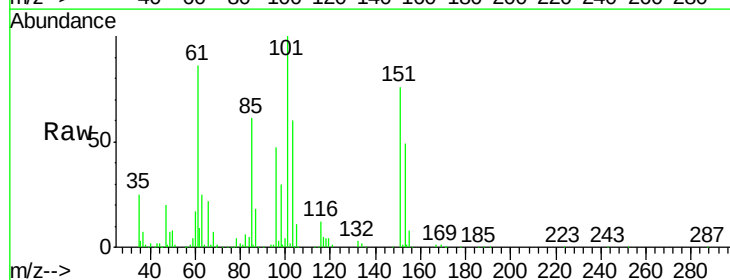
Tgt Ion: 101 Resp: 81905

Ion Ratio Lower Upper

101 100

85 60.5 42.0 63.0

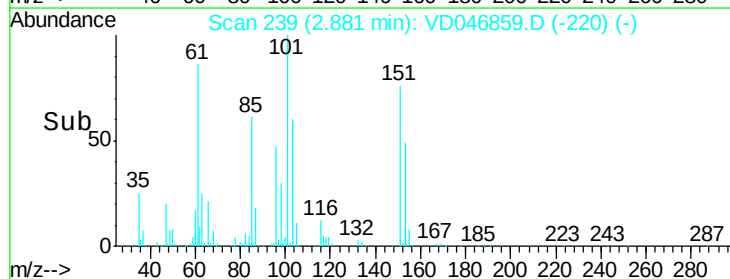
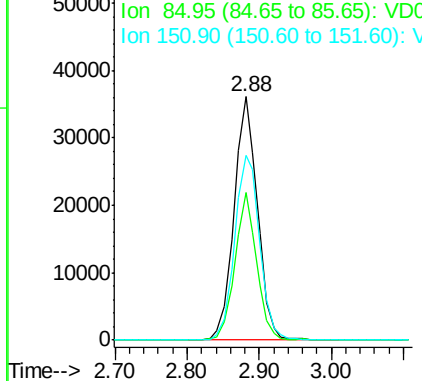
151 75.8 65.2 97.8

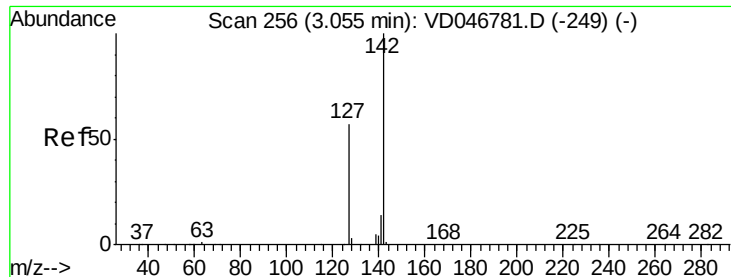


Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VDC

Ion 150.90 (150.60 to 151.60): V





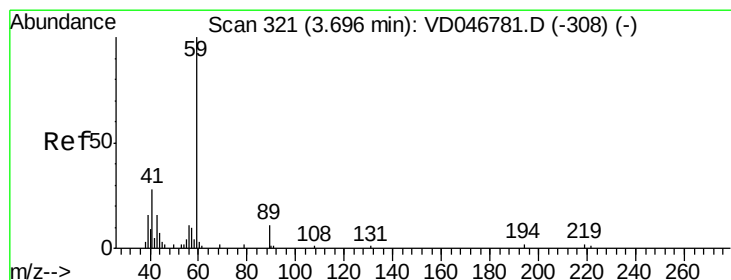
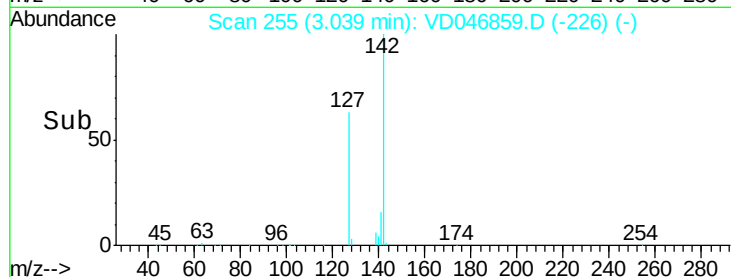
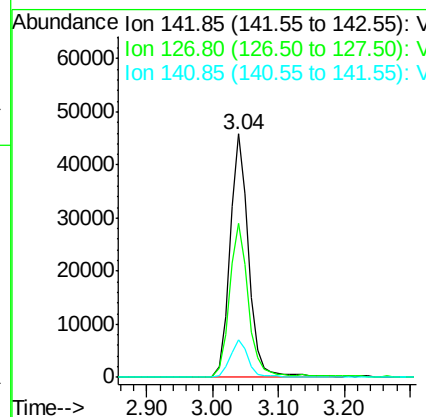
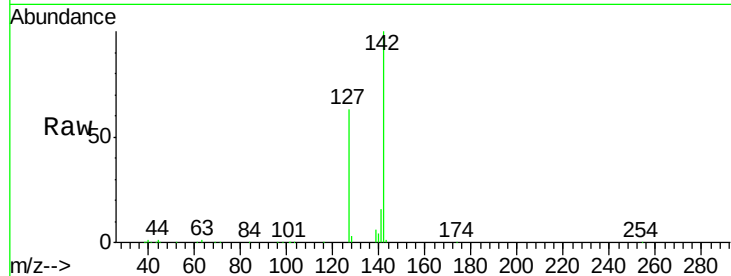
#11
Methvl Iodide
Concen: 46.99 ug/l
RT: 3.04 min Scan# 255
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	63.0	41.2	61.8#
141	15.7	11.6	17.4

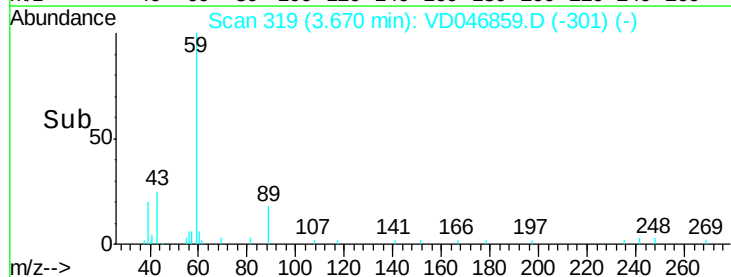
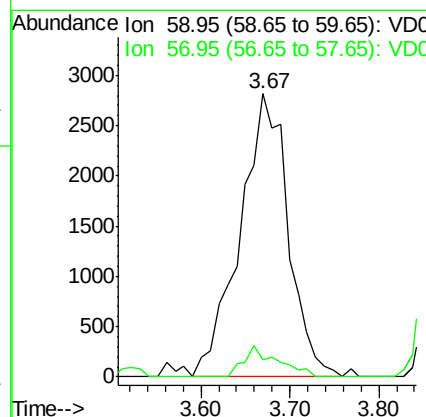
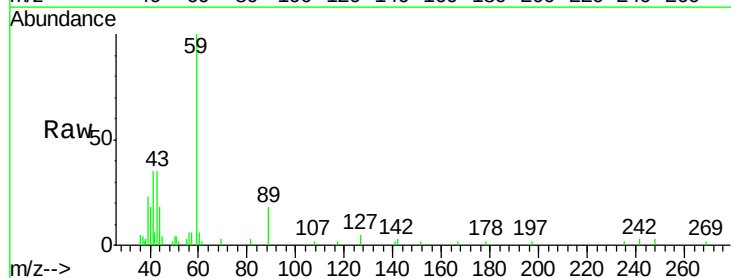
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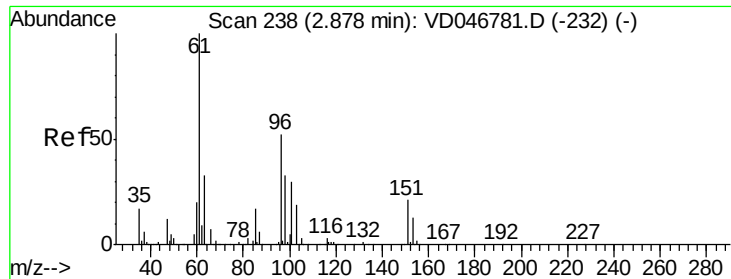
MMDadoda
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#12
Tert butyl alcohol
Concen: 184.76 ug/l
RT: 3.67 min Scan# 319
Delta R.T. -0.03 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion	Ratio	Lower	Upper
59	100		
57	5.9	7.8	11.6#





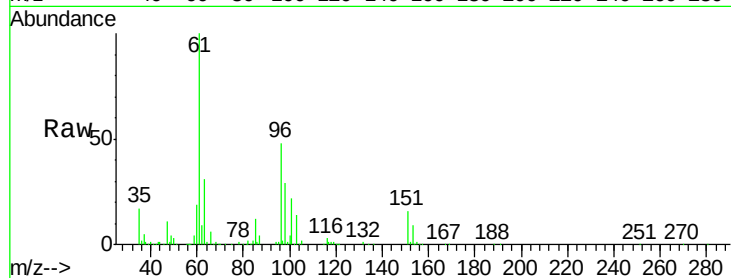
#13
 1,1-Dichloroethene
 Concen: 47.89 ug/l
 RT: 2.86 min Scan# 237
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

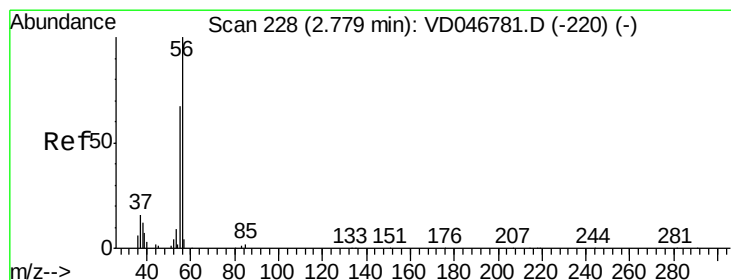
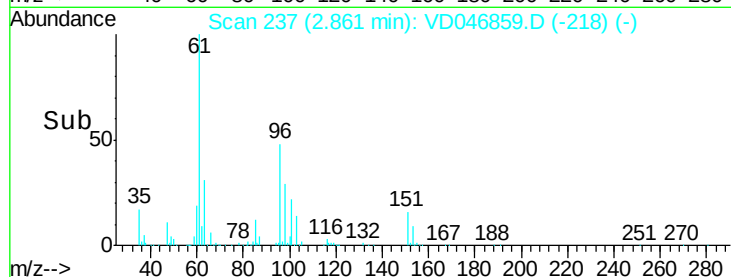
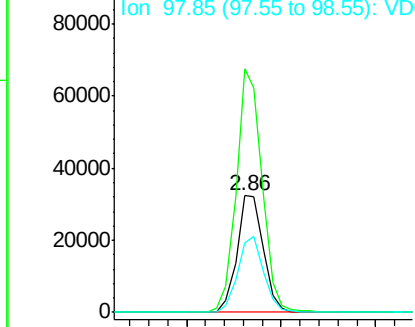
Tot Ion	Ratio	Lower	Upper
96	100		
61	208.7	152.2	228.4
98	59.8	51.2	76.8

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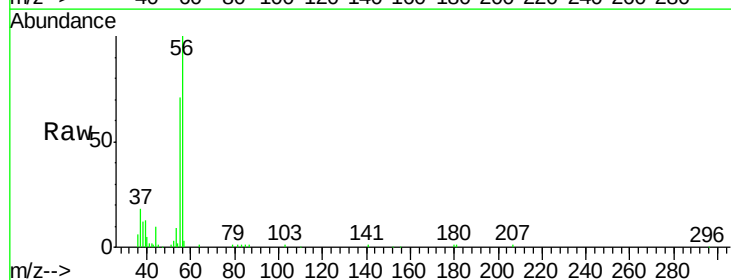


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

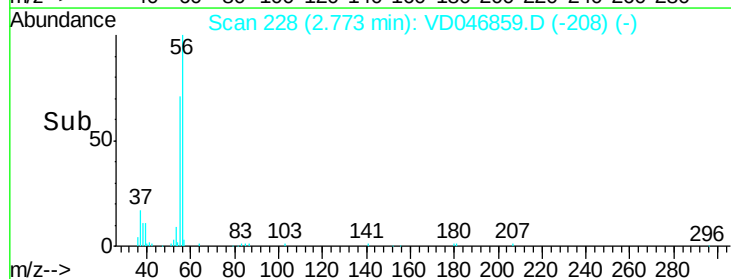
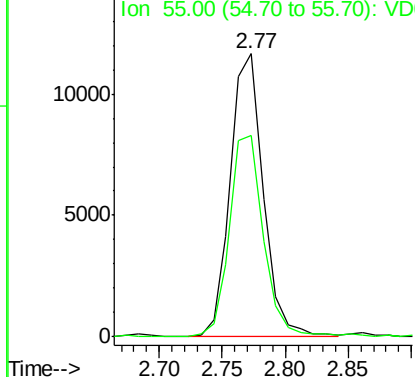


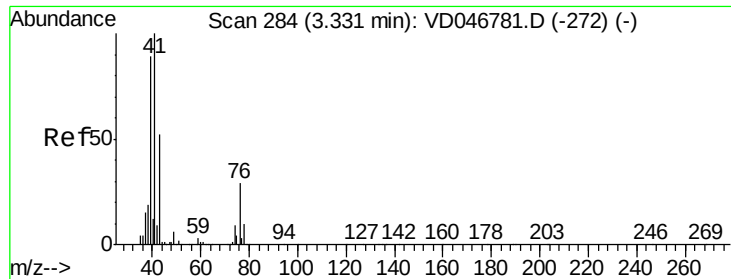
#14
 Acrolein
 Concen: 244.45 ug/l
 RT: 2.77 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Tgt Ion	Ratio	Lower	Upper
56	100		
55	71.3	62.6	93.8



Abundance Ion 55.95 (55.65 to 56.65): VDC
 Ion 55.00 (54.70 to 55.70): VDC





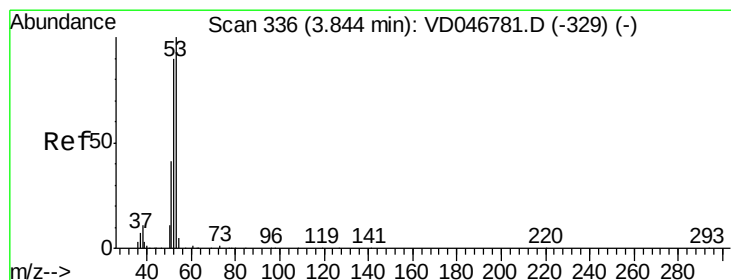
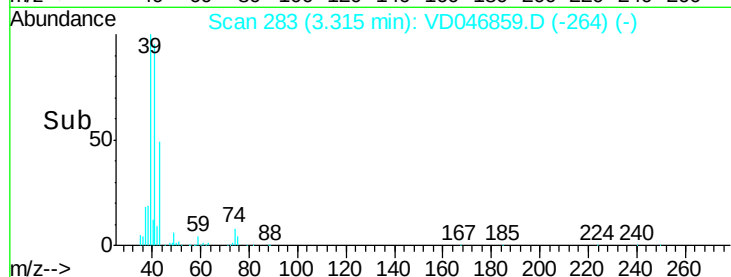
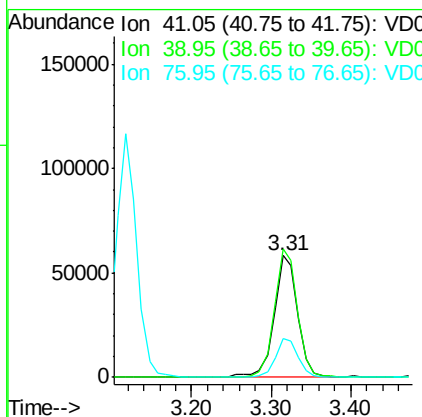
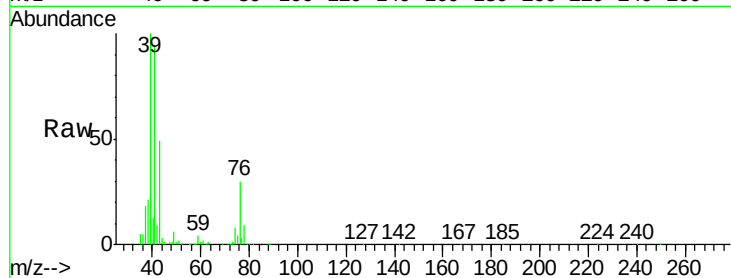
#15
Allvl chloride
Concen: 45.46 ug/l
RT: 3.31 min Scan# 283
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	106.0	58.8	88.2#
76	31.5	22.7	34.1

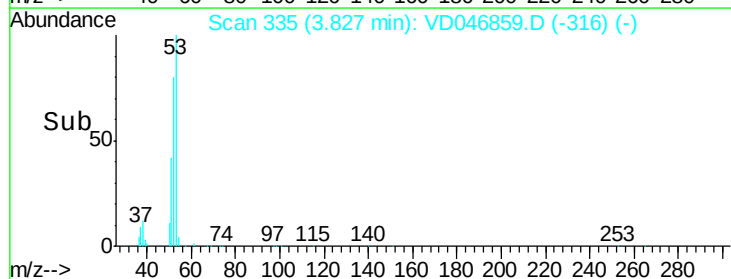
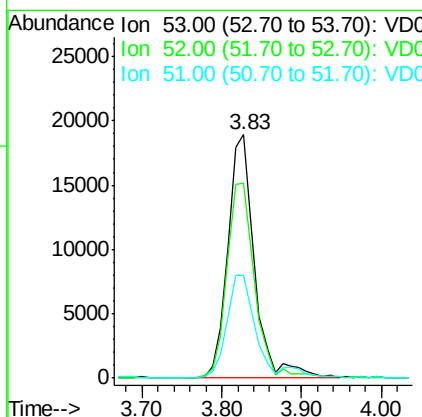
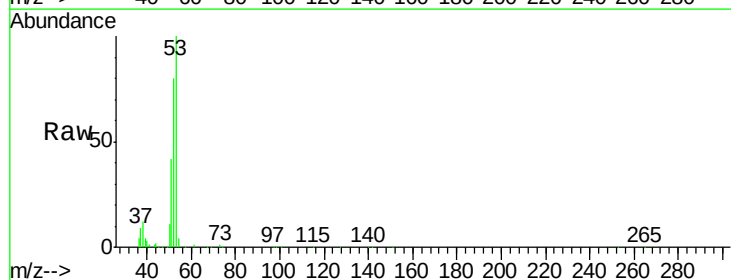
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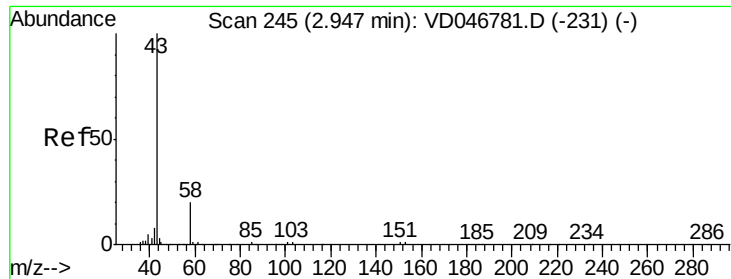
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#16
Acrylonitrile
Concen: 225.55 ug/l
RT: 3.83 min Scan# 335
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion	Ratio	Lower	Upper
53	100		
52	80.0	66.8	100.2
51	42.2	31.2	46.8





#17

Acetone

Concen: 222.56 ug/l

RT: 2.93 min Scan# 244

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 63521

Ion Ratio Lower Upper

43 100

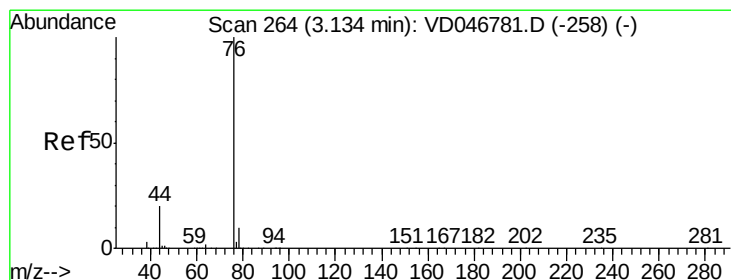
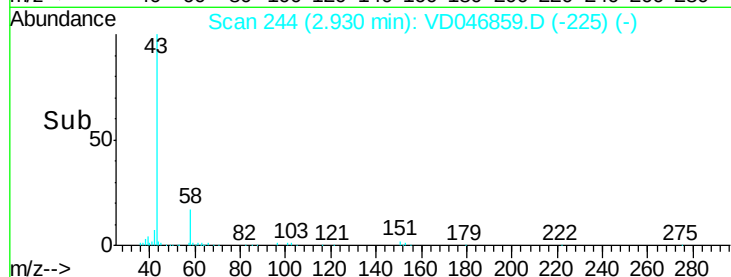
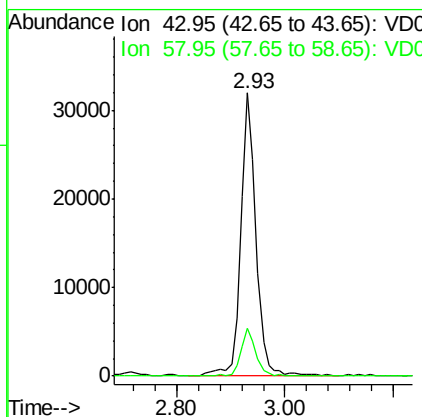
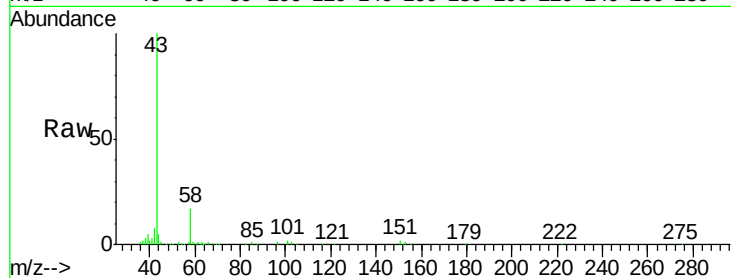
58 16.8 16.6 24.8

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#18

Carbon Disulfide

Concen: 42.93 ug/l

RT: 3.12 min Scan# 263

Delta R.T. -0.02 min

Lab File: VD046859.D

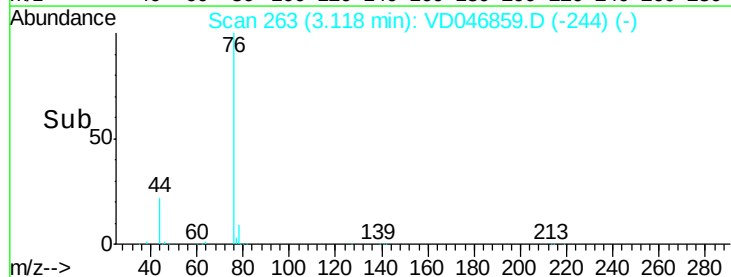
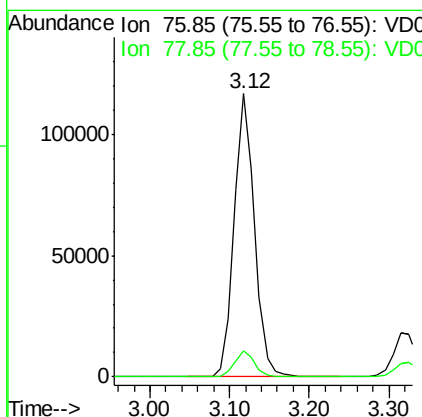
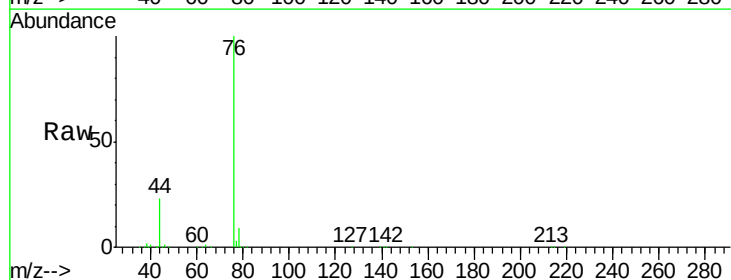
Acq: 23 Sep 2015 17:46

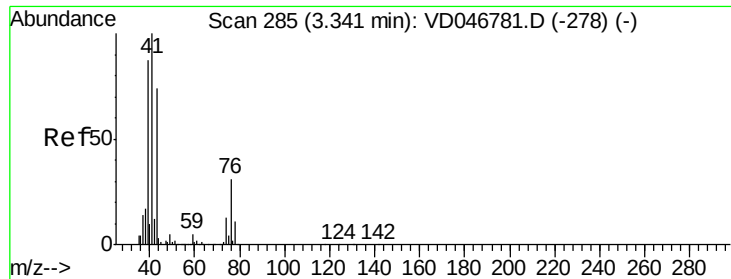
Tgt Ion: 76 Resp: 209346

Ion Ratio Lower Upper

76 100

78 9.4 8.0 12.0





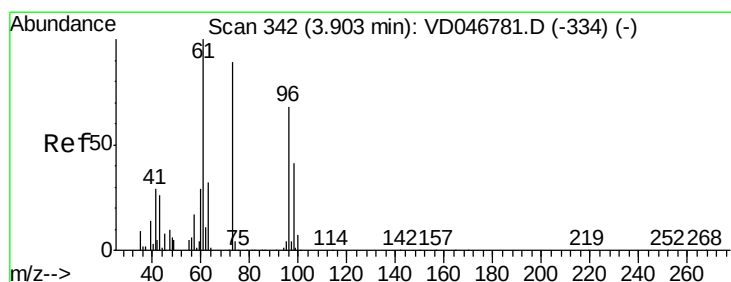
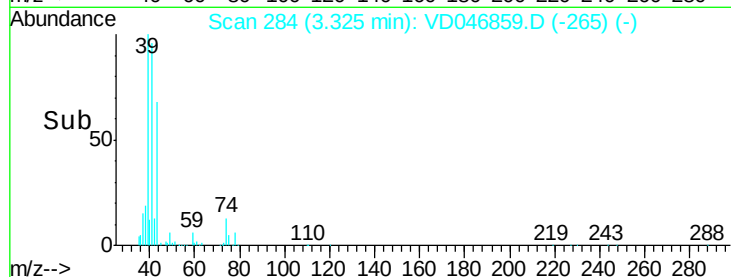
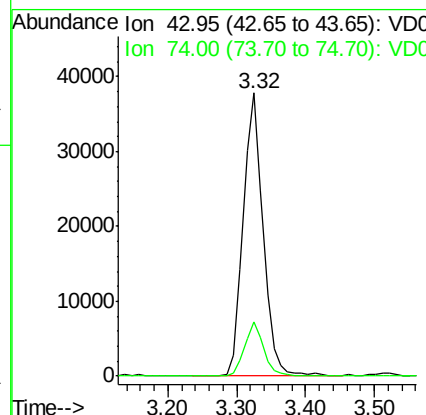
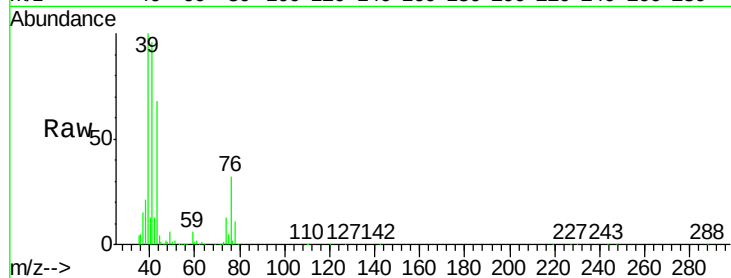
#19
Methvl Acetate
Concen: 46.05 ug/l
RT: 3.32 min Scan# 284
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	76138
Ion Ratio	100	Lower	Upper
74	19.0	13.7	20.5

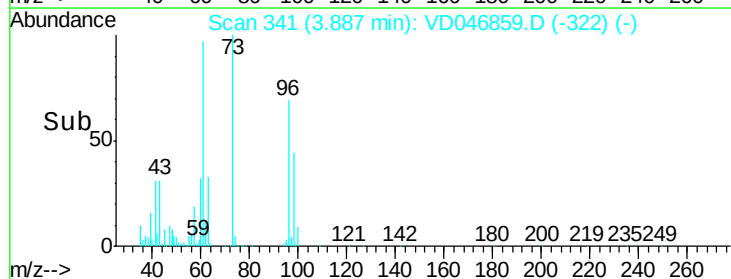
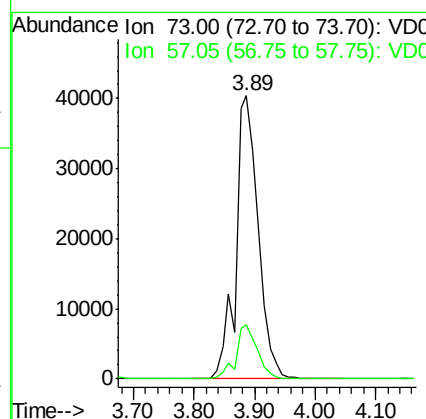
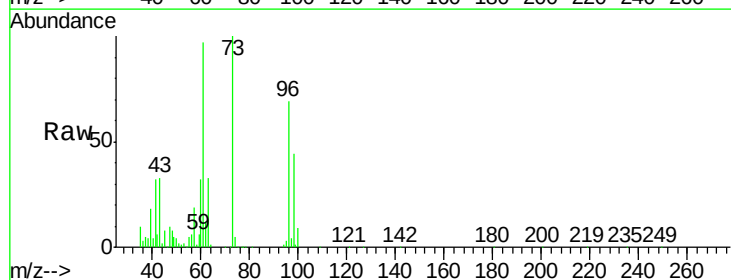
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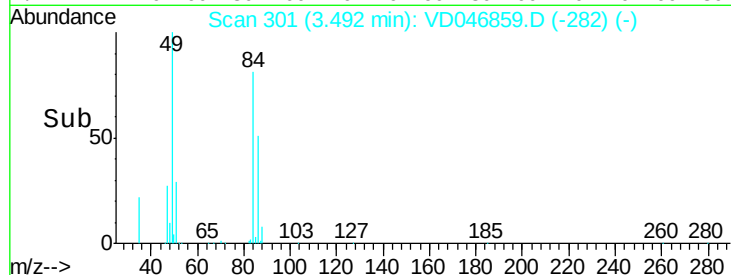
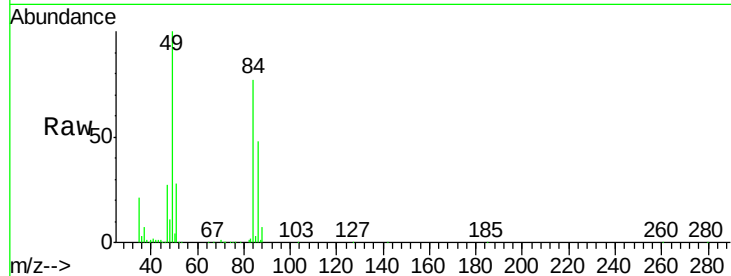
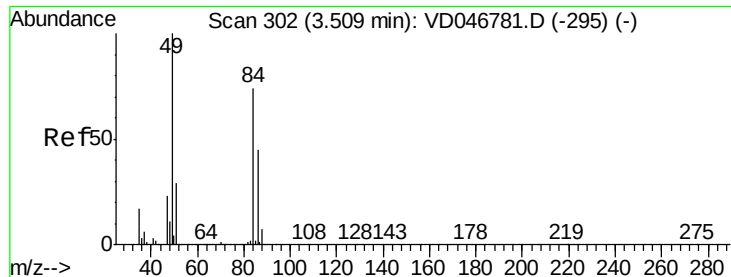
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#20
Methyl tert-butyl Ether
Concen: 50.88 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion	73	Resp	103755
Ion Ratio	100	Lower	Upper
57	19.0	18.1	27.1





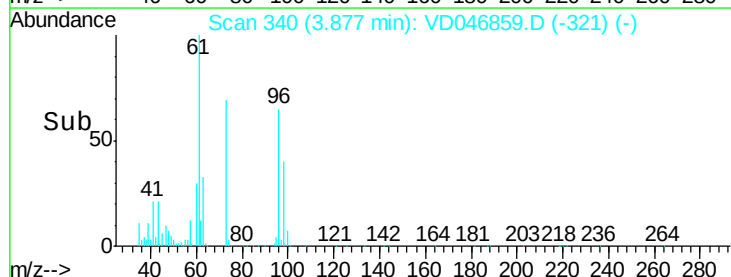
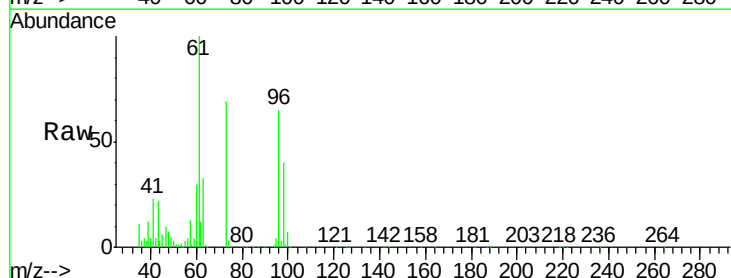
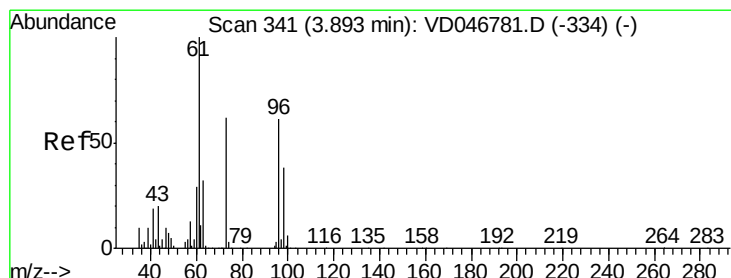
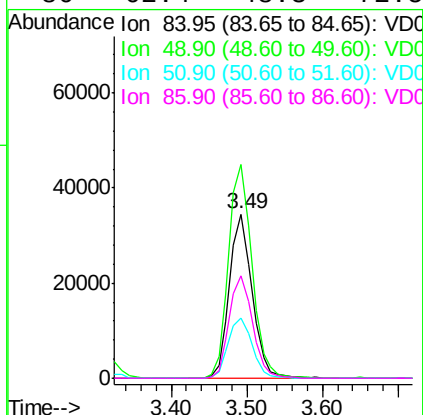
#21
Methylene Chloride
Concen: 46.20 ug/l
RT: 3.49 min Scan# 301
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	130.0	122.1	183.1	
51	36.9	33.6	50.4	
86	62.4	48.3	72.5	

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

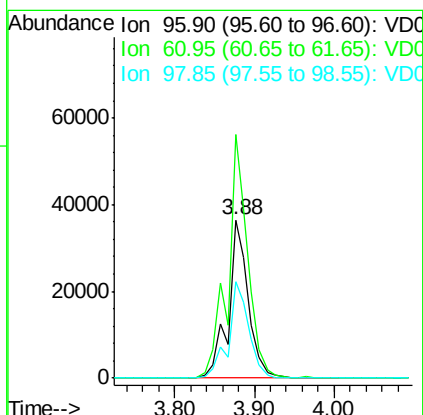
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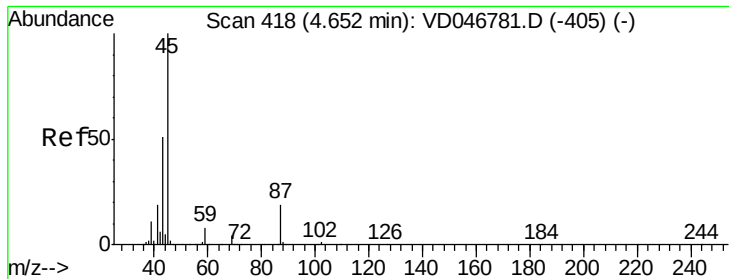
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#22
trans-1,2-Dichloroethene
Concen: 43.66 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion	Ion	Ratio	Lower	Upper
96	100			
61	153.7	125.8	188.6	
98	60.7	54.5	81.7	





#23

Diisopropyl ether

Concen: 49.12 ug/l

RT: 4.64 min Scan# 417

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

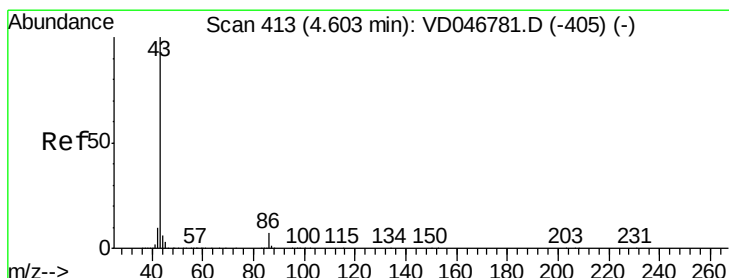
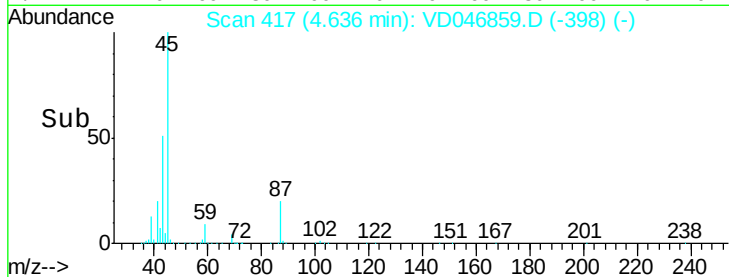
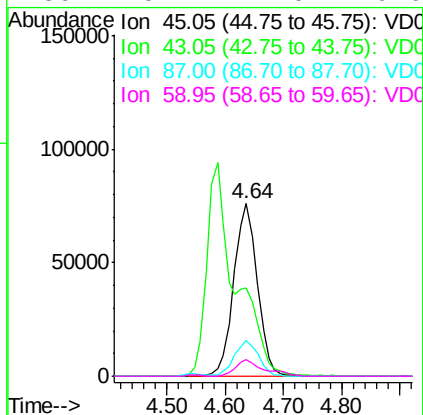
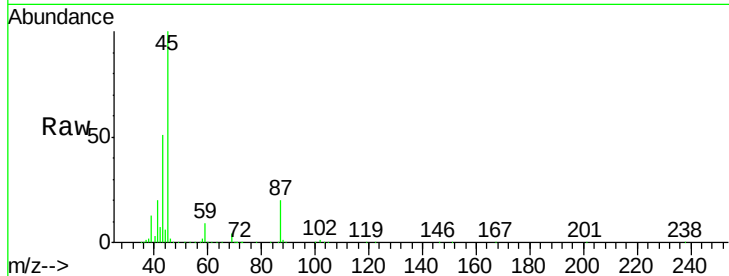
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
45	100		
43	51.4	35.9	53.9
87	20.5	13.0	19.6
59	9.4	7.0	10.6

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#24

Vinyl Acetate

Concen: 225.56 ug/l m

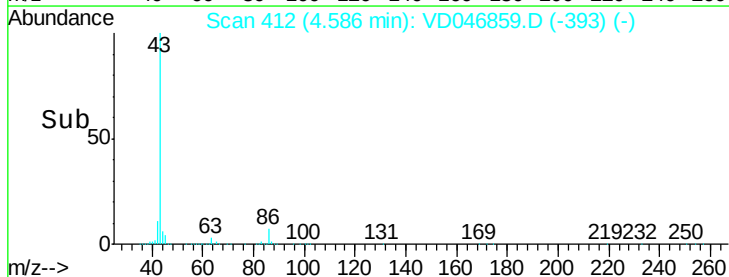
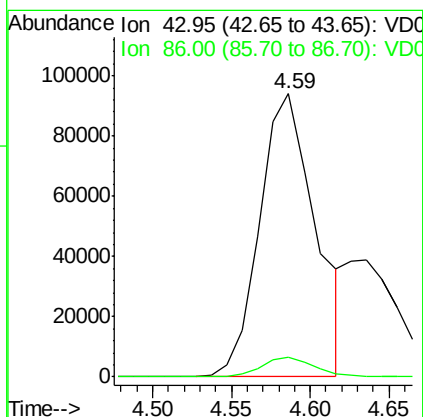
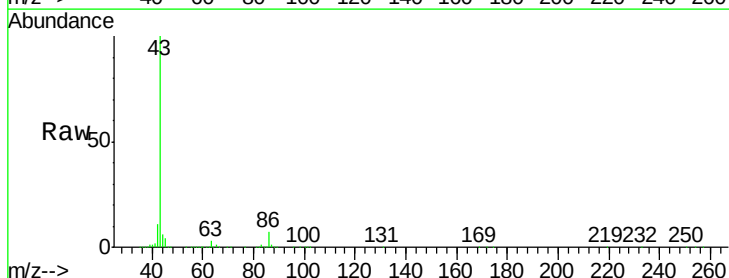
RT: 4.59 min Scan# 412

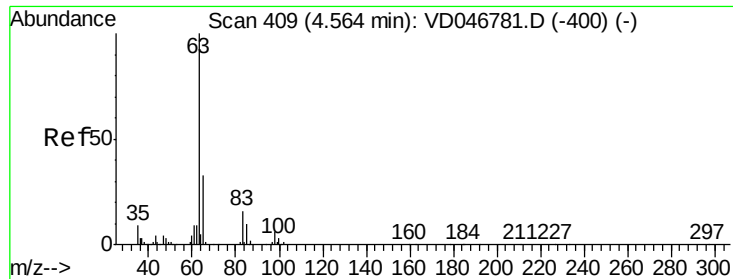
Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.1	4.9	7.3





#25

1,1-Dichloroethane

Concen: 48.39 ug/l

RT: 4.55 min Scan# 408

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

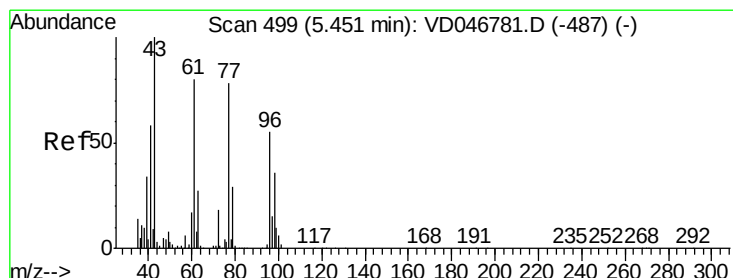
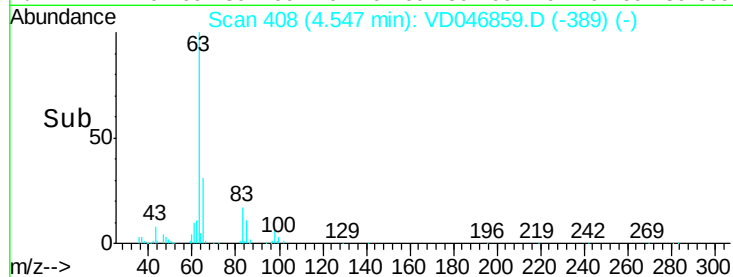
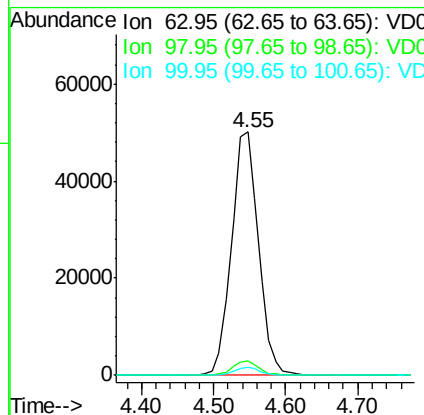
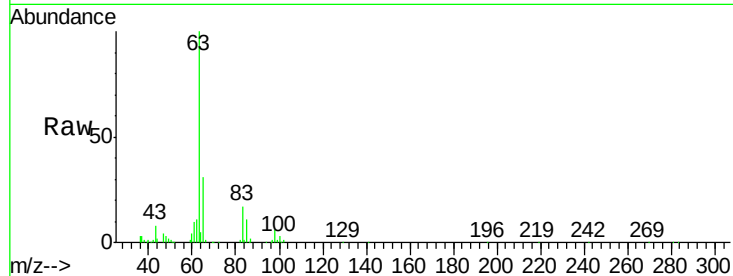
ClientSampleId :

VSTDCCC050EC

Tot Ion:	63	Resp:	130769
Ion Ratio		Lower	Upper
63	100		
98	6.0	2.5	7.5
100	3.4	1.5	4.5

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#26

2-Butanone

Concen: 230.66 ug/l

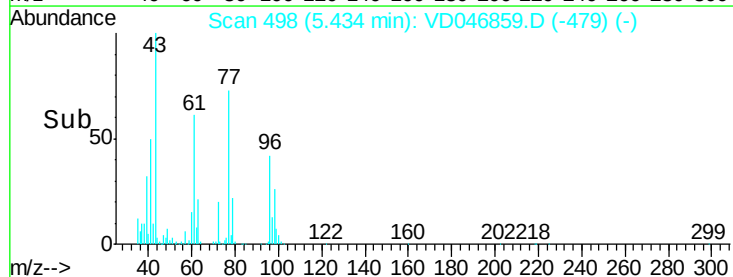
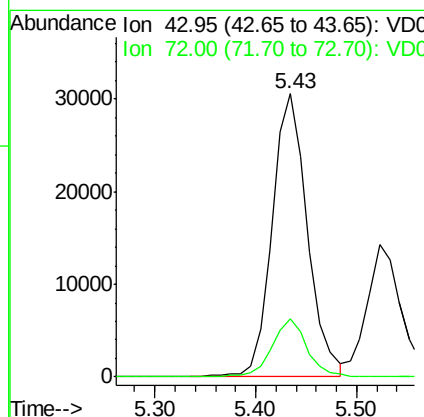
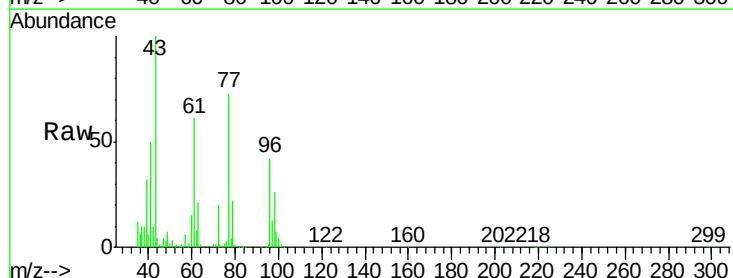
RT: 5.43 min Scan# 498

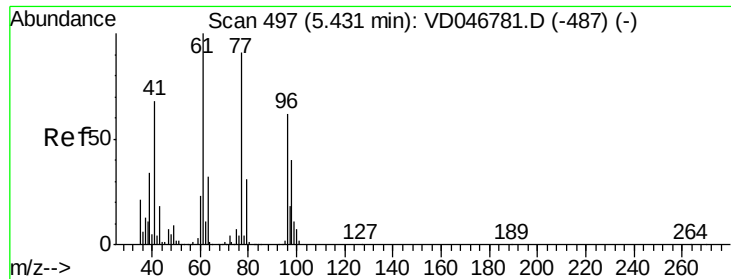
Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Tgt Ion:	43	Resp:	73989
Ion Ratio		Lower	Upper
43	100		
72	20.4	13.4	20.0#





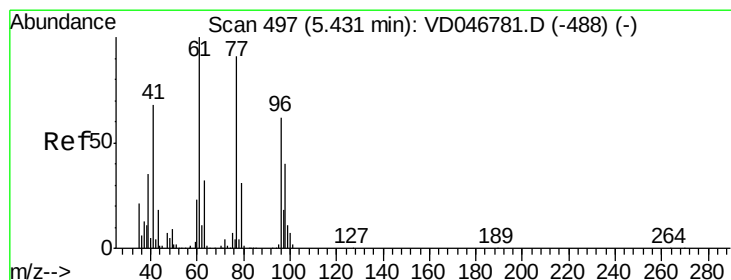
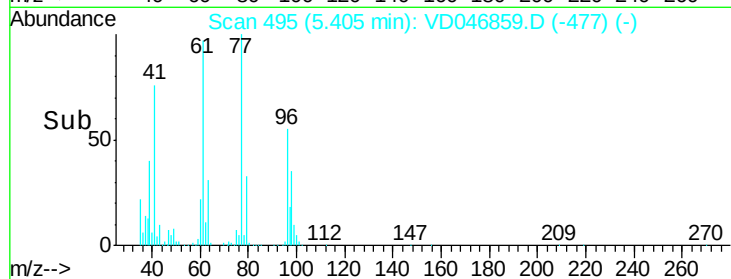
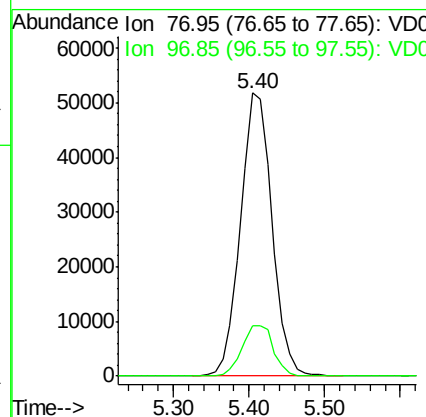
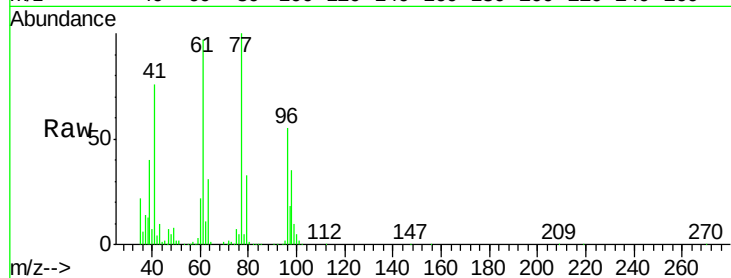
#27
 2,2-Dichloropropane
 Concen: 53.80 ug/l
 RT: 5.40 min Scan# 495
 Delta R.T. -0.03 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 77 Resp: 149383
 Ion Ratio Lower Upper
 77 100
 97 17.7 10.4 31.1

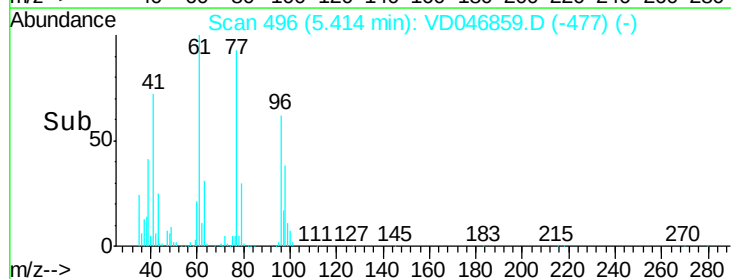
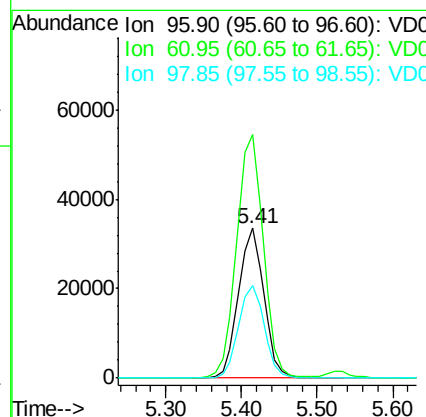
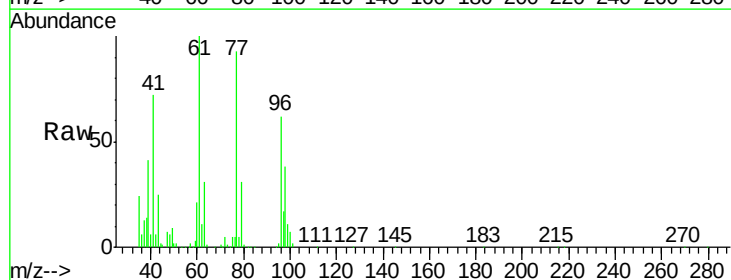
Manual Integrations
 APPROVED

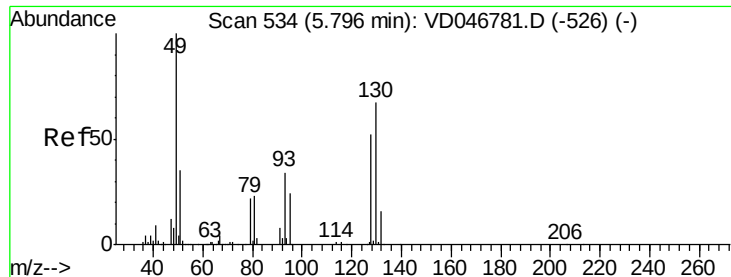
MMDadoda
 9/24/2015 12:56:59 PM



#28
 cis-1,2-Dichloroethene
 Concen: 50.84 ug/l
 RT: 5.41 min Scan# 496
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Tgt Ion: 96 Resp: 77692
 Ion Ratio Lower Upper
 96 100
 61 162.6 0.0 348.0
 98 62.2 0.0 128.8





#29

Bromochloromethane

Concen: 48.48 ug/l

RT: 5.77 min Scan# 532

Delta R.T. -0.03 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

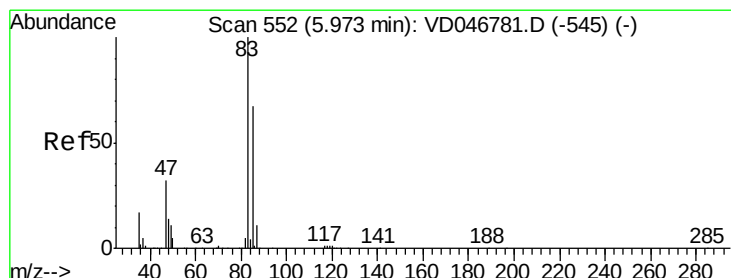
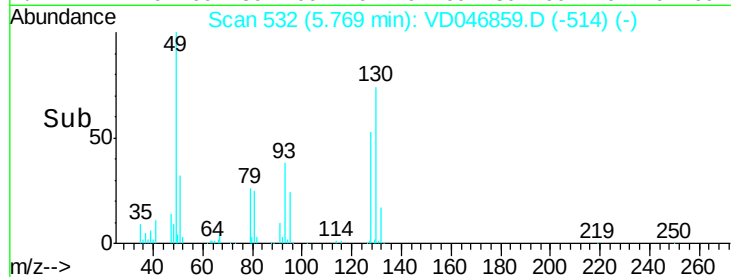
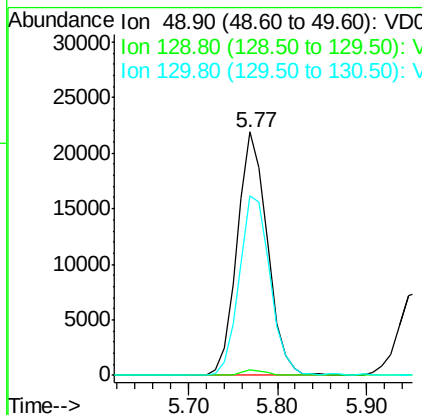
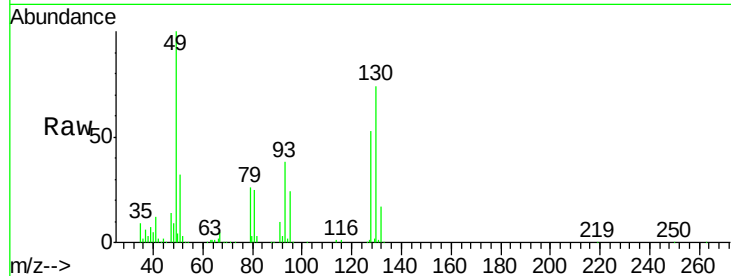
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	2.8
130	73.9	50.2	75.4

Manual Integrations
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#30

Chloroform

Concen: 54.37 ug/l

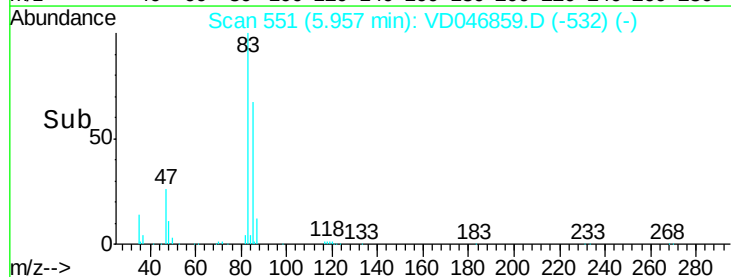
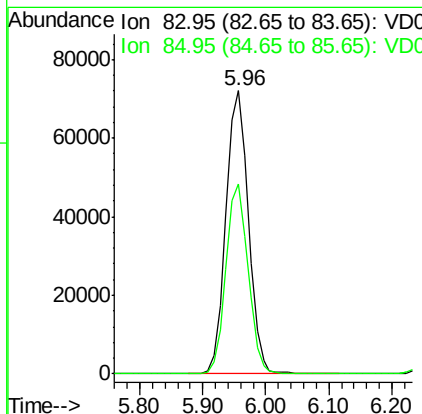
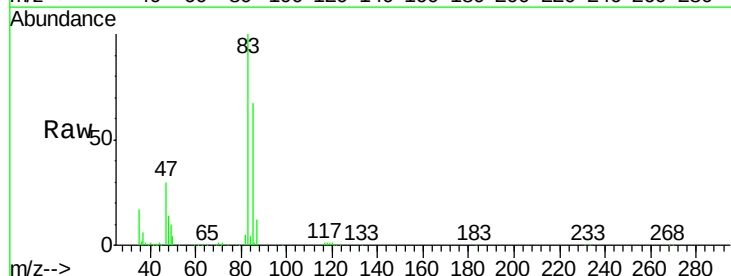
RT: 5.96 min Scan# 551

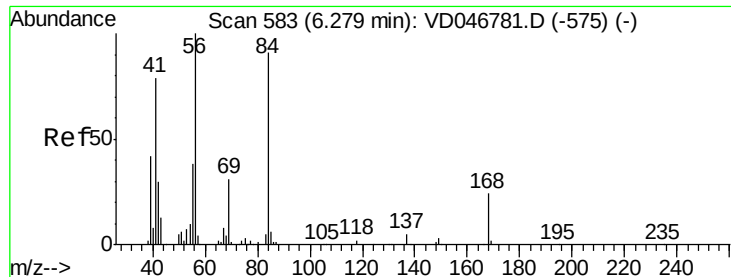
Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.5	78.7





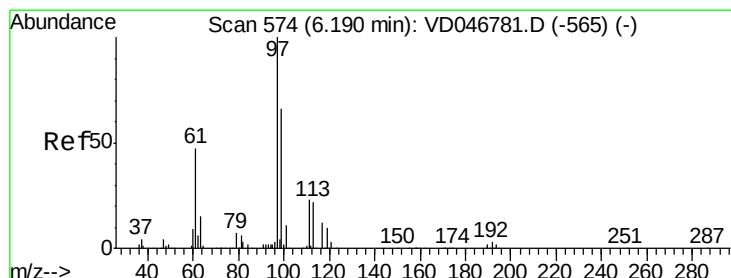
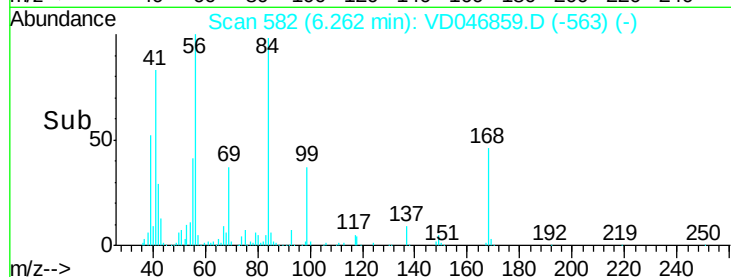
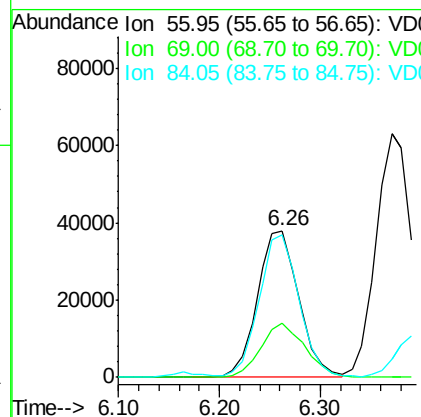
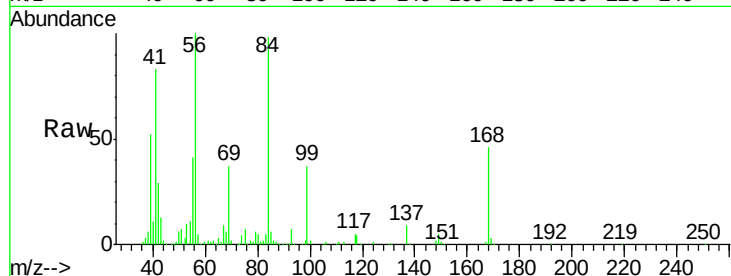
#31
Cyclohexane
Concen: 42.64 ug/l
RT: 6.26 min Scan# 582
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.7	23.4	35.0#
84	97.5	63.8	95.8#

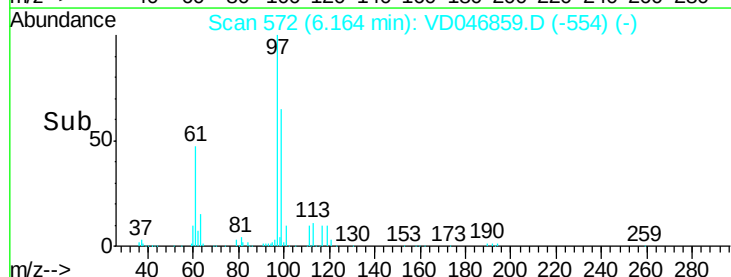
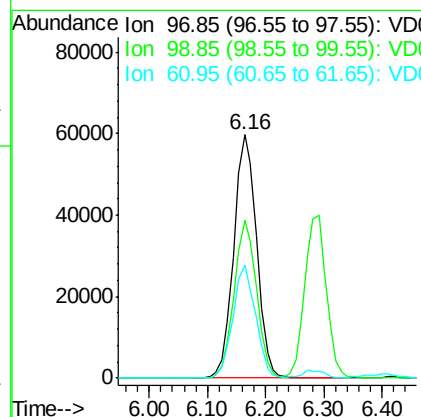
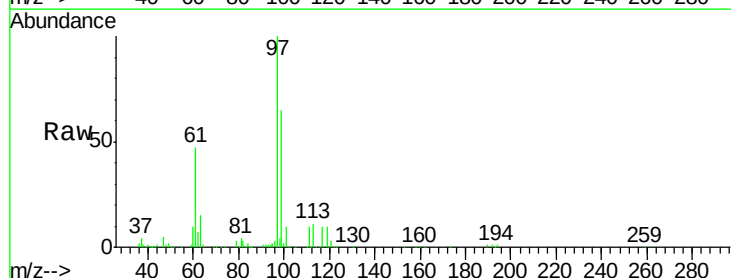
Manual Integrations
APPROVED

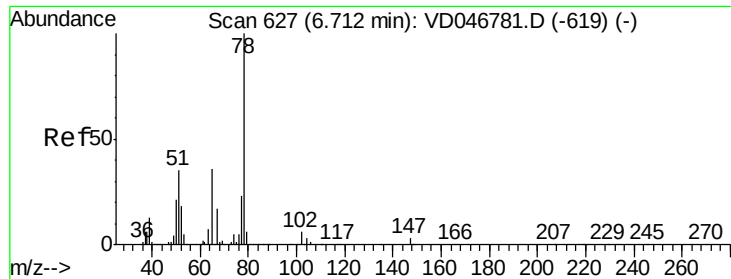
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#32
1,1,1-Trichloroethane
Concen: 55.72 ug/l
RT: 6.16 min Scan# 572
Delta R.T. -0.03 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.2	75.4
61	46.5	38.6	57.8





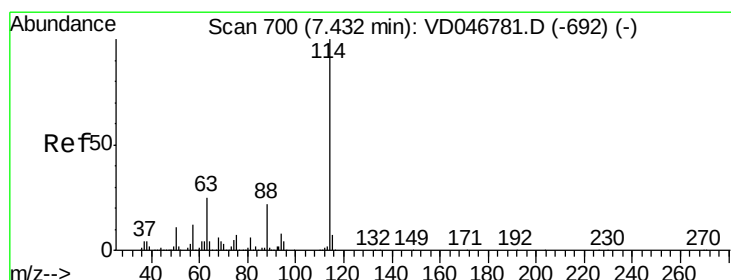
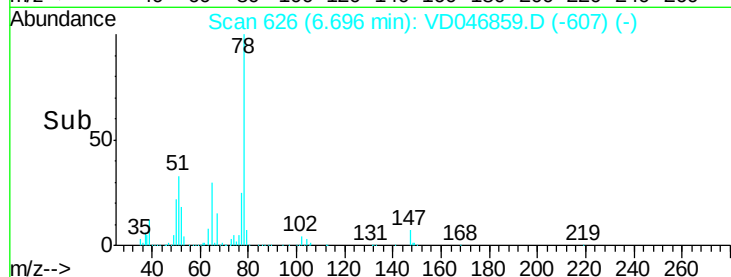
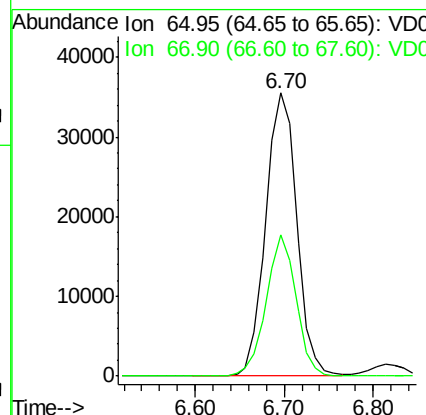
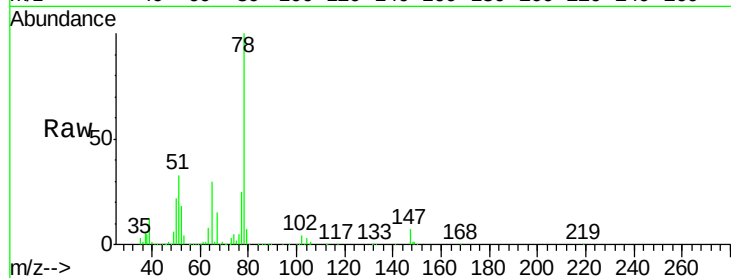
#33
 1,2-Dichloroethane-d4
 Concen: 55.72 ug/l
 RT: 6.70 min Scan# 626
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.0	0.0	105.4	

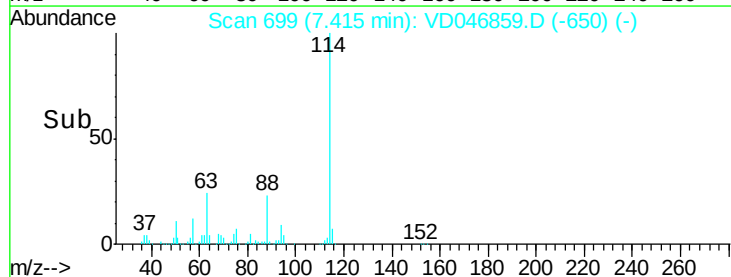
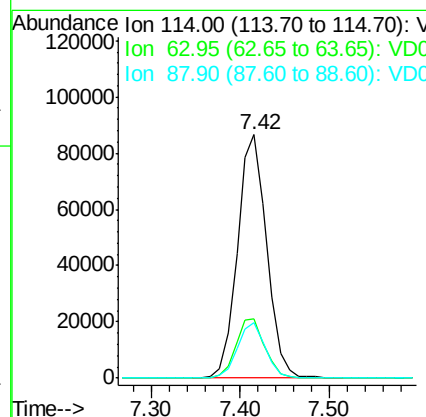
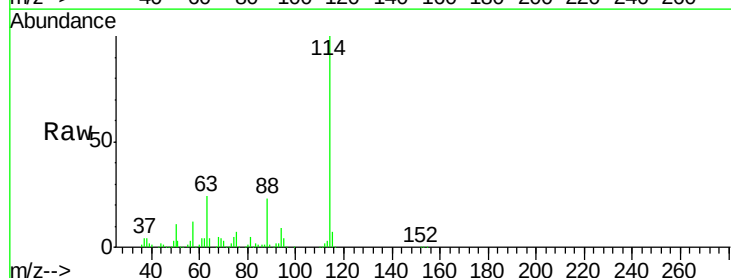
Manual Integrations
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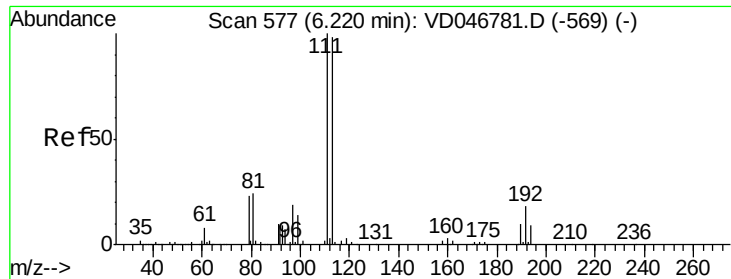
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 699
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	24.5	0.0	49.8	
88	22.5	0.0	43.6	





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.19 min Scan# 575

Delta R.T. -0.03 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

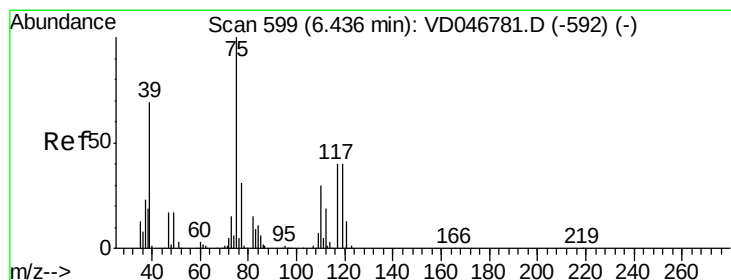
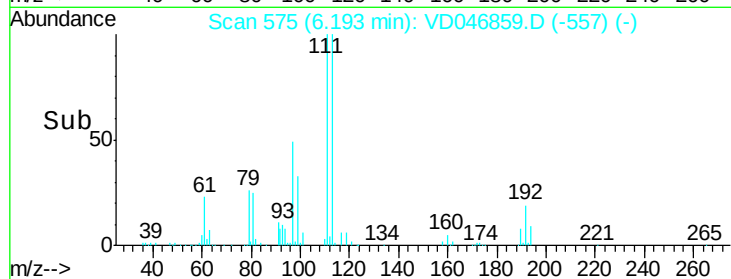
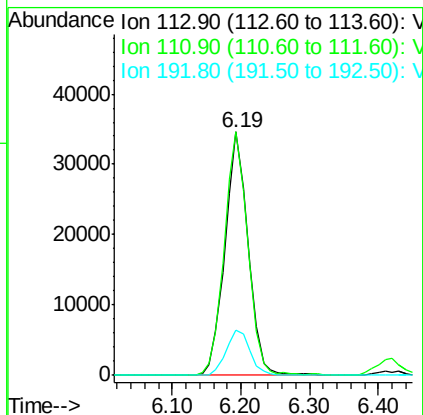
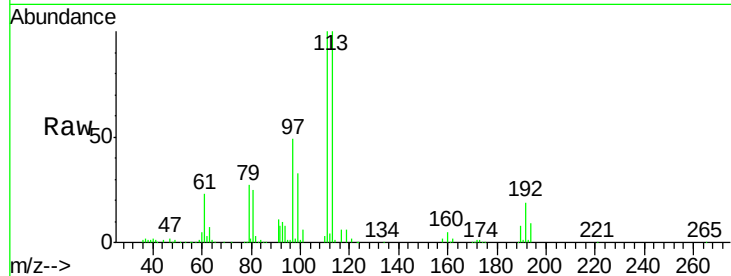
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	80954
Ion	Ratio	Lower	Upper
113	100		
111	100.0	79.4	119.0
192	18.8	14.6	22.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 53.54 ug/l

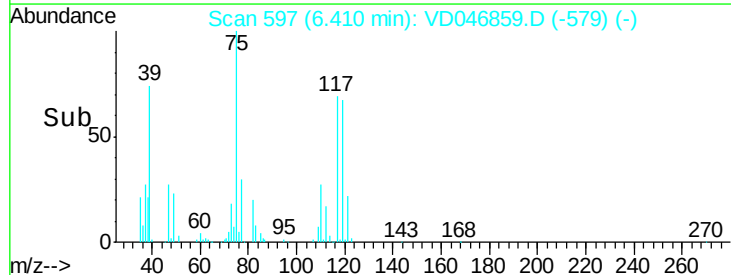
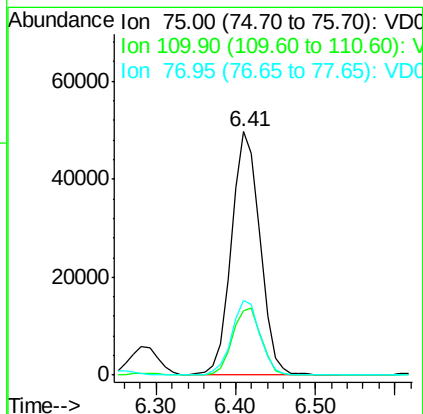
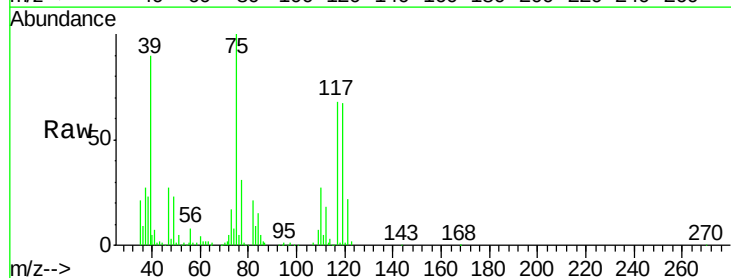
RT: 6.41 min Scan# 597

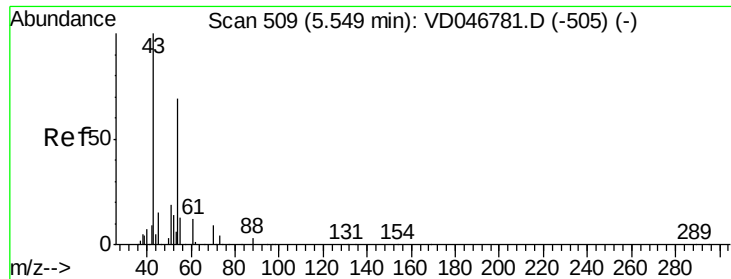
Delta R.T. -0.03 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Tgt Ion:	75	Resp:	123862
Ion	Ratio	Lower	Upper
75	100		
110	26.5	13.7	41.0
77	30.6	24.7	37.1





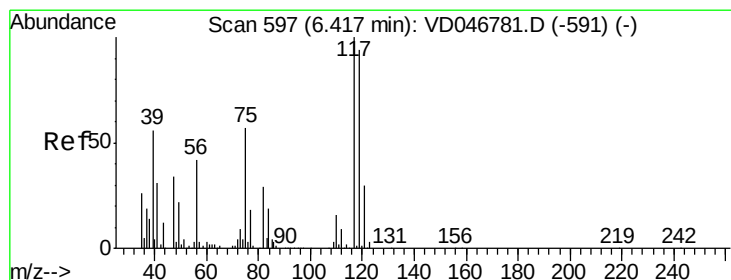
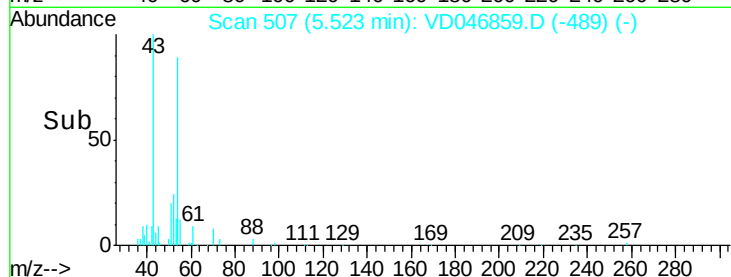
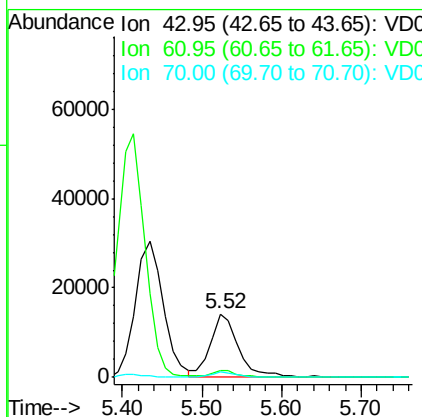
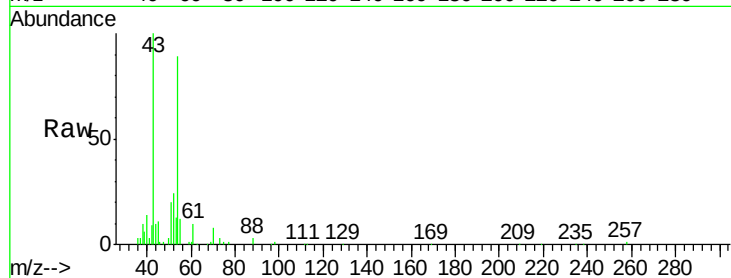
#37
Ethyl Acetate
Concen: 46.69 ug/l
RT: 5.52 min Scan# 507
Delta R.T. -0.03 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100	34699		
61	9.8		9.4	14.2
70	8.1		6.0	9.0

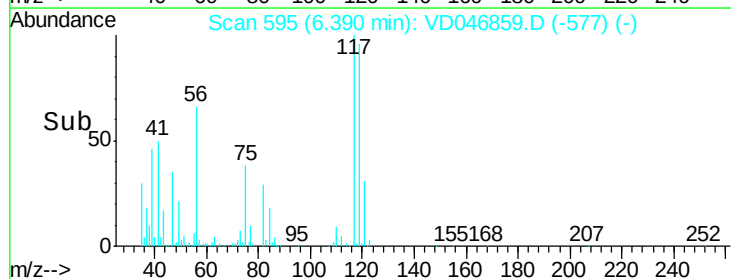
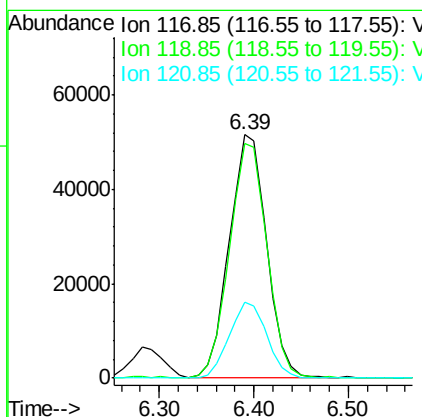
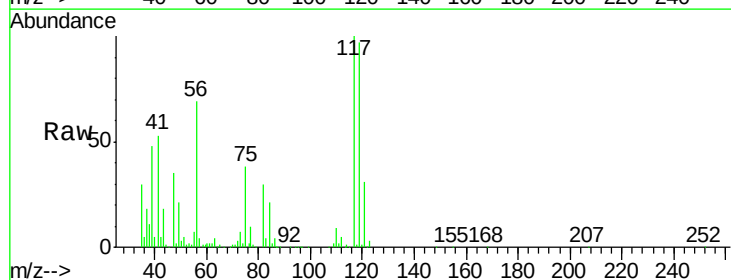
Manual Integrations
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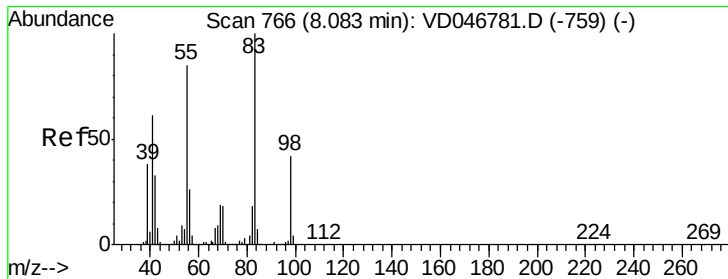
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#38
Carbon Tetrachloride
Concen: 58.34 ug/l
RT: 6.39 min Scan# 595
Delta R.T. -0.03 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	140241		
119	96.6		76.2	114.4
121	31.3		24.5	36.7





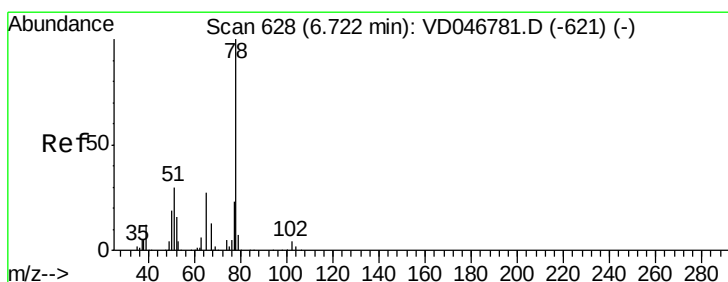
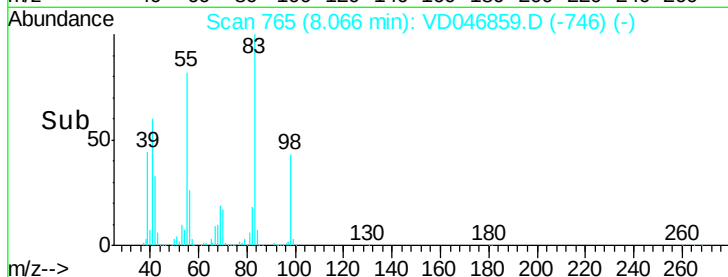
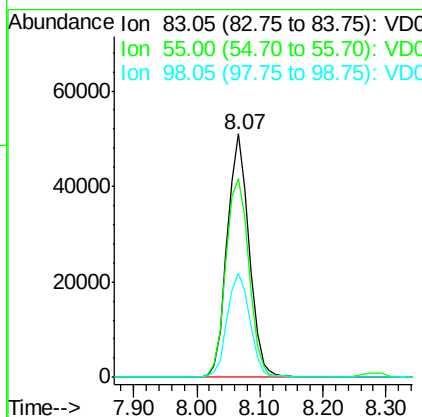
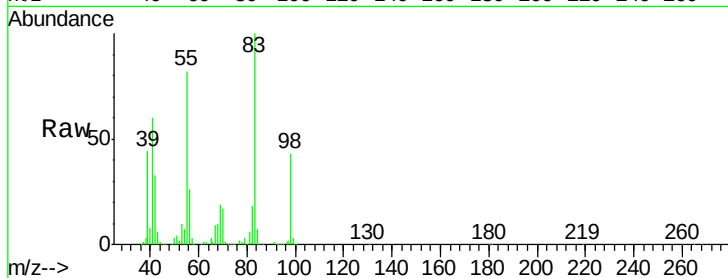
#39
Methylvlcyclohexane
Concen: 52.36 ug/l
RT: 8.07 min Scan# 765
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.5	71.1	106.7
98	42.6	34.6	51.8

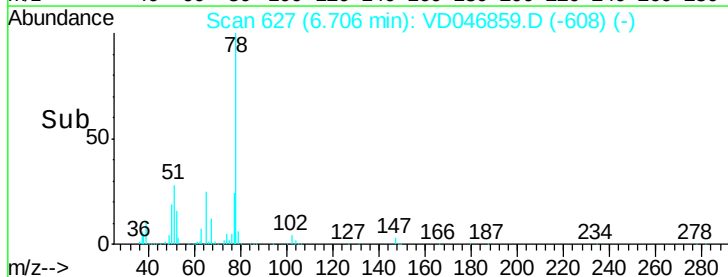
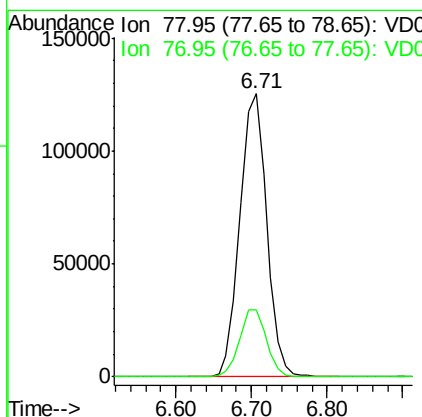
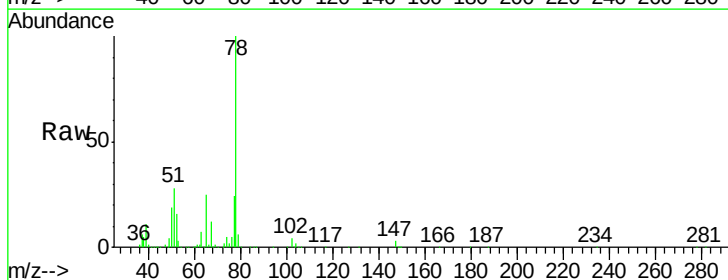
Manual Integrations
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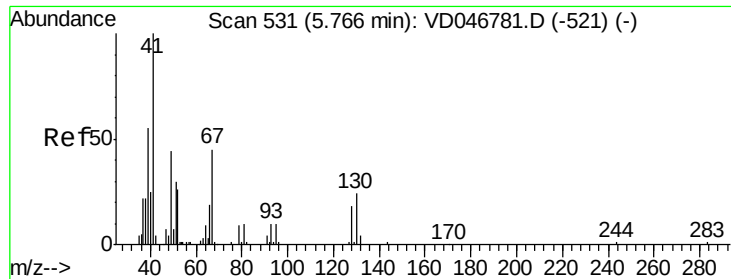
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#40
Benzene
Concen: 52.41 ug/l
RT: 6.71 min Scan# 627
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.9	29.9





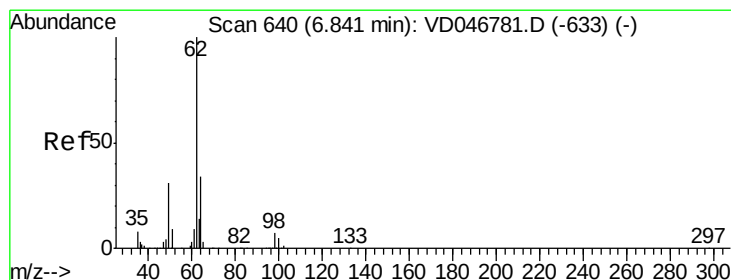
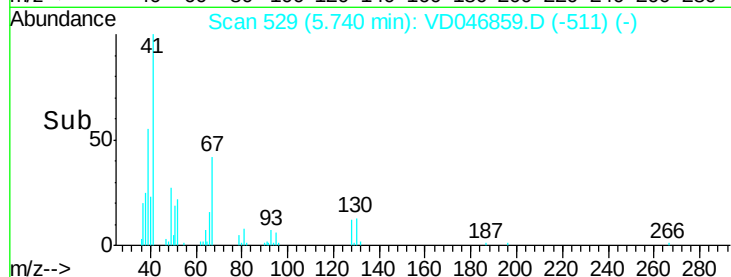
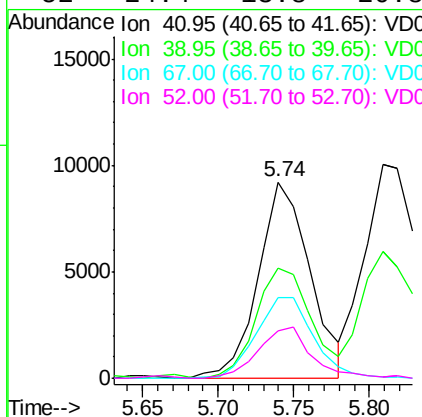
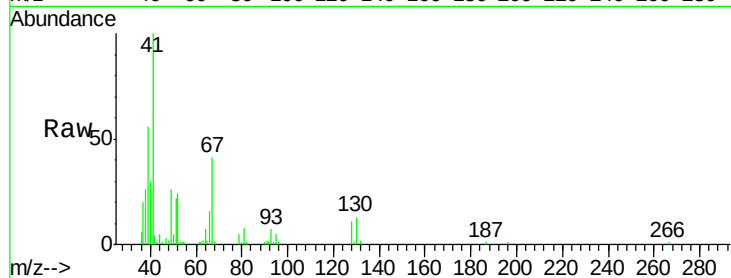
#41
Methacrylonitrile
Concen: 53.10 ug/l
RT: 5.74 min Scan# 529
Delta R.T. -0.03 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.9	40.2	60.4	
67	41.2	32.0	48.0	
52	24.4	13.8	20.8	

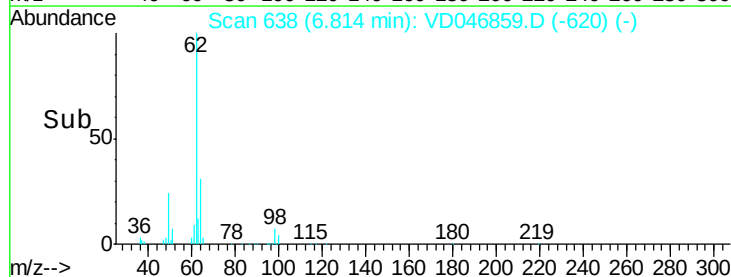
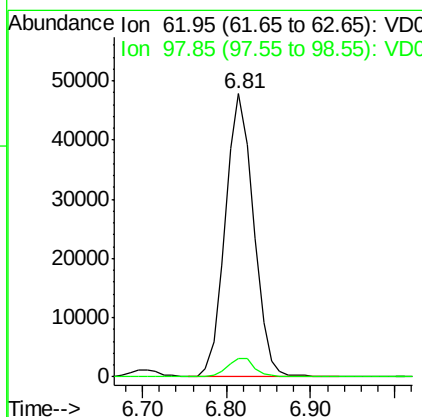
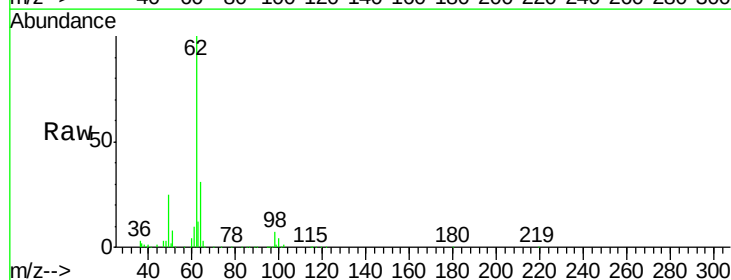
Manual Integrations
APPROVED

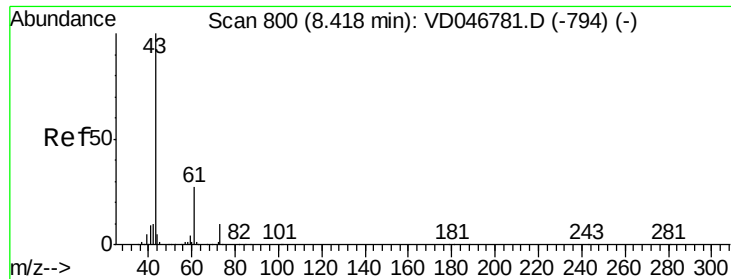
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#42
1,2-Dichloroethane
Concen: 61.13 ug/l
RT: 6.81 min Scan# 638
Delta R.T. -0.03 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	6.7	0.0	16.2	





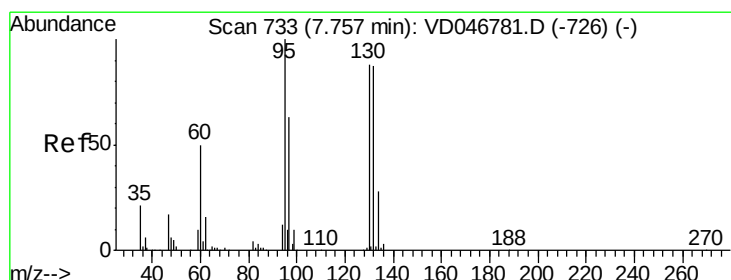
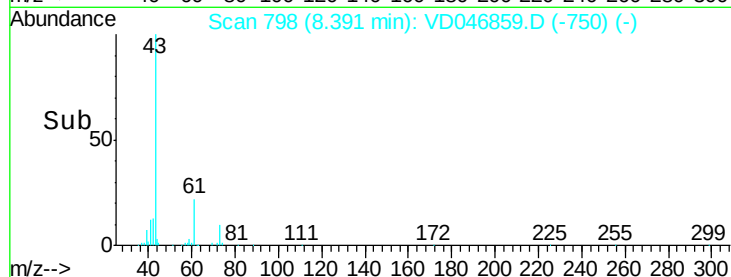
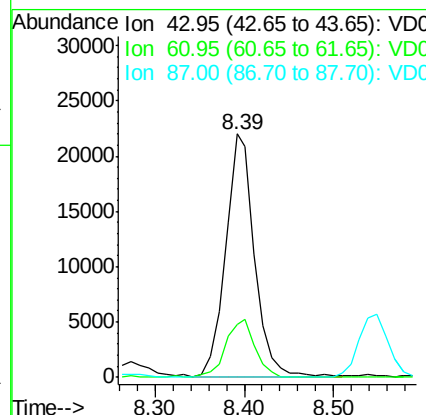
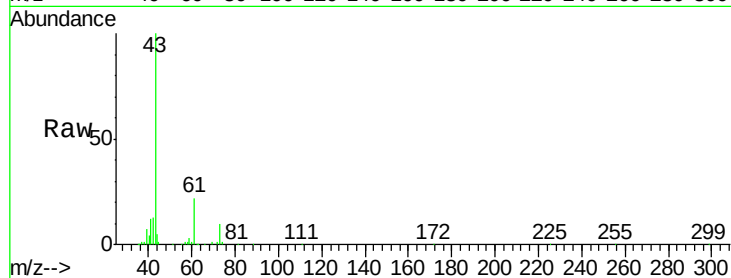
#43
Isopropyl Acetate
Concen: 51.45 ug/l
RT: 8.39 min Scan# 798
Delta R.T. -0.03 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.6	19.5	29.3
87	0.0	0.2	0.2#

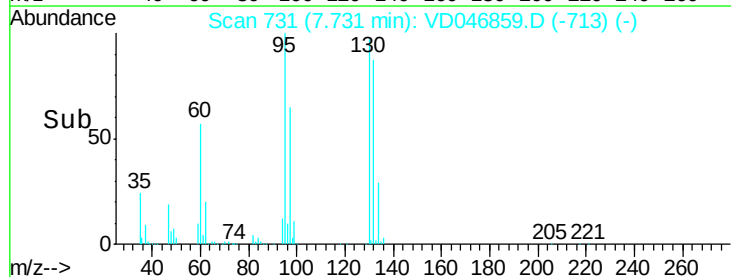
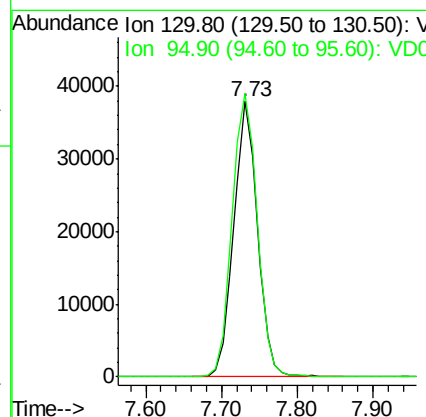
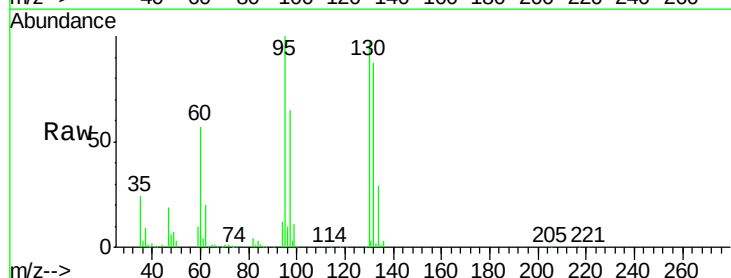
Manual Integrations
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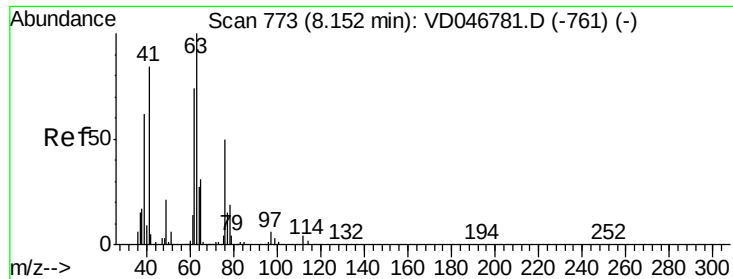
MMDadoda
9/24/2015 12:56:59 PM



#44
Trichloroethene
Concen: 55.43 ug/l
RT: 7.73 min Scan# 731
Delta R.T. -0.03 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	229.4





#45

1,2-Dichloropropane

Concen: 51.94 ug/l

RT: 8.13 min Scan# 771

Delta R.T. -0.03 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 75999

Ion Ratio Lower Upper

63 100

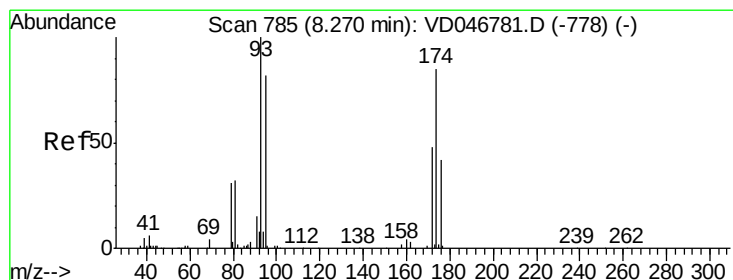
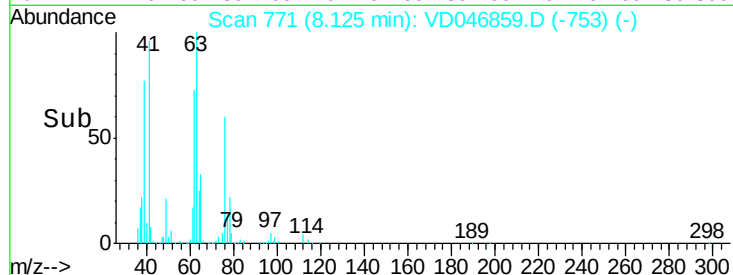
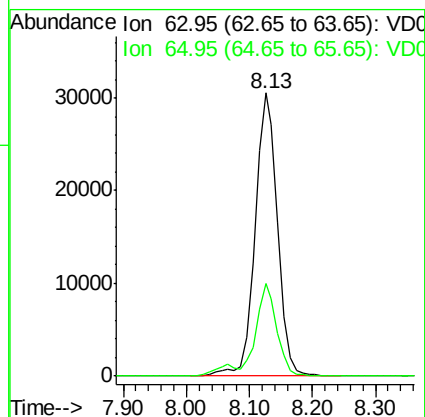
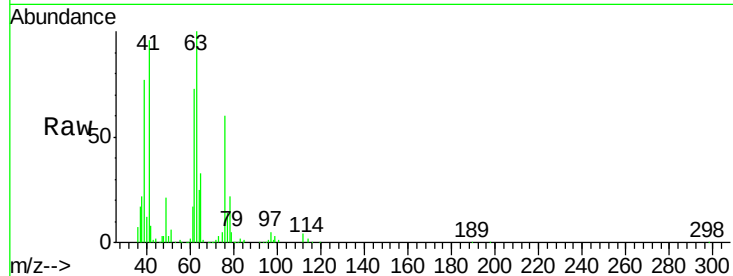
65 32.9 25.1 37.7

Manual Integrations

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#46

Dibromomethane

Concen: 56.92 ug/l

RT: 8.25 min Scan# 784

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

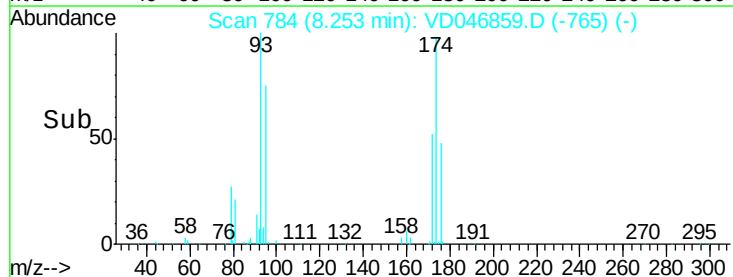
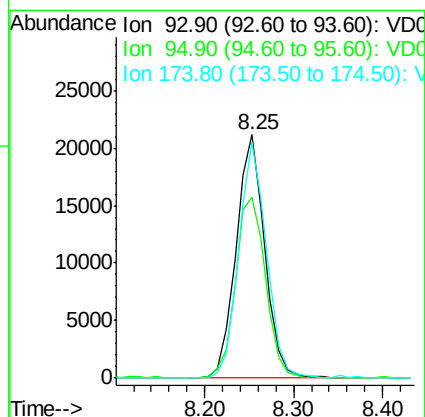
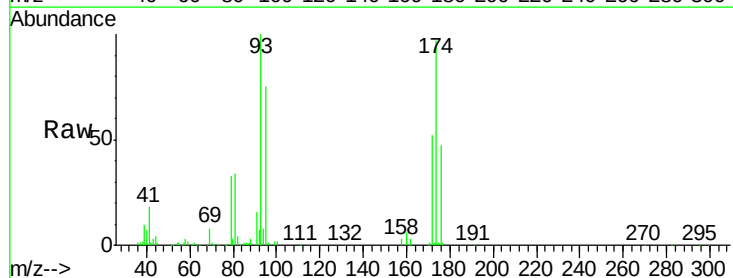
Tgt Ion: 93 Resp: 47291

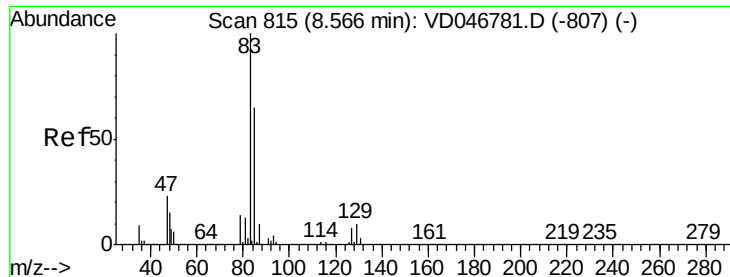
Ion Ratio Lower Upper

93 100

95 74.6 70.2 105.2

174 97.1 79.0 118.4





#47

Bromodichloromethane

Concen: 58.84 ug/l

RT: 8.55 min Scan# 814

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

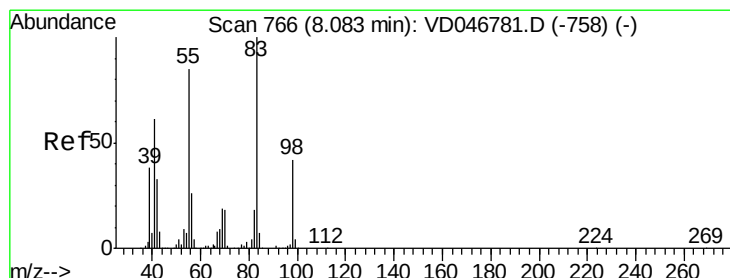
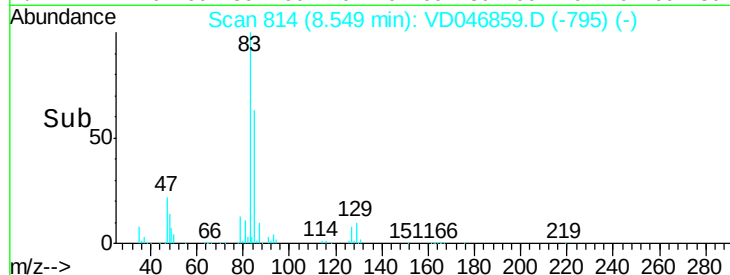
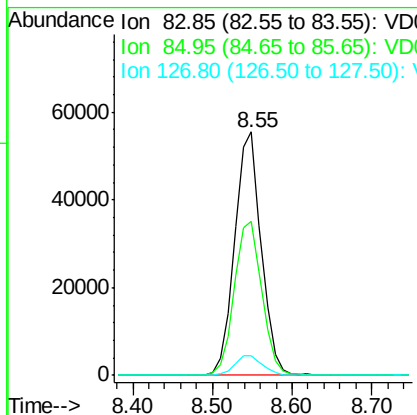
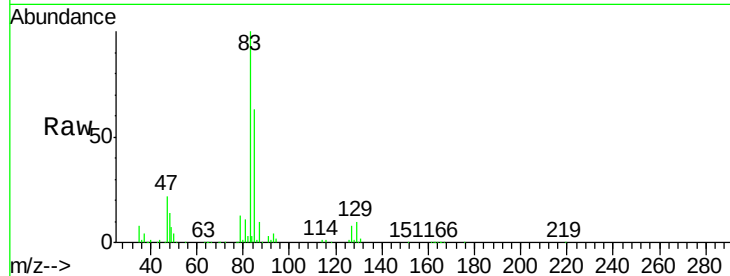
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	128305
Ion Ratio	Lower	Upper	
83	100		
85	63.0	52.6	78.8
127	8.2	5.7	8.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.59 ug/l

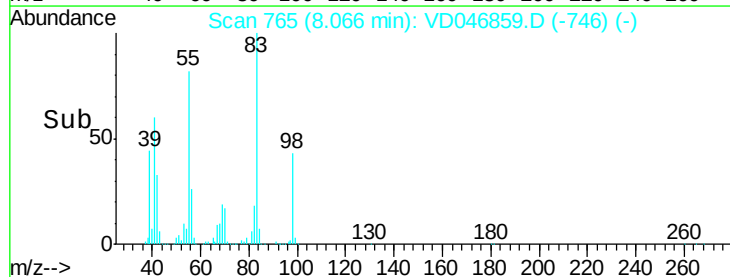
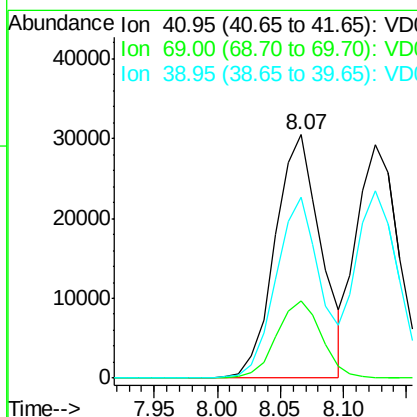
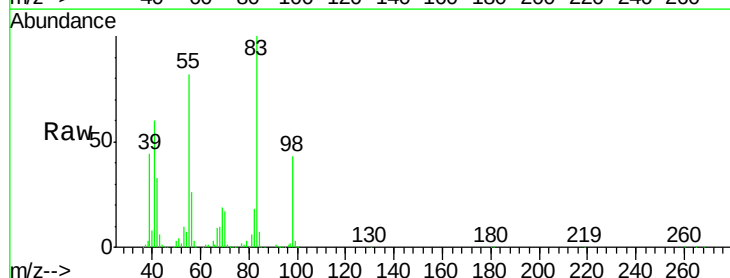
RT: 8.07 min Scan# 765

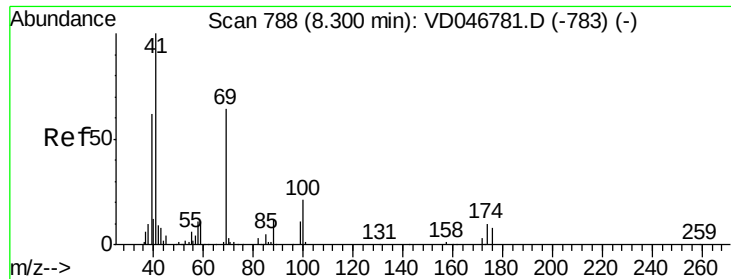
Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Tgt Ion:	41	Resp:	77266
Ion Ratio	Lower	Upper	
41	100		
69	31.6	25.3	37.9
39	74.3	47.4	71.0#





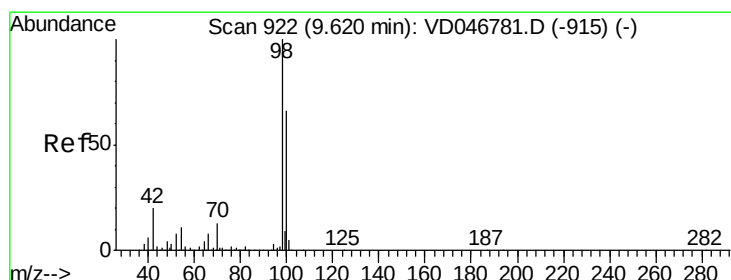
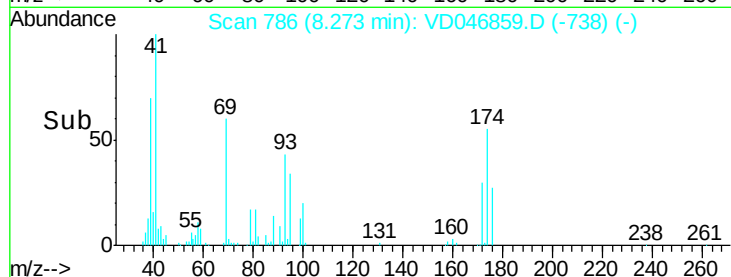
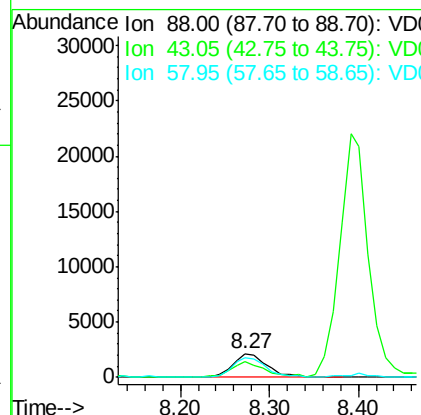
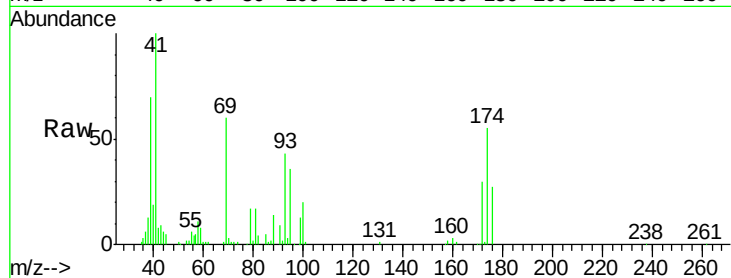
#49
1,4-Dioxane
Concen: 1033.92 ug/l
RT: 8.27 min Scan# 786
Delta R.T. -0.03 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	67.2	50.0	75.0
58	81.2	48.3	72.5

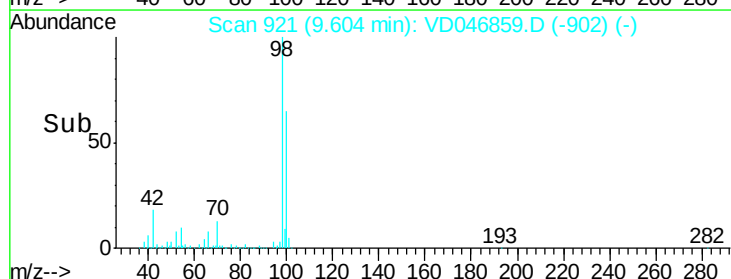
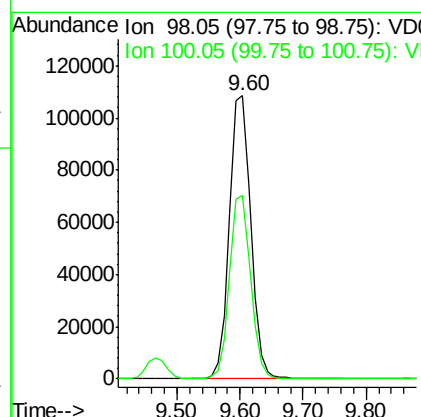
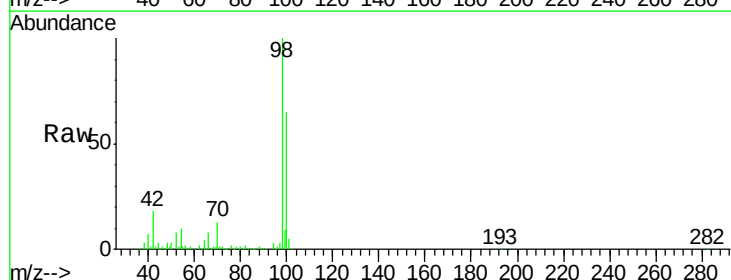
Manual Integrations
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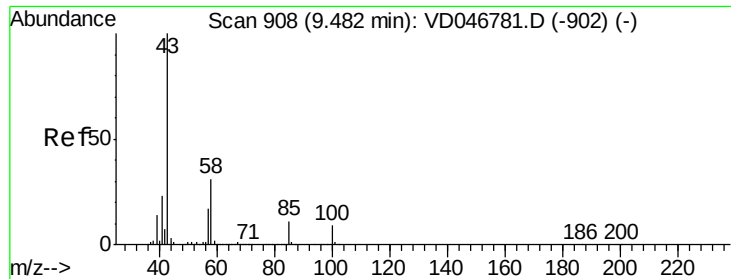
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#50
Toluene-d8
Concen: 1033.92 ug/l
RT: 9.60 min Scan# 921
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	49.9	74.9





#51

4-Methyl-2-Pentanone

Concen: 269.39 ug/l

RT: 9.47 min Scan# 907

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 190678

Ion Ratio Lower Upper

43 100

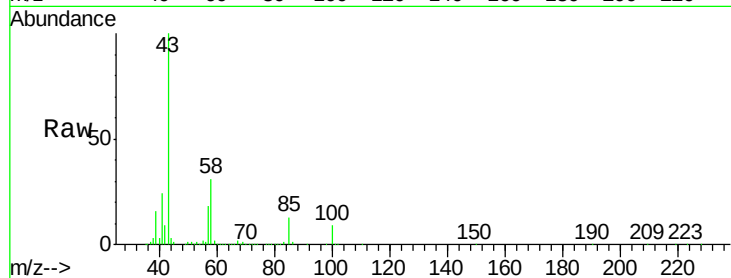
58 30.5 22.2 33.2

Manual Integrations

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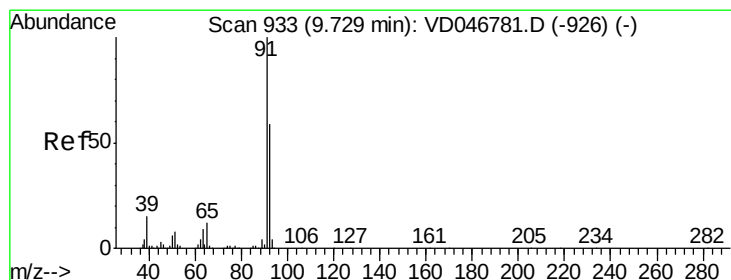
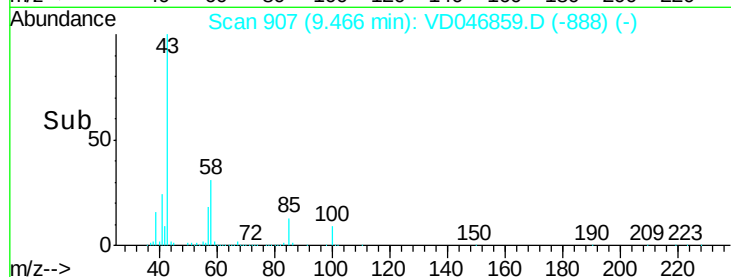
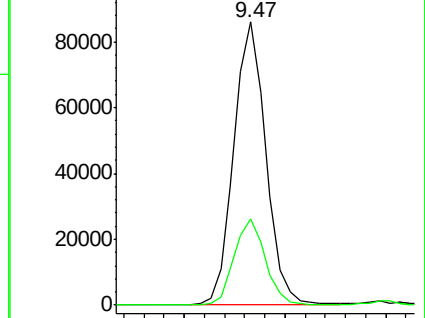
MMDadoda

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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: 56.63 ug/l

RT: 9.70 min Scan# 931

Delta R.T. -0.03 min

Lab File: VD046859.D

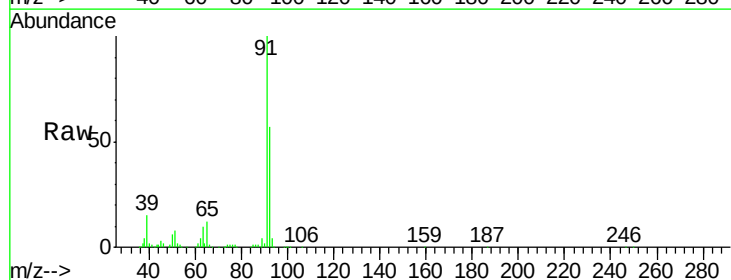
Acq: 23 Sep 2015 17:46

Tgt Ion: 92 Resp: 206279

Ion Ratio Lower Upper

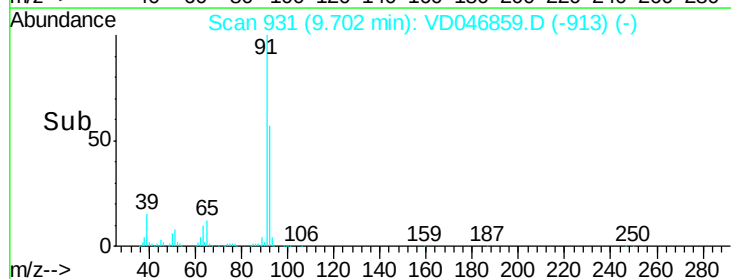
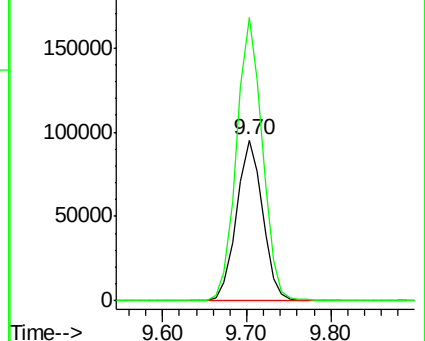
92 100

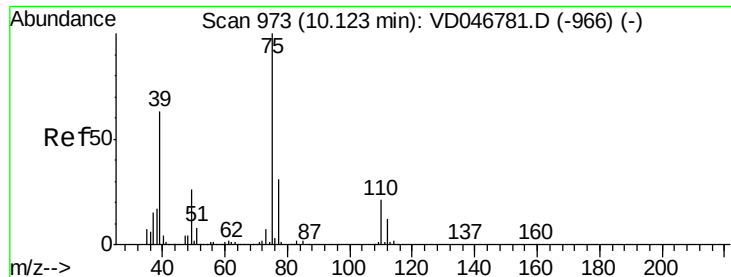
91 176.0 139.4 209.0



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: 59.38 ug/l

RT: 10.11 min Scan# 972

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 95600

Ion Ratio Lower Upper

75 100

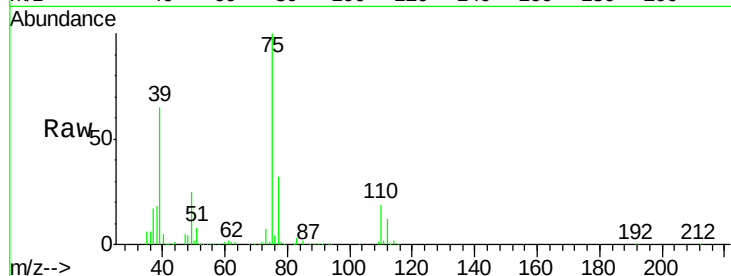
77 31.8 27.6 41.4

Manual Integrations

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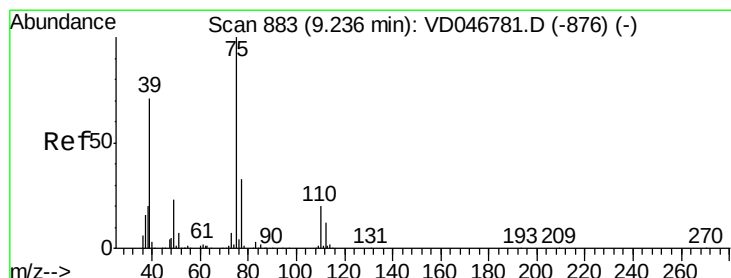
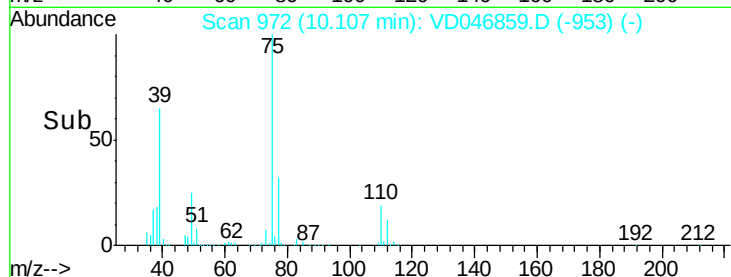
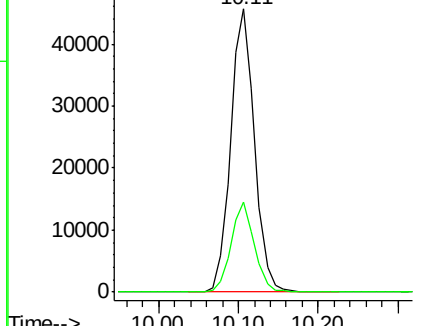
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 57.18 ug/l

RT: 9.22 min Scan# 882

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

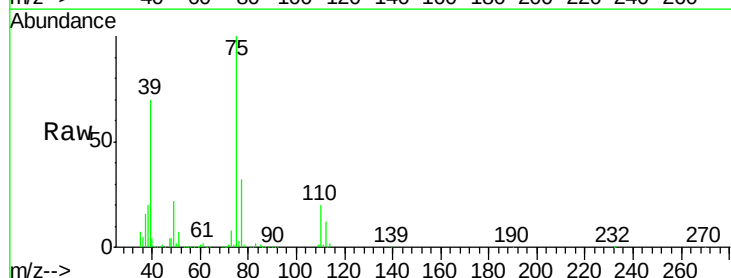
Tgt Ion: 75 Resp: 118545

Ion Ratio Lower Upper

75 100

77 31.5 23.8 35.6

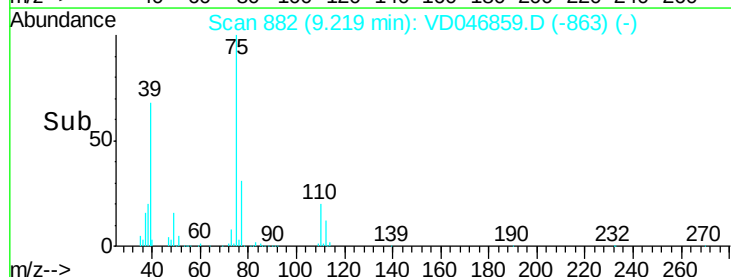
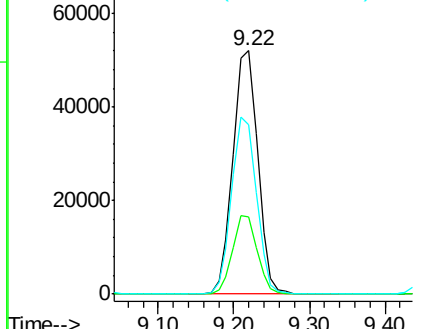
39 69.7 53.0 79.6

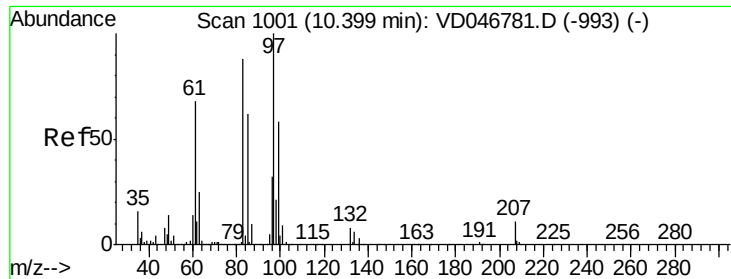


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





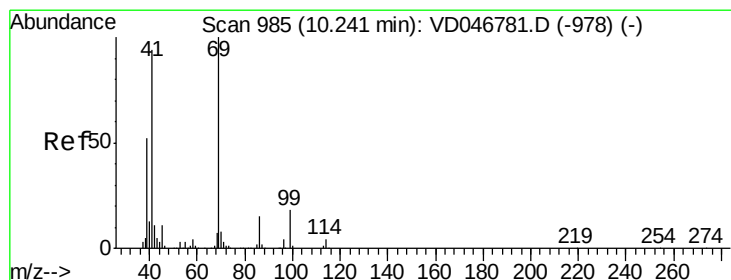
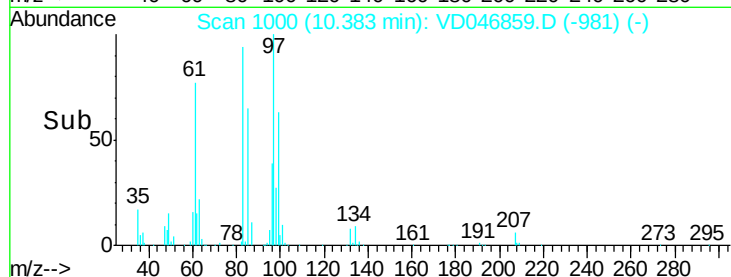
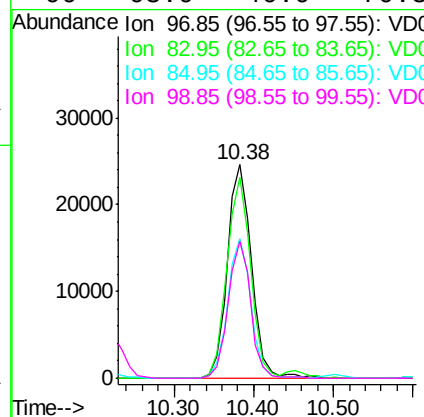
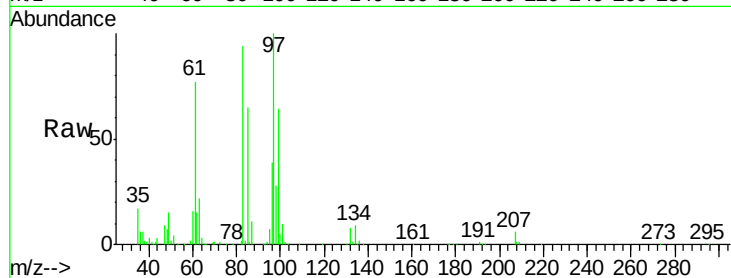
#55
 1,1,2-Trichloroethane
 Concen: 56.15 ug/l
 RT: 10.38 min Scan# 1000
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	52961
Ion	Ratio	Lower	Upper
97	100		
83	94.0	75.3	112.9
85	65.5	50.9	76.3
99	63.9	46.9	70.3

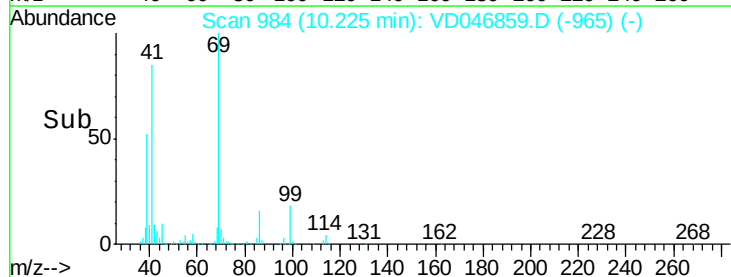
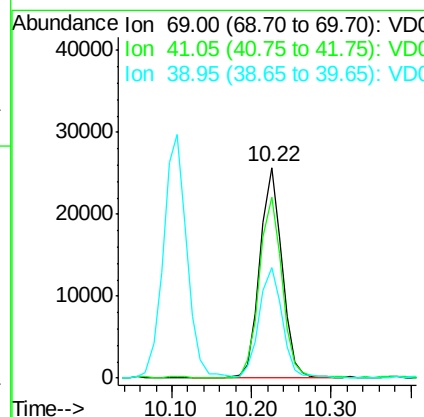
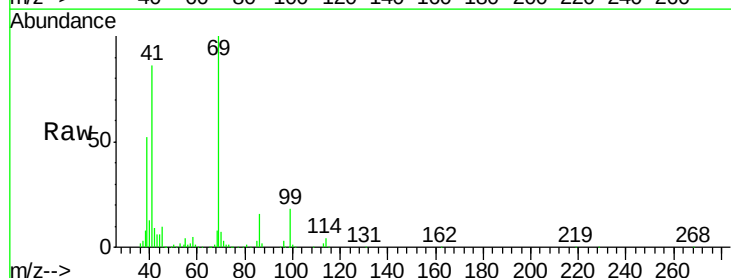
Manual Integrations
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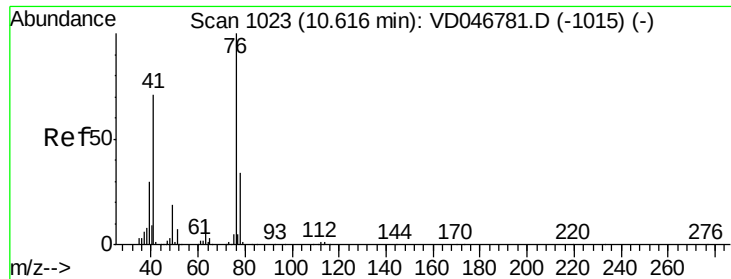
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 9/24/2015 12:56:59 PM



#56
 Ethyl methacrylate
 Concen: 50.21 ug/l
 RT: 10.22 min Scan# 984
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Tgt Ion:	69	Resp:	49148
Ion	Ratio	Lower	Upper
69	100		
41	85.9	75.4	113.0
39	52.4	41.0	61.4





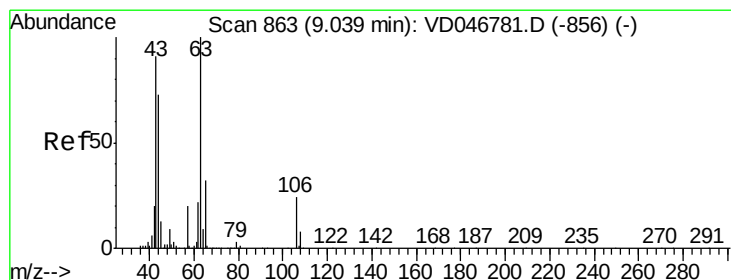
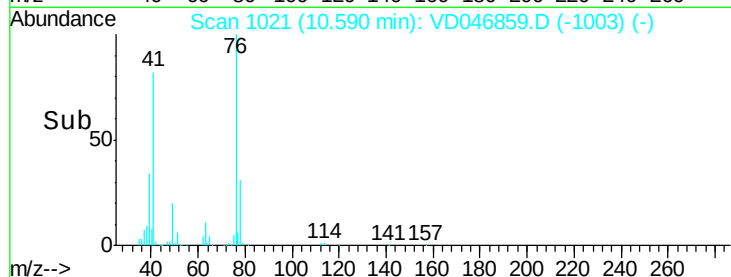
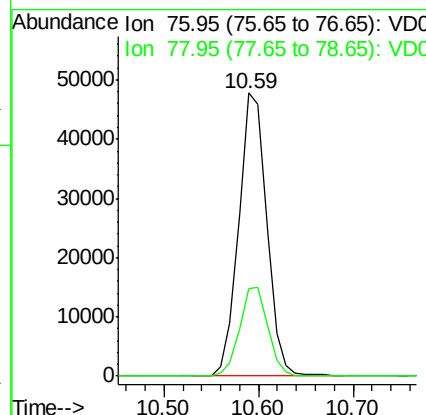
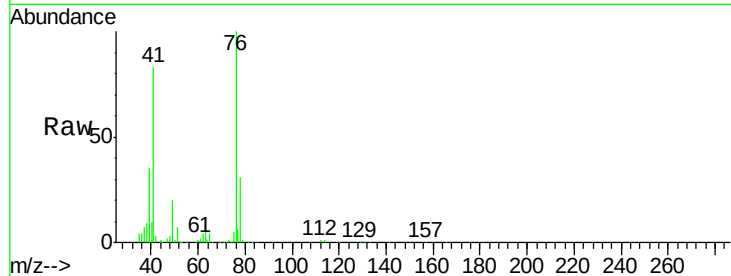
#57
 1,3-Dichloropropane
 Concen: 56.05 ug/l
 RT: 10.59 min Scan# 1021
 Delta R.T. -0.03 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.0	26.6	39.8

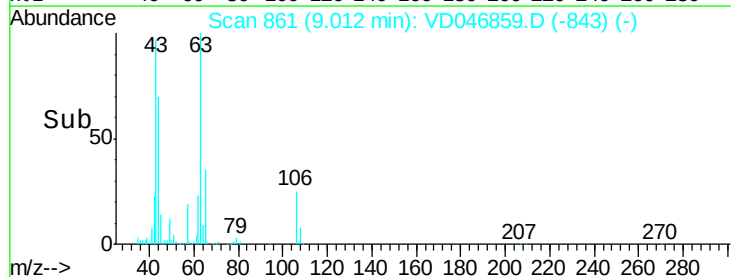
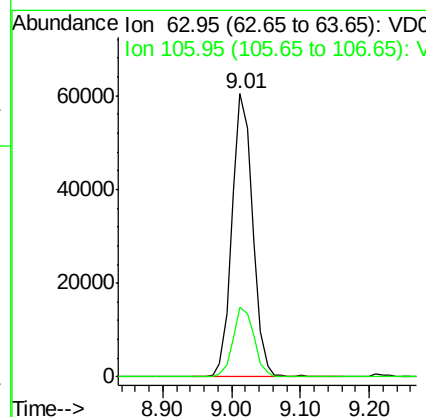
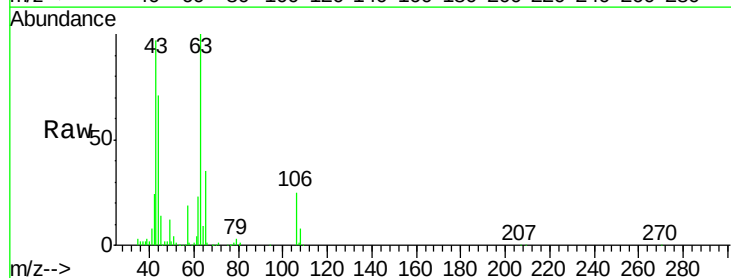
Manual Integrations
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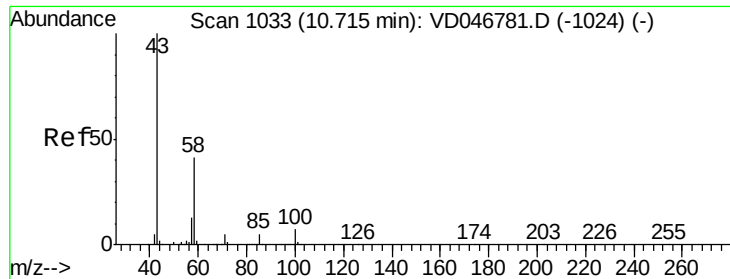
MMDadoda
 9/24/2015 12:56:59 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 270.27 ug/l
 RT: 9.01 min Scan# 861
 Delta R.T. -0.03 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.8	17.8	26.8





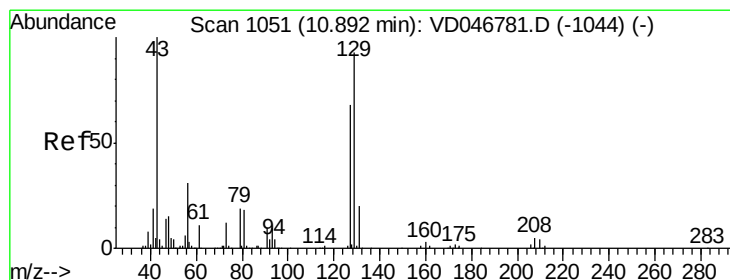
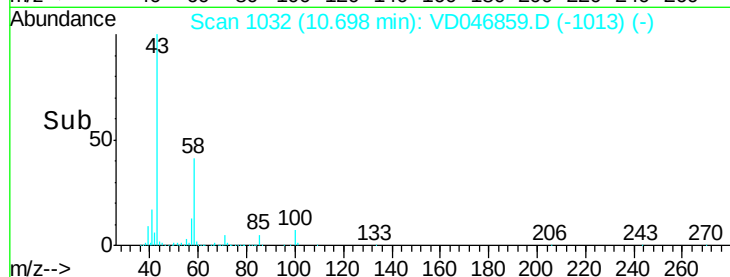
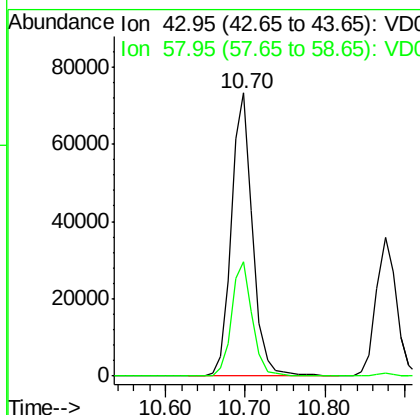
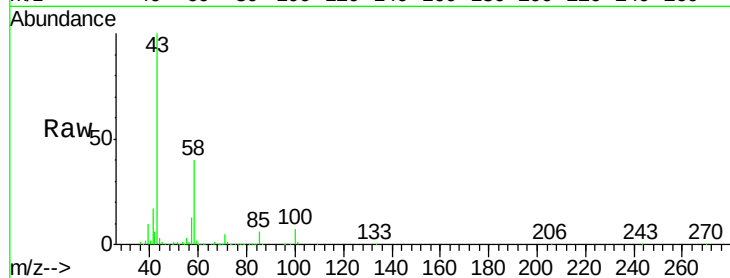
#59
2-Hexanone
Concen: 267.50 ug/l
RT: 10.70 min Scan# 1032
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.2	18.6	55.8

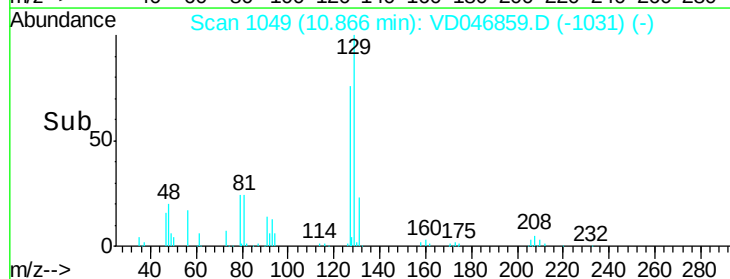
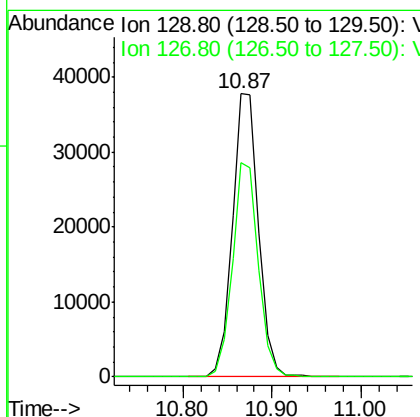
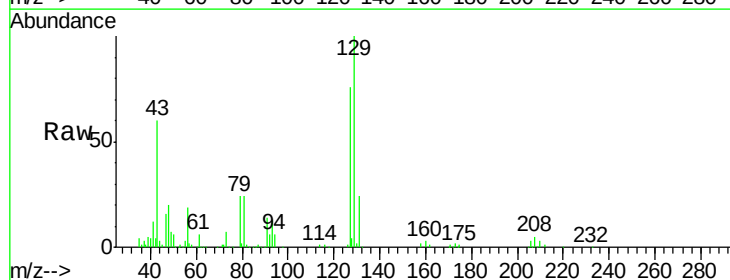
Manual Integrations
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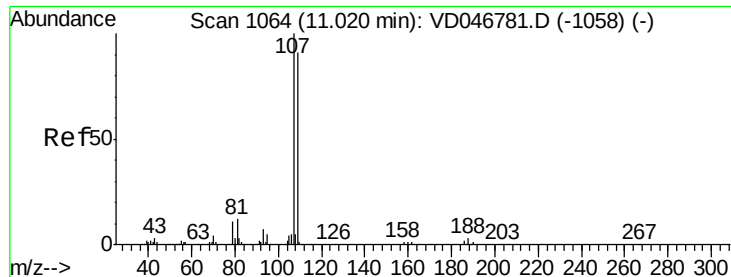
MMDadoda
9/24/2015 12:56:59 PM



#60
Dibromochloromethane
Concen: 60.00 ug/l
RT: 10.87 min Scan# 1049
Delta R.T. -0.03 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.6	38.2	114.6





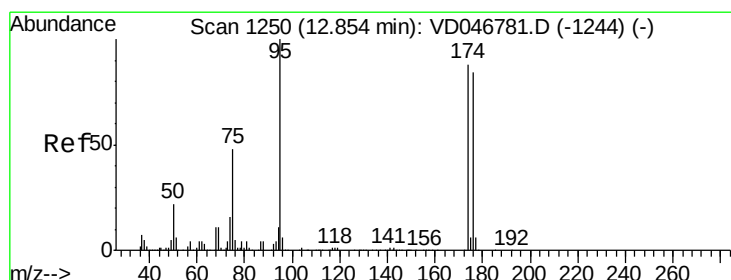
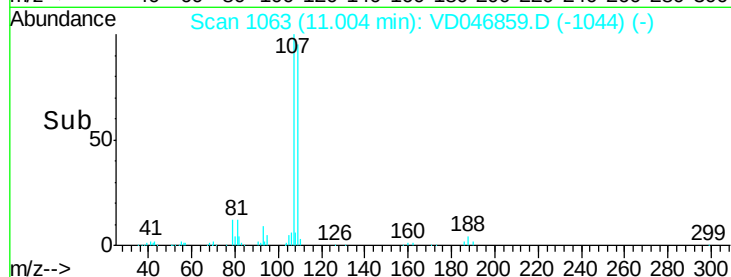
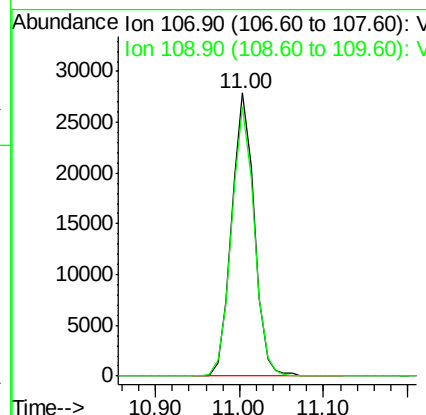
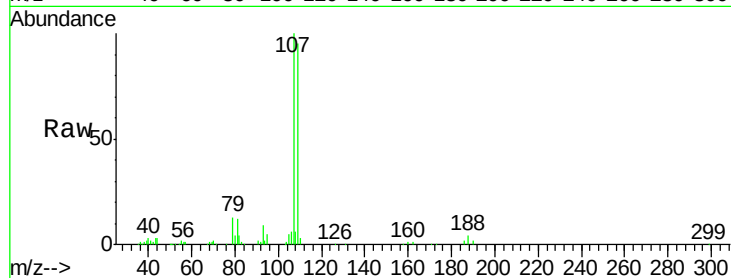
#61
 1,2-Dibromoethane
 Concen: 55.63 ug/l
 RT: 11.00 min Scan# 1063
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 51805
 Ion Ratio Lower Upper
 107 100
 109 95.1 71.4 107.0

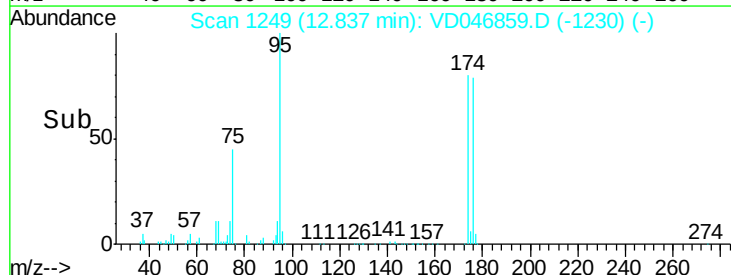
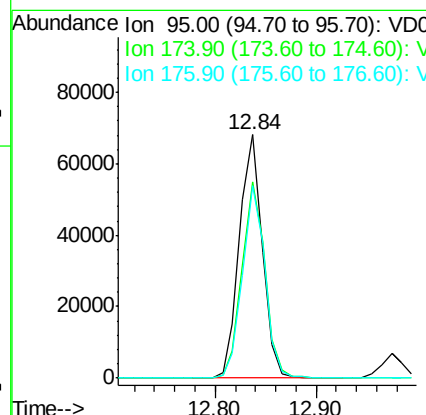
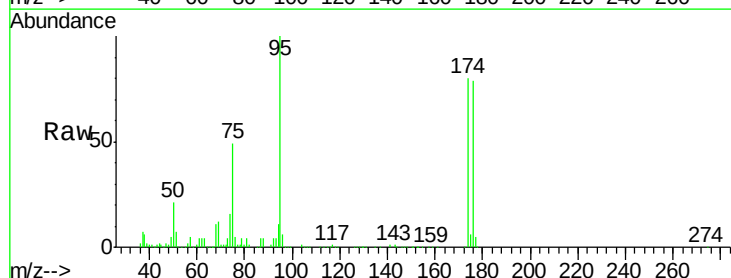
Manual Integrations
 APPROVED

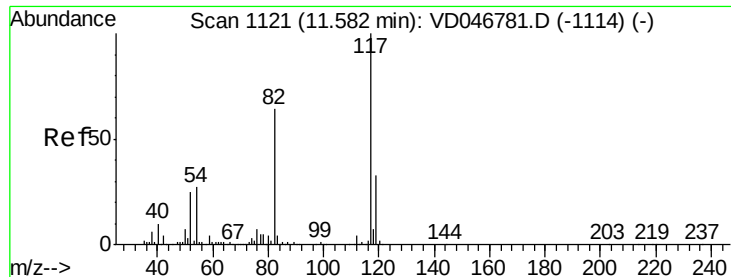
MMDadoda
 9/24/2015 12:56:59 PM



#62
 4-Bromofluorobenzene
 Concen: 55.63 ug/l
 RT: 12.84 min Scan# 1249
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Tgt Ion: 95 Resp: 107611
 Ion Ratio Lower Upper
 95 100
 174 80.4 0.0 149.8
 176 78.8 0.0 143.4





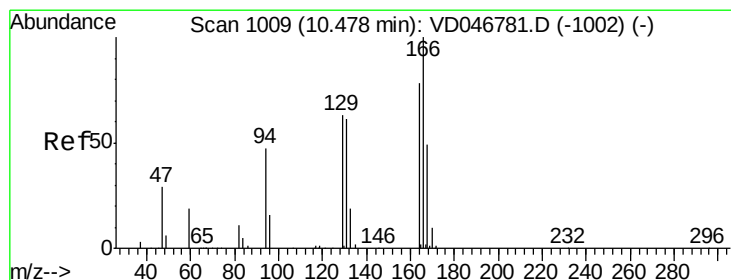
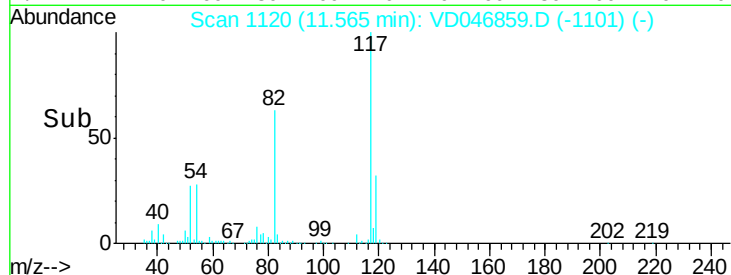
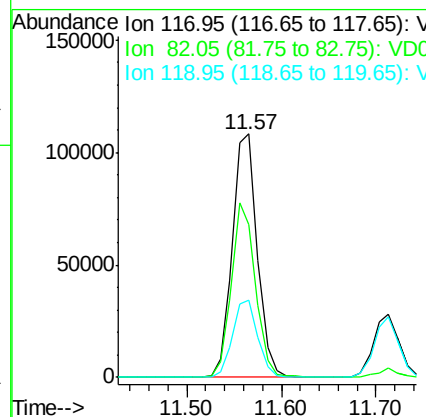
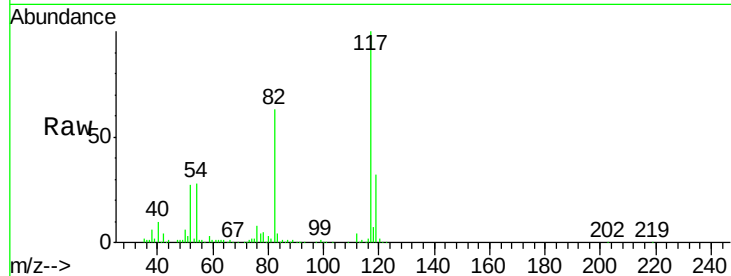
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.57 min Scan# 1120
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	62.6	50.6	75.8
119	32.0	25.8	38.8

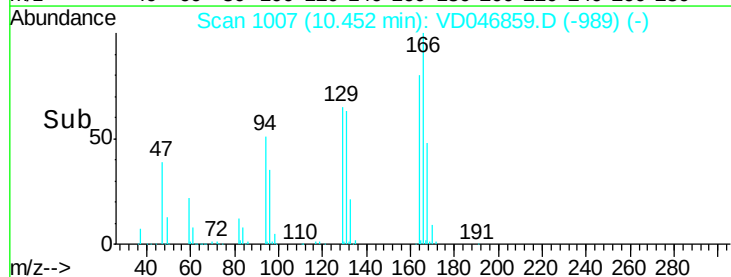
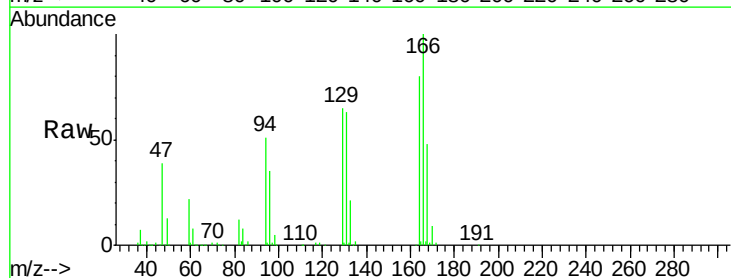
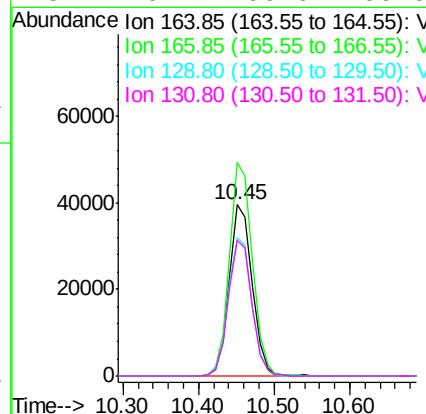
Manual Integrations
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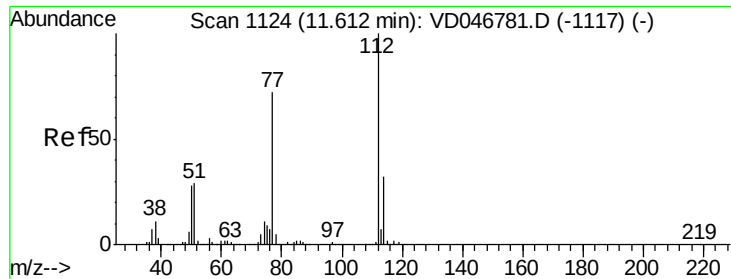
MMDadoda
9/24/2015 12:56:59 PM



#64
Tetrachloroethene
Concen: 51.87 ug/l
RT: 10.45 min Scan# 1007
Delta R.T. -0.03 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	124.6	106.8	160.2
129	80.9	70.6	106.0
131	79.1	66.6	100.0





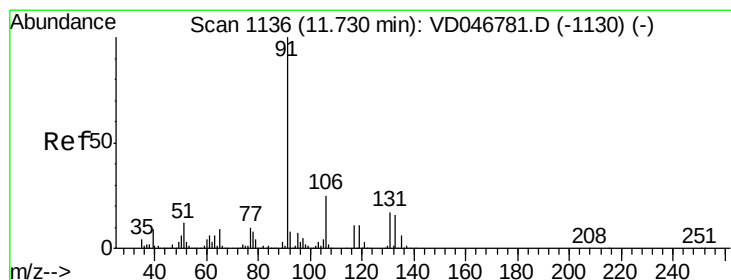
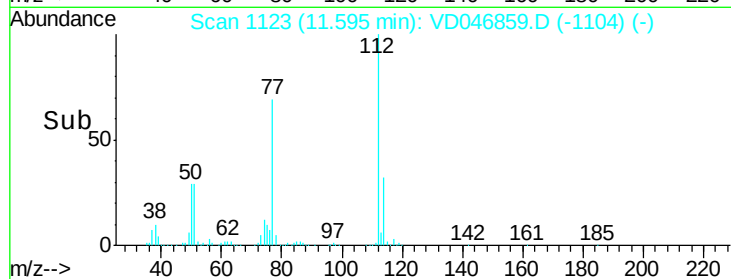
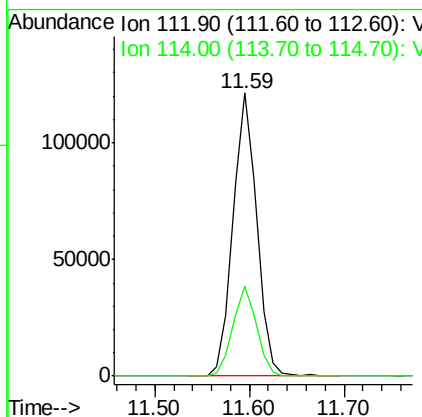
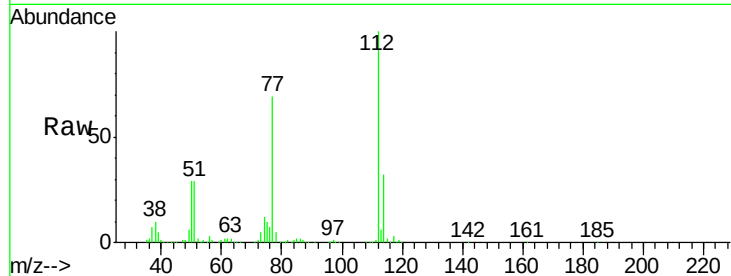
#65
Chlorobenzene
Concen: 50.74 ug/l
RT: 11.59 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
112	100	211655		
114	31.7	25.3	37.9	

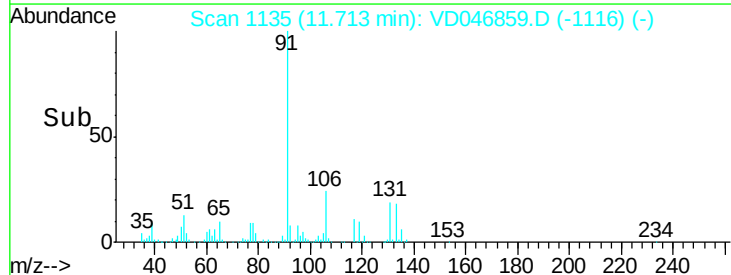
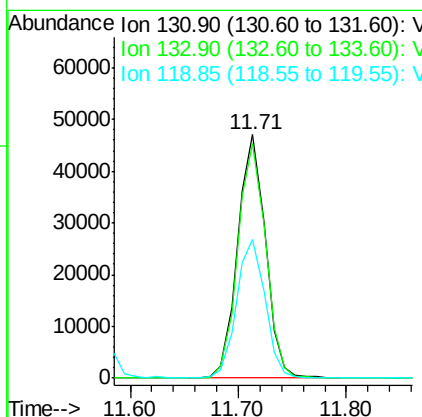
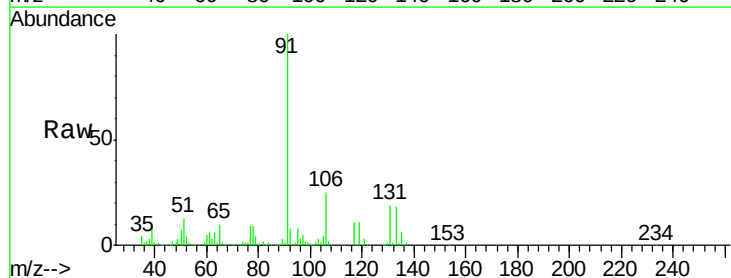
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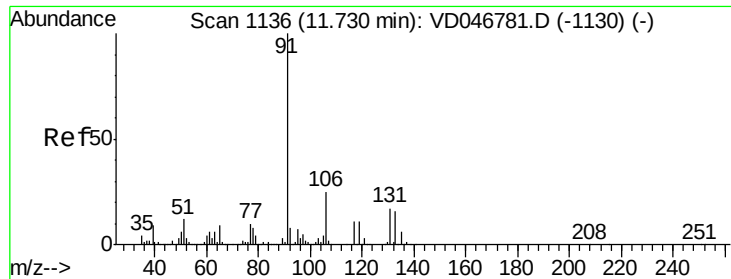
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.78 ug/l
RT: 11.71 min Scan# 1135
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	83915		
133	96.1	48.4	145.0	
119	56.7	31.5	94.5	





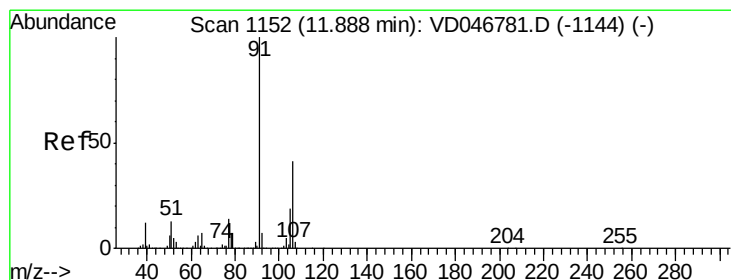
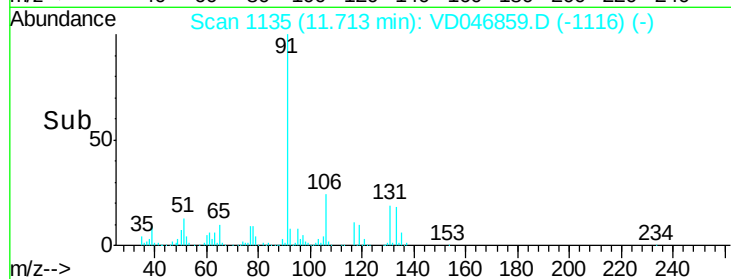
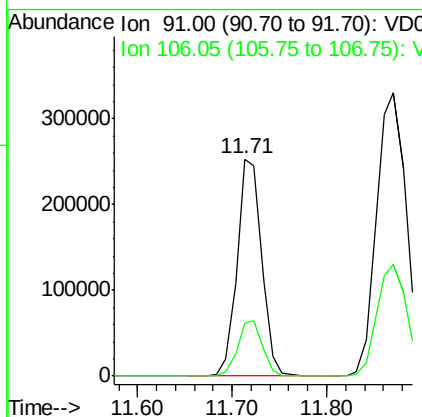
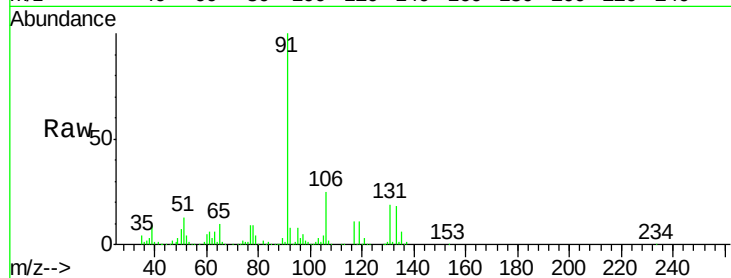
#67
Ethyl Benzene
Concen: 54.35 ug/l
RT: 11.71 min Scan# 1135
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 455471
Ion Ratio Lower Upper
91 100
106 24.5 20.2 30.2

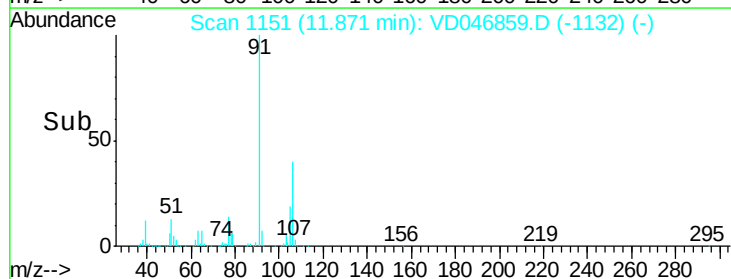
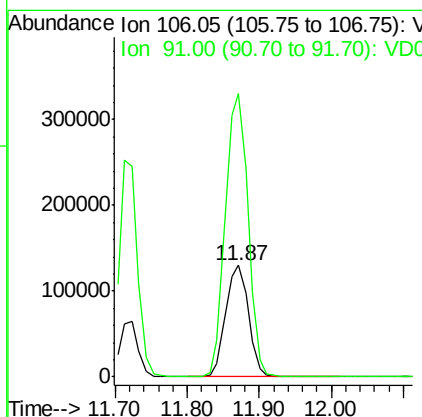
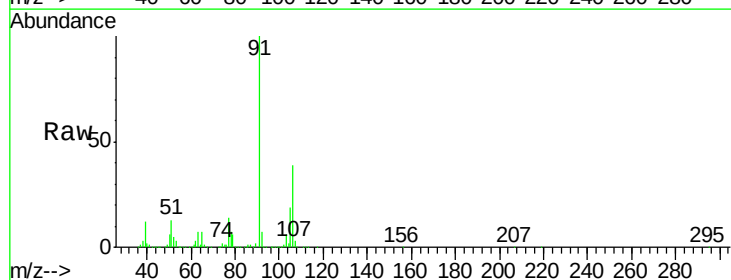
Manual Integrations
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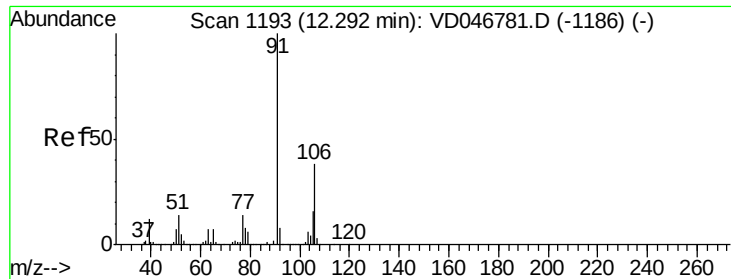
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#68
m/p-Xylenes
Concen: 108.15 ug/l
RT: 11.87 min Scan# 1151
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion: 106 Resp: 285884
Ion Ratio Lower Upper
106 100
91 253.4 187.9 281.9





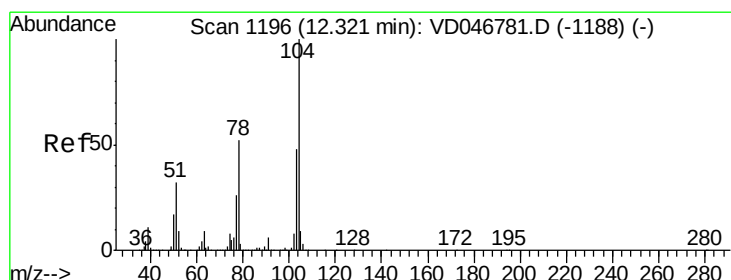
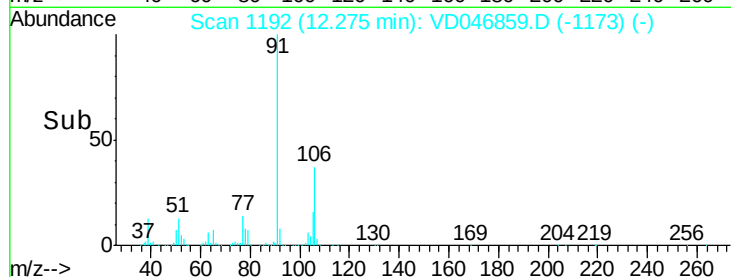
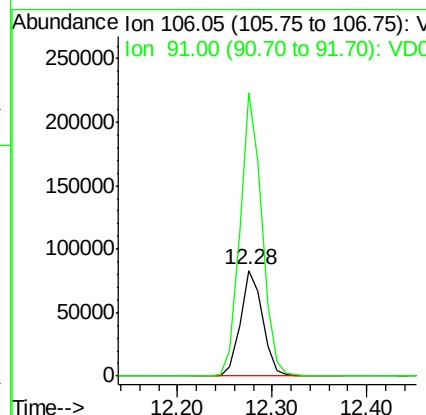
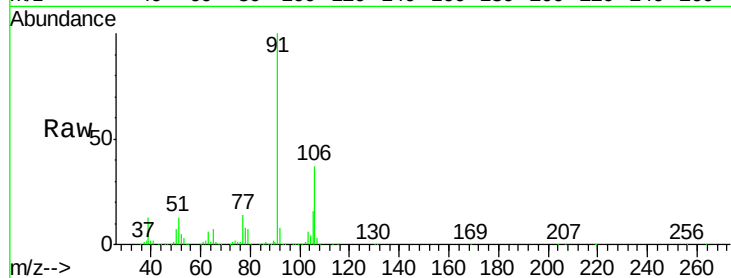
#69
o-Xylene
Concen: 56.79 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	266.9	124.8	374.5

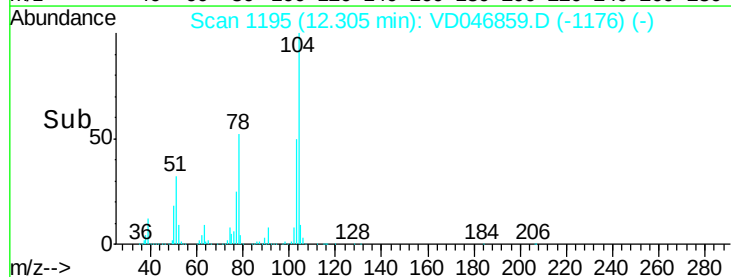
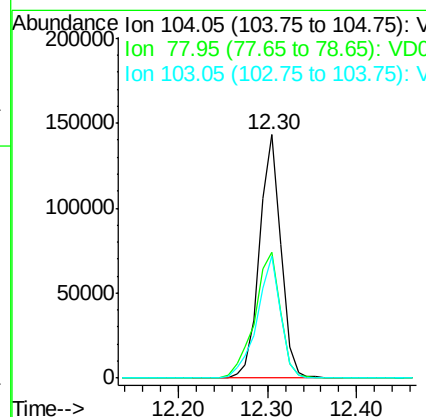
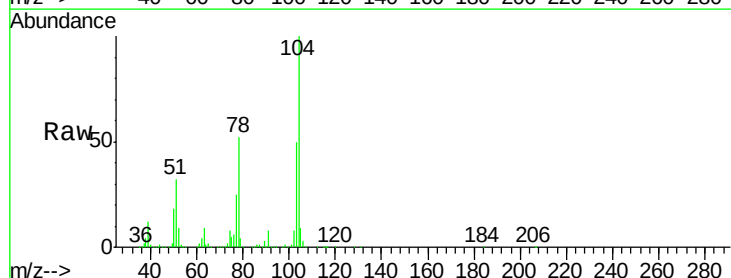
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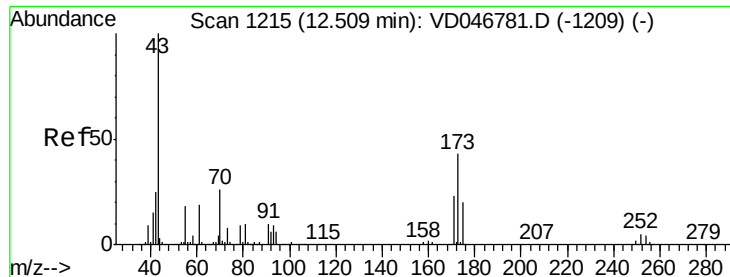
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#70
Styrene
Concen: 56.93 ug/l
RT: 12.30 min Scan# 1195
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.8	44.5	66.7
103	49.9	40.3	60.5





#71

Bromoform

Concen: 56.82 ug/l

RT: 12.49 min Scan# 1214

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

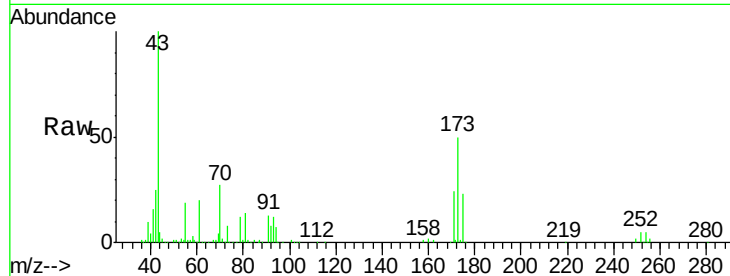
ClientSampleId :

VSTDCCC050EC

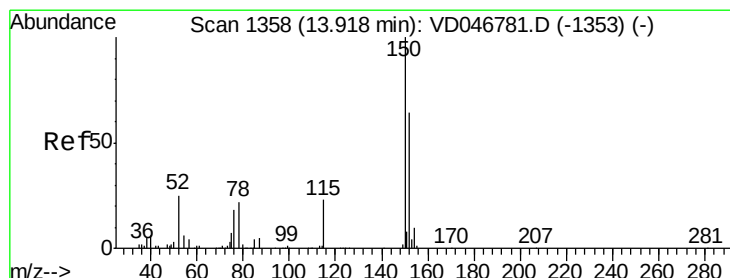
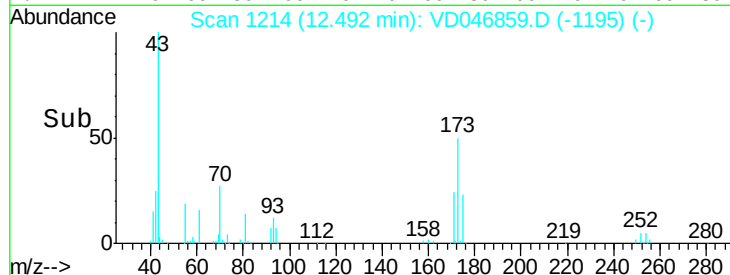
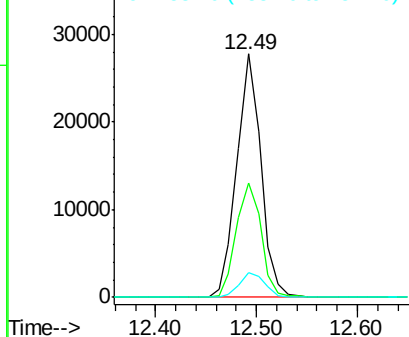
Tot Ion:	173	Resp:	46360
Ion Ratio	Lower	Upper	
173	100		
175	46.8	23.1	69.3
254	10.3	8.7	13.1

Manual Integrations
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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

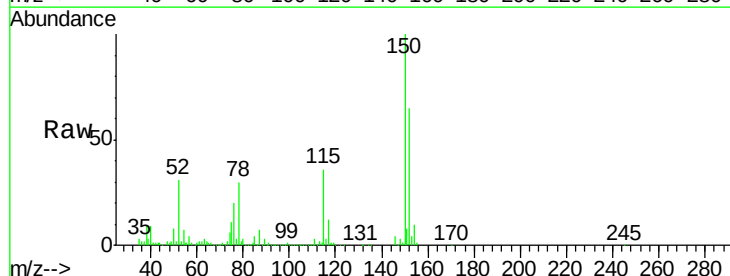
RT: 13.90 min Scan# 1357

Delta R.T. -0.02 min

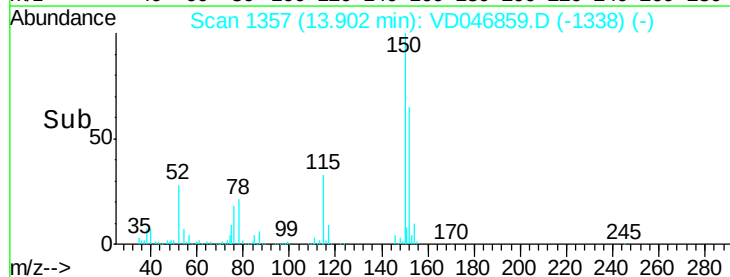
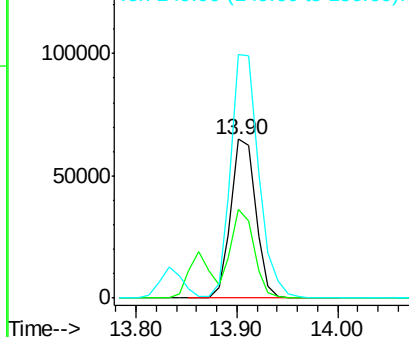
Lab File: VD046859.D

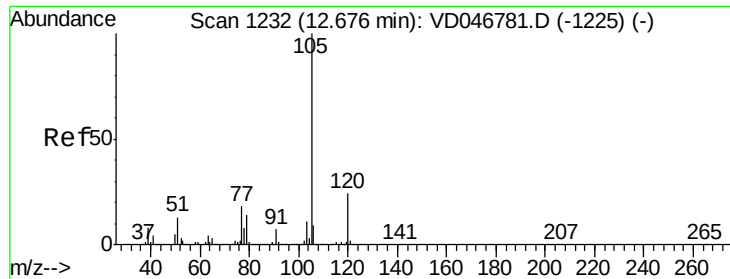
Acq: 23 Sep 2015 17:46

Tgt Ion:	152	Resp:	112726
Ion Ratio	Lower	Upper	
152	100		
115	55.7	26.2	78.6
150	153.6	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: 52.75 ug/l

RT: 12.66 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 419165

Ion Ratio Lower Upper

105 100

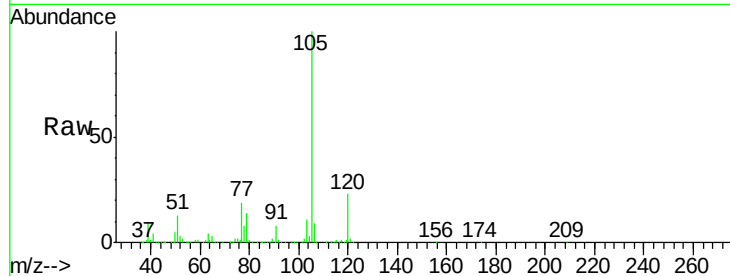
120 23.3 12.4 37.4

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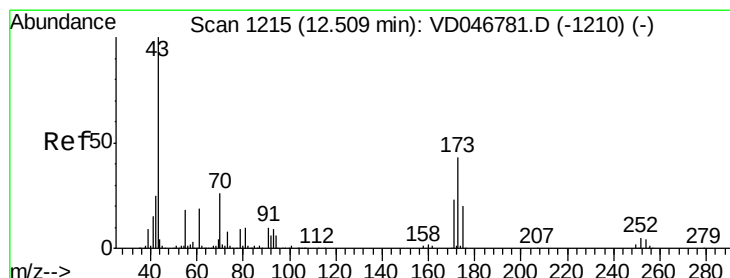
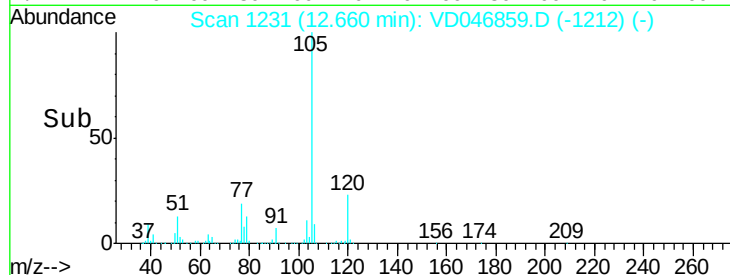
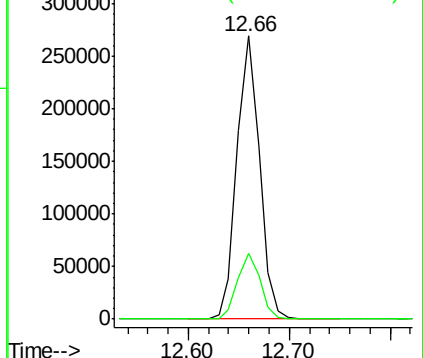
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 41.45 ug/l

RT: 12.49 min Scan# 1214

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Tgt Ion: 43 Resp: 81059

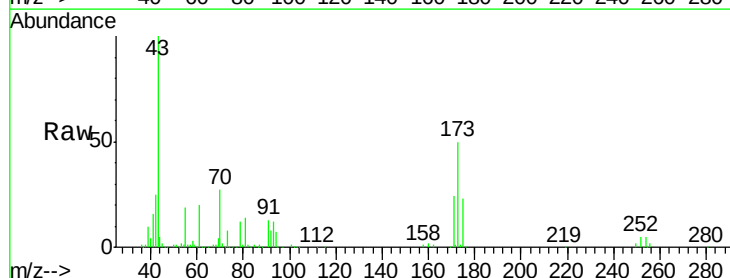
Ion Ratio Lower Upper

43 100

70 27.0 22.1 33.1

55 18.8 14.5 21.7

61 20.4 14.6 21.8

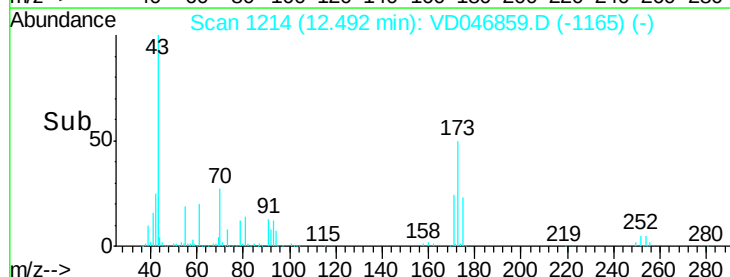
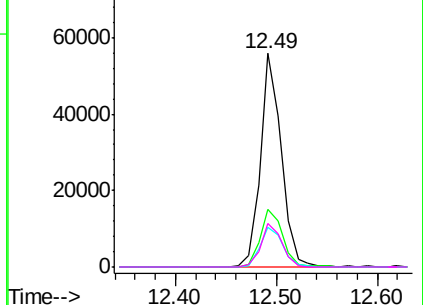


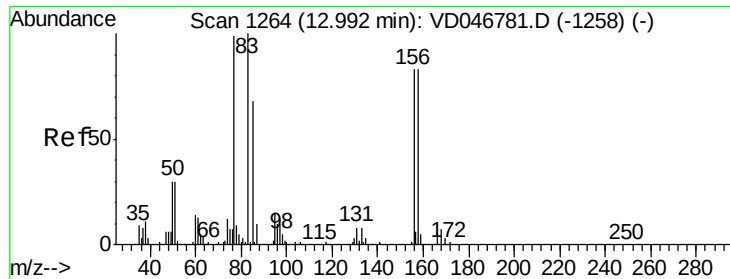
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 48.62 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

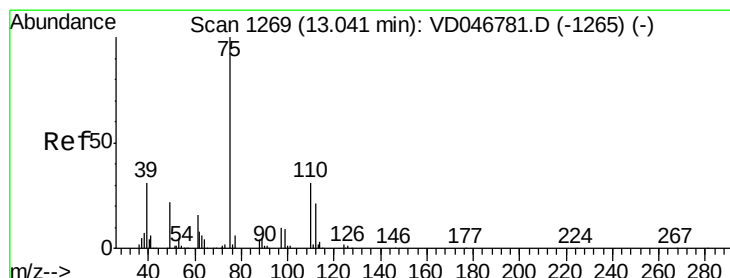
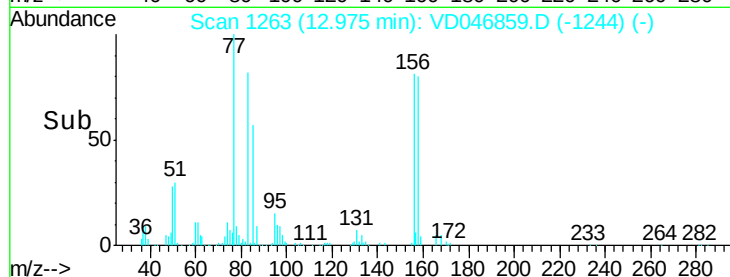
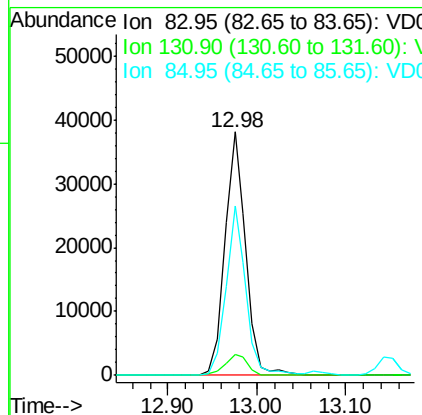
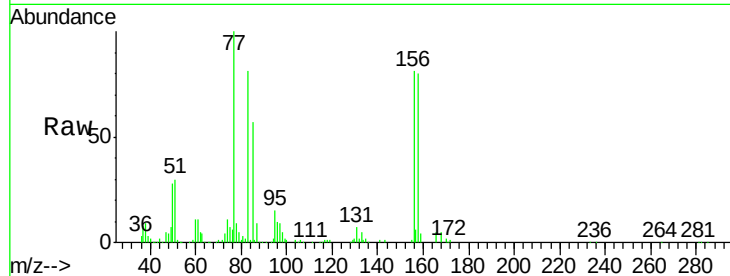
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	62351
Ion Ratio	Lower	Upper	
83	100		
131	8.4	3.9	11.7
85	69.8	30.5	91.5

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#76

1,2,3-Trichloropropane

Concen: 49.25 ug/l

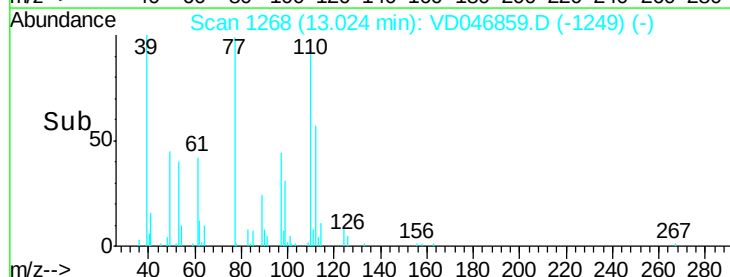
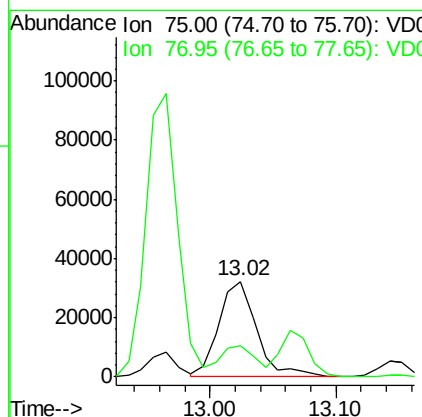
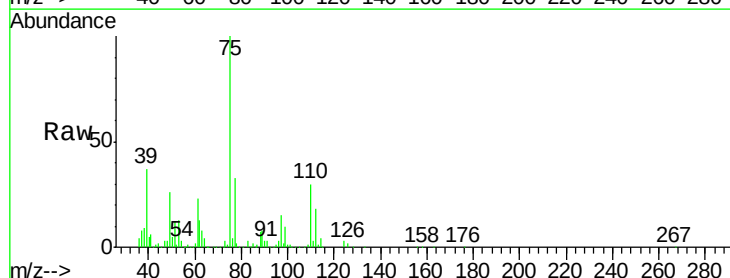
RT: 13.02 min Scan# 1268

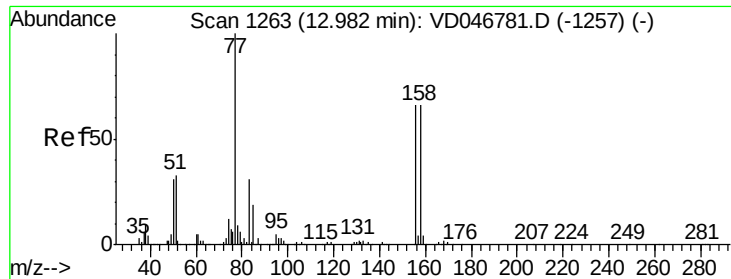
Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Tgt Ion:	75	Resp:	67569
Ion Ratio	Lower	Upper	
75	100		
77	33.2	16.0	48.0





#77

Bromobenzene

Concen: 50.22 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

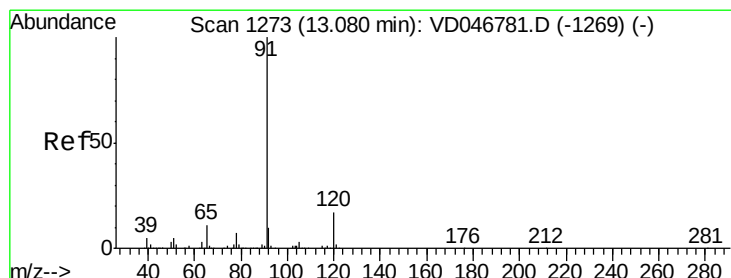
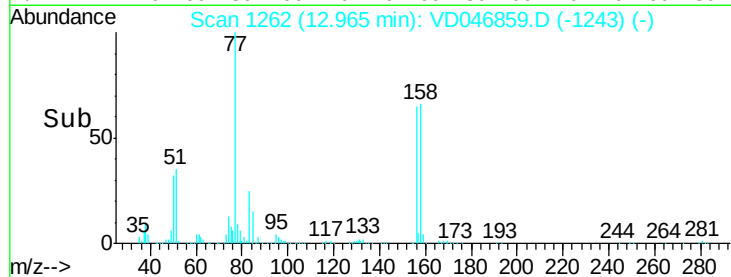
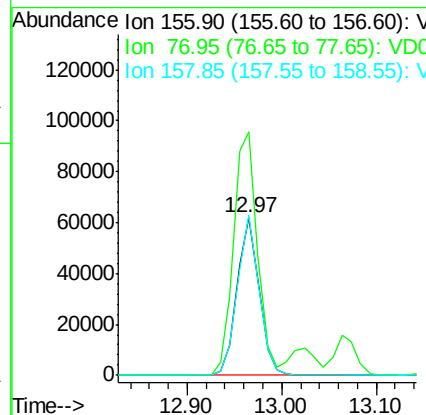
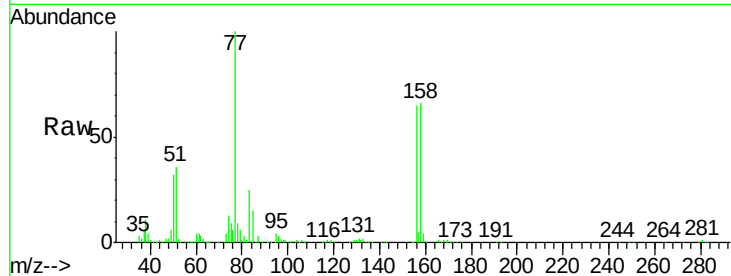
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	100357
Ion Ratio	Lower	Upper	
156	100		
77	154.3	70.3	210.8
158	101.5	49.0	147.0

Manual Integrations
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#78

n-propylbenzene

Concen: 51.97 ug/l

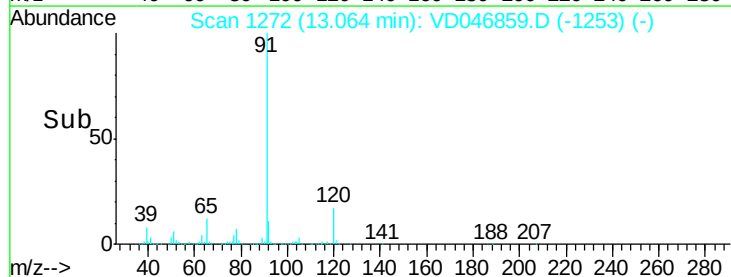
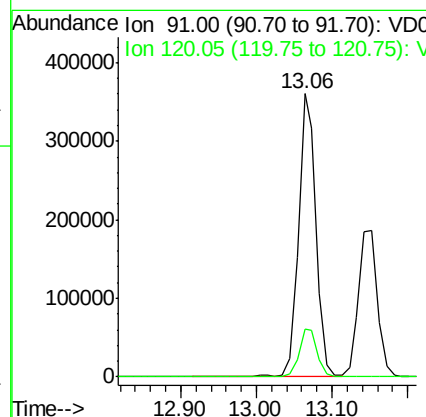
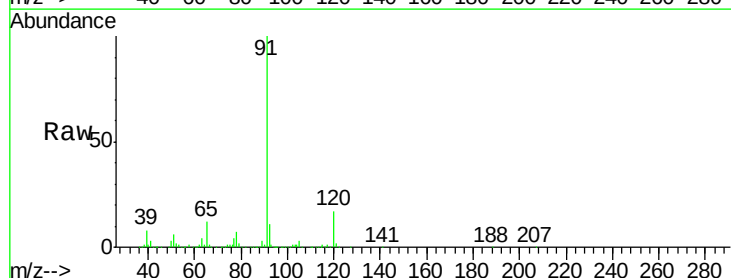
RT: 13.06 min Scan# 1272

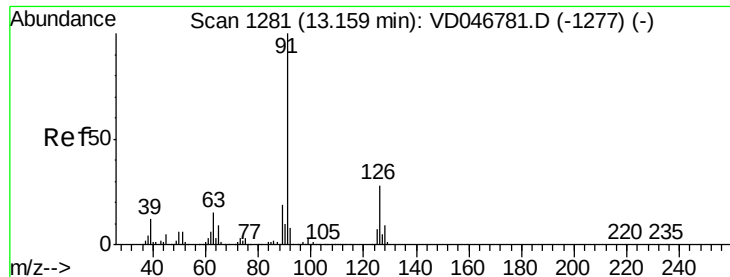
Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Tgt Ion:	91	Resp:	583218
Ion Ratio	Lower	Upper	
91	100		
120	16.7	9.3	27.7





#79

2-Chlorotoluene

Concen: 51.46 ug/l

RT: 13.15 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 320609

Ion Ratio Lower Upper

91 100

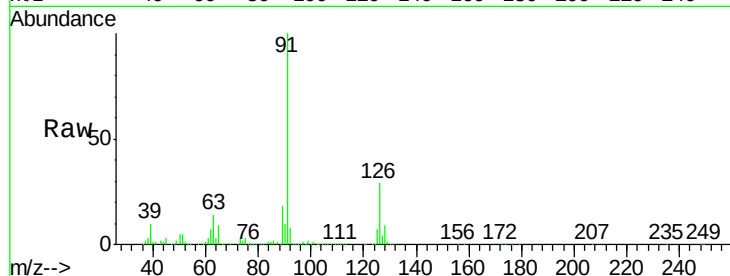
126 29.2 14.1 42.4

Manual Integrations

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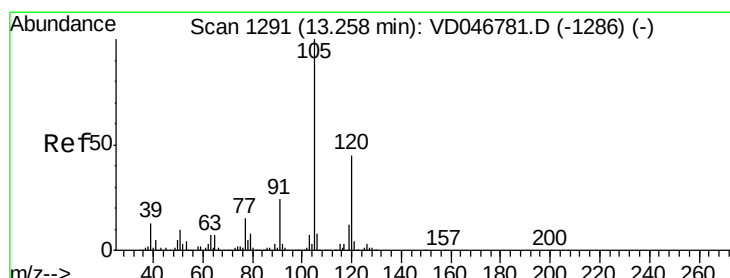
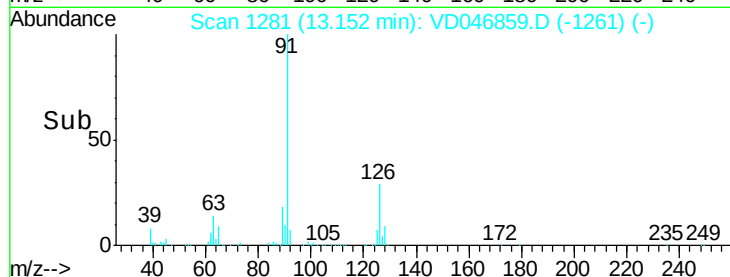
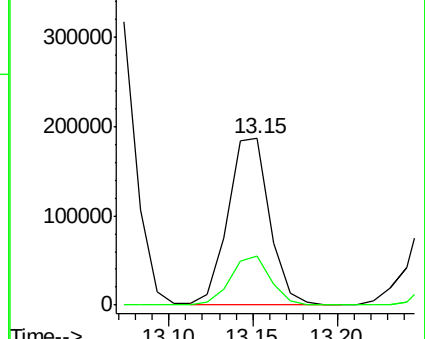
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 51.09 ug/l

RT: 13.24 min Scan# 1290

Delta R.T. -0.02 min

Lab File: VD046859.D

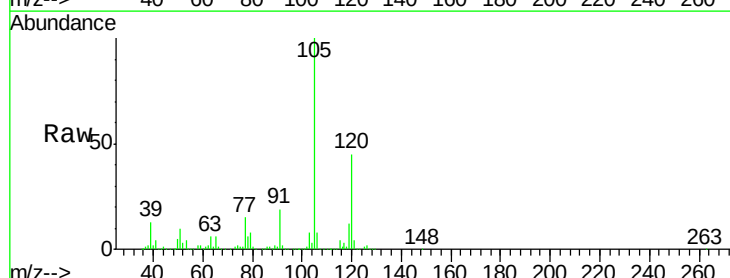
Acq: 23 Sep 2015 17:46

Tgt Ion: 105 Resp: 323485

Ion Ratio Lower Upper

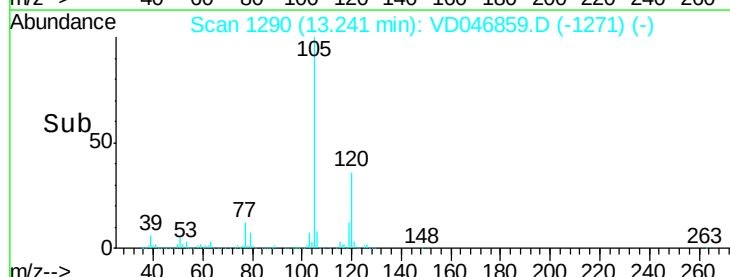
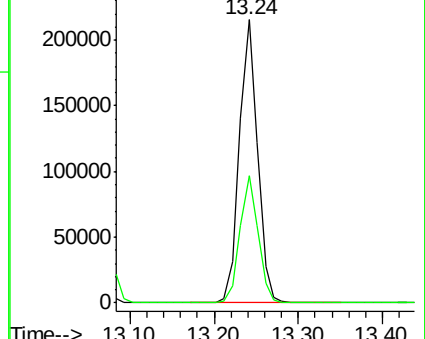
105 100

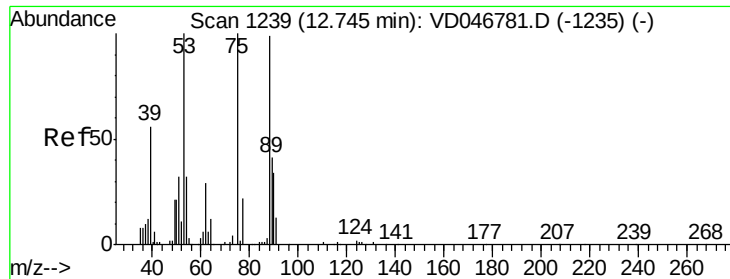
120 45.1 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





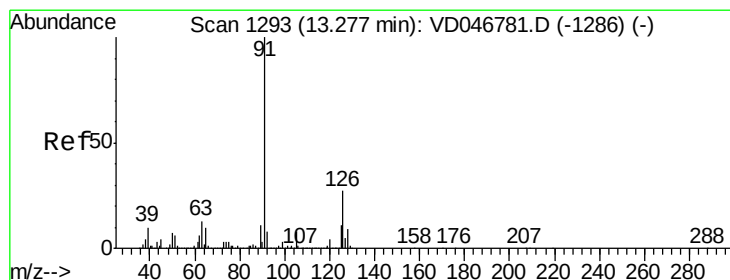
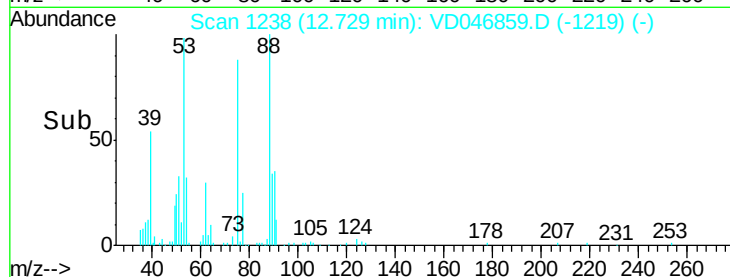
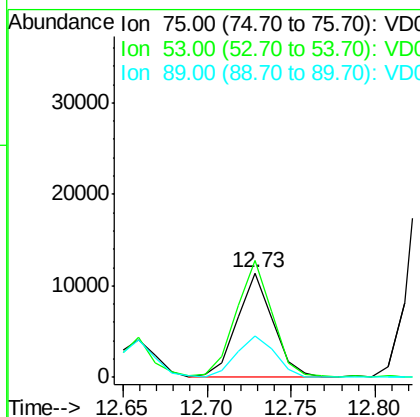
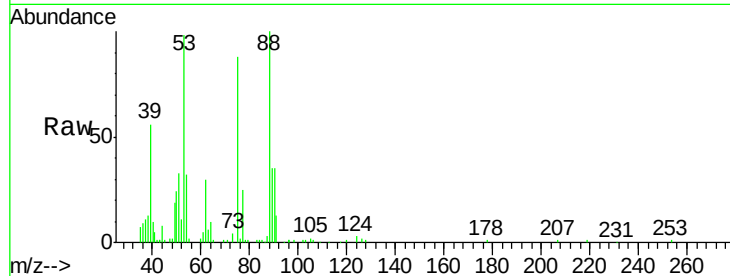
#81
trans-1,4-Dichloro-2-butene
Concen: 45.36 ug/l
RT: 12.73 min Scan# 1238
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.8	82.3	123.5
89	39.4	36.6	54.8

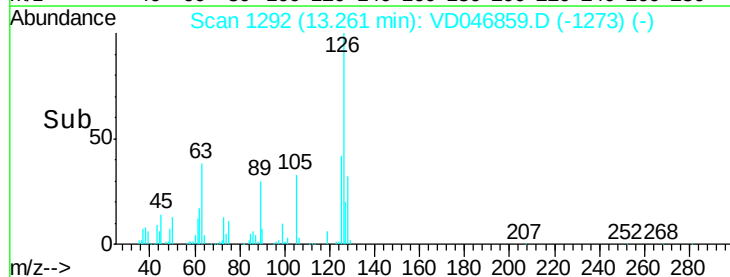
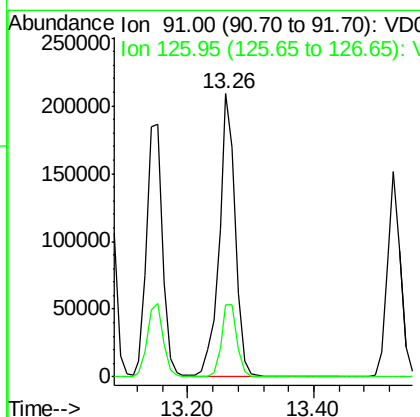
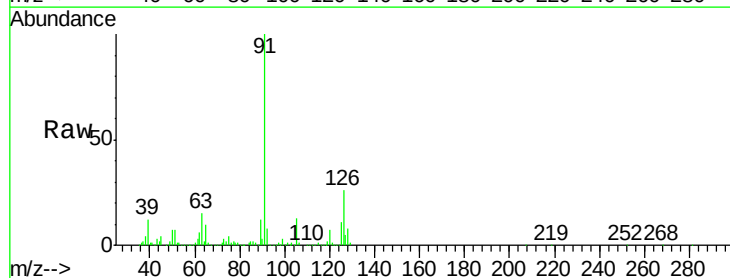
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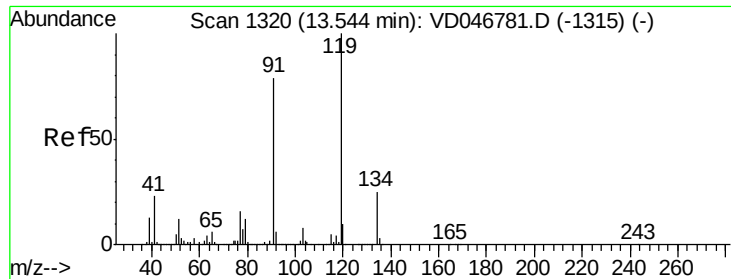
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#82
4-Chlorotoluene
Concen: 50.55 ug/l
RT: 13.26 min Scan# 1292
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	25.6	14.1	42.4





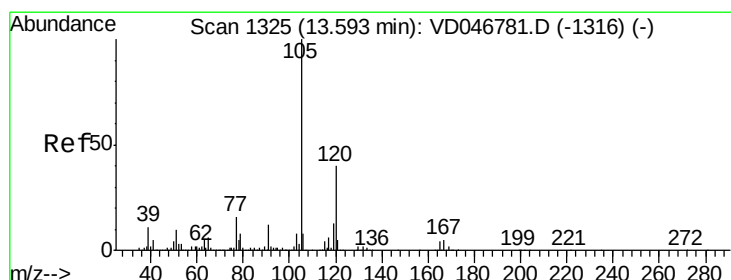
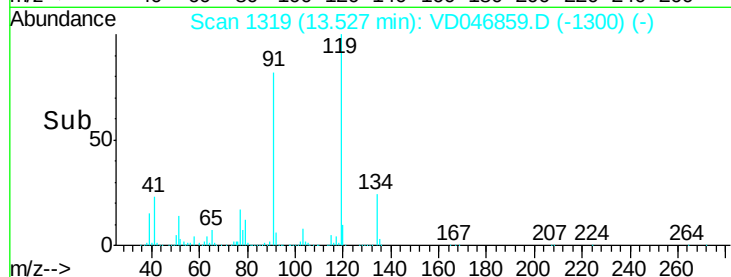
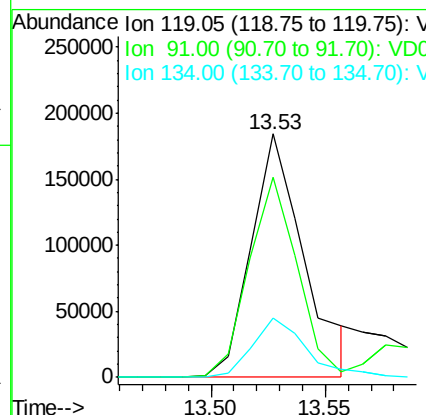
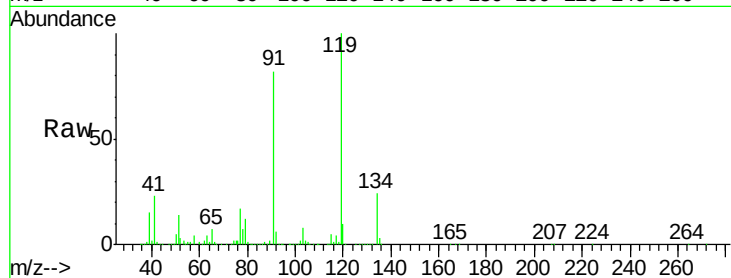
#83
 tert-Butylbenzene
 Concen: 51.99 ug/l m
 RT: 13.53 min Scan# 1319
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	82.3	41.6	124.9
134	24.3	12.4	37.4

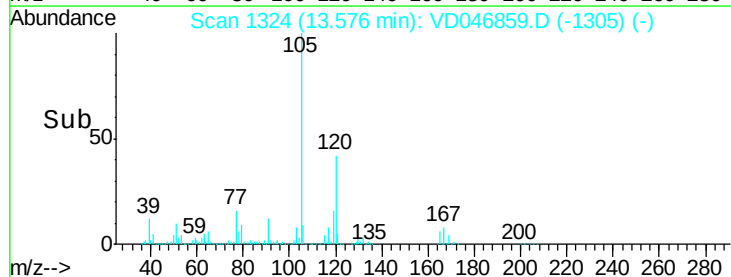
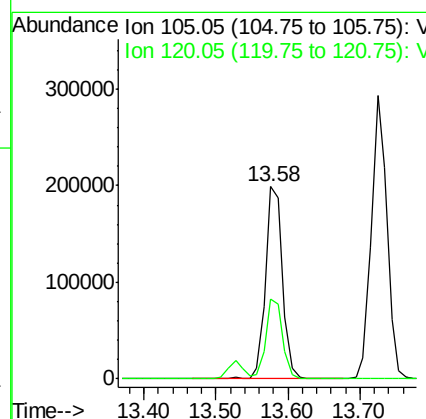
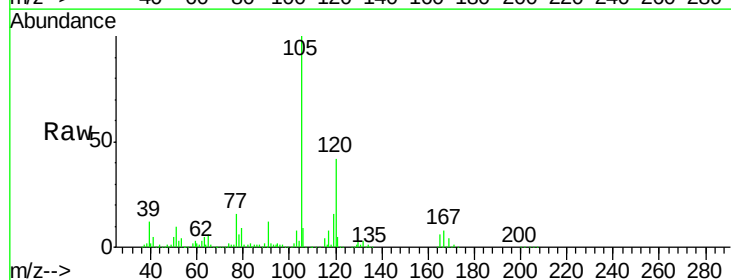
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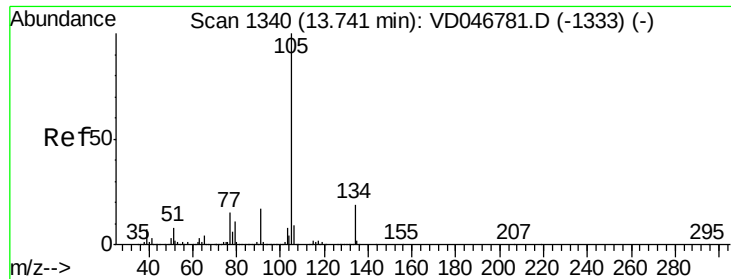
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.62 ug/l
 RT: 13.58 min Scan# 1324
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.7	21.1	63.1





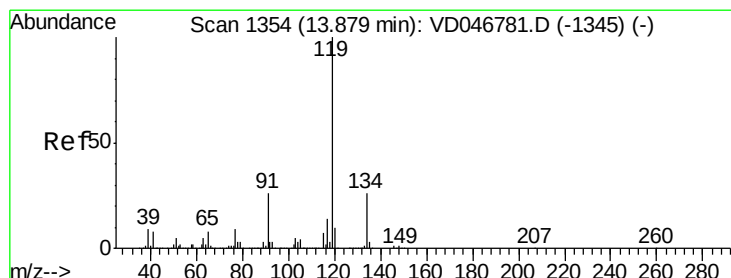
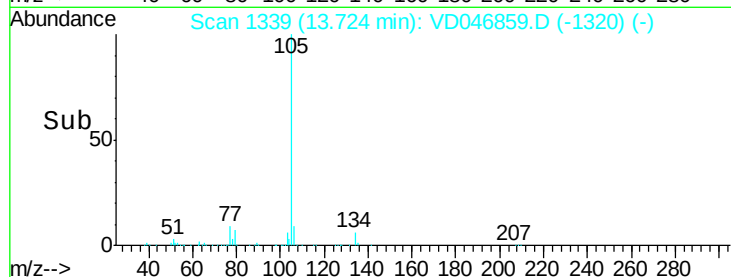
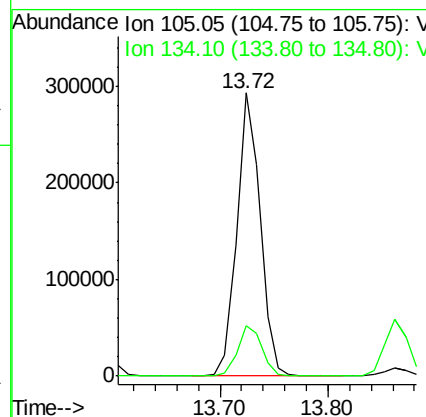
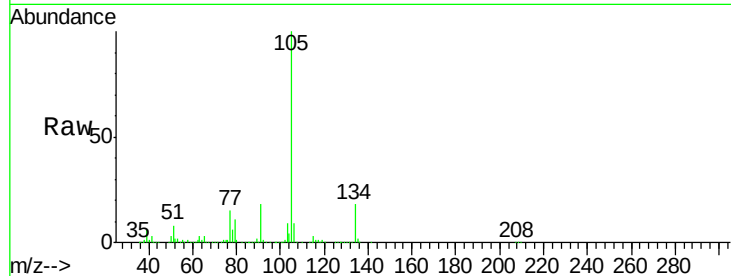
#85
 sec-Butylbenzene
 Concen: 52.39 ug/l
 RT: 13.72 min Scan# 1339
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.6	10.1	30.3

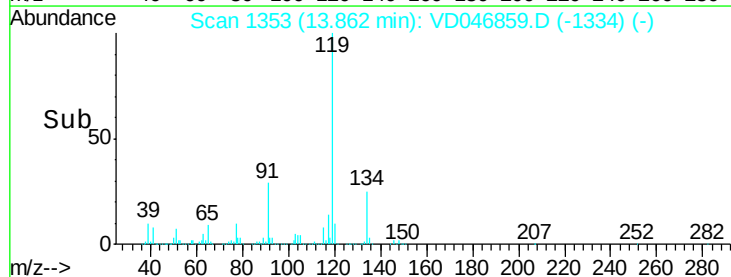
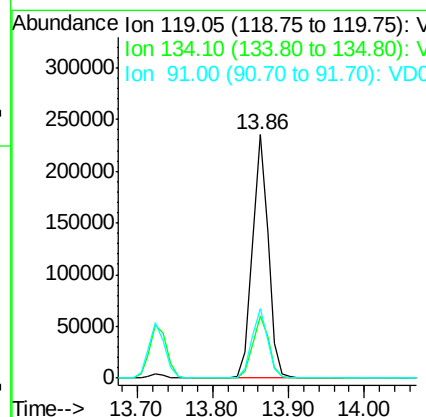
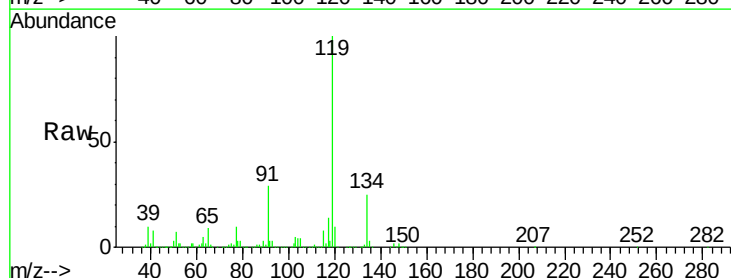
Manual Integrations
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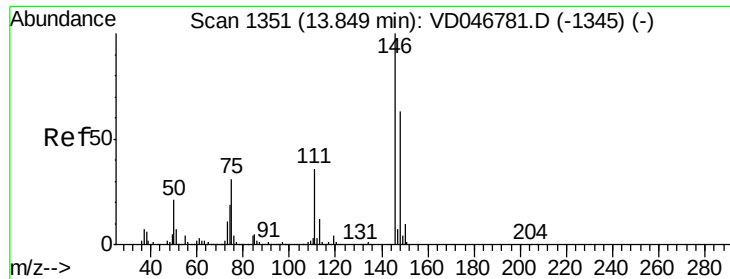
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#86
 p-Isopropyltoluene
 Concen: 51.77 ug/l
 RT: 13.86 min Scan# 1353
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	13.0	38.9
91	28.5	13.8	41.3





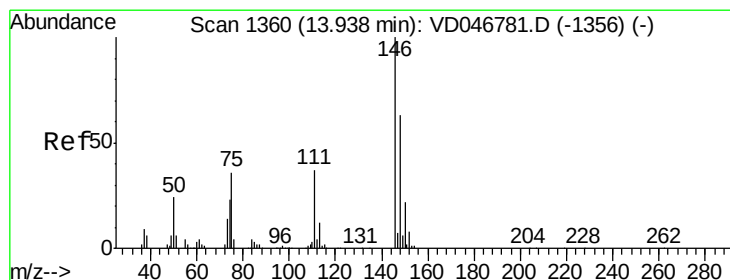
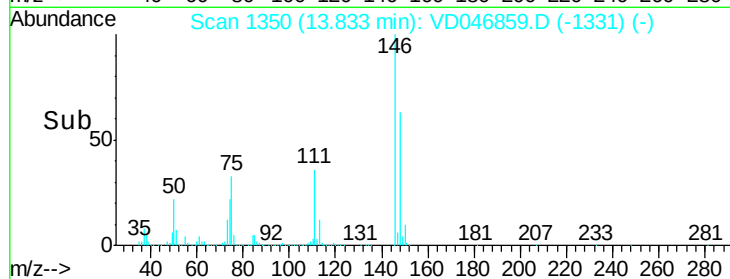
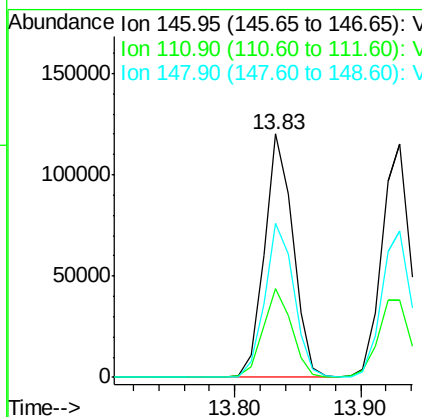
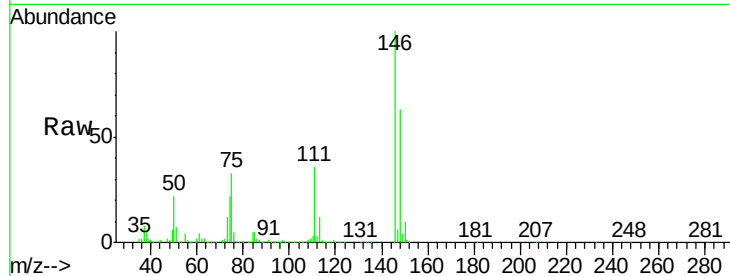
#87
 1,3-Dichlorobenzene
 Concen: 50.83 ug/l
 RT: 13.83 min Scan# 1350
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	17.4	52.2
148	63.1	33.0	99.0

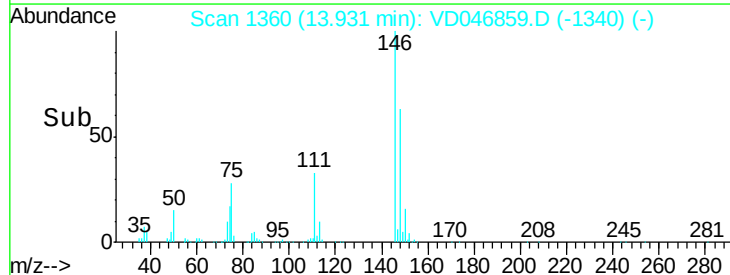
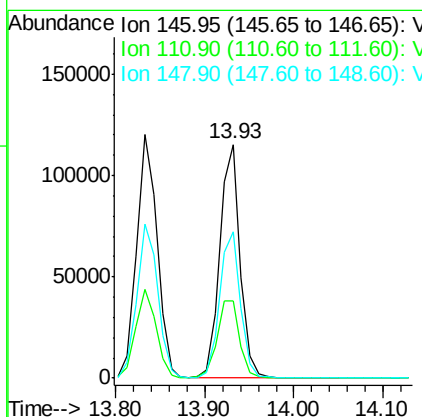
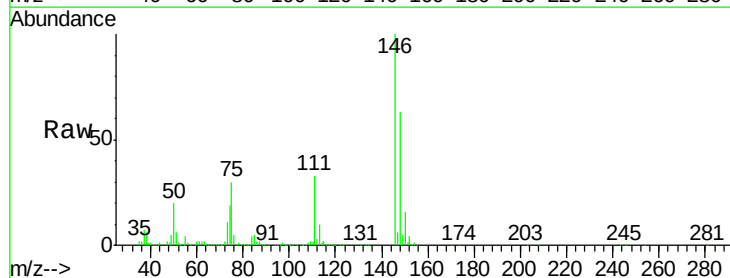
Manual Integrations
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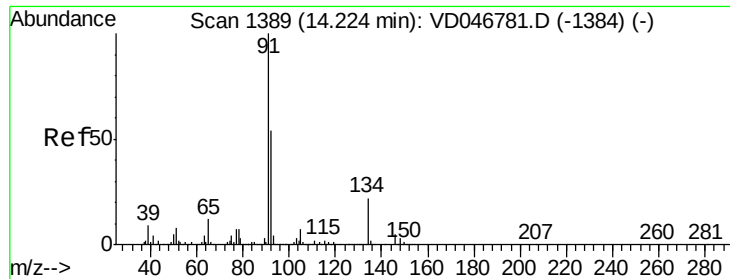
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#88
 1,4-Dichlorobenzene
 Concen: 50.00 ug/l
 RT: 13.93 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.8	17.0	51.0
148	62.8	31.9	95.7





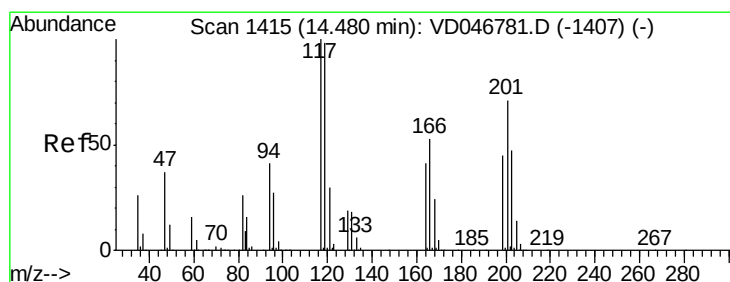
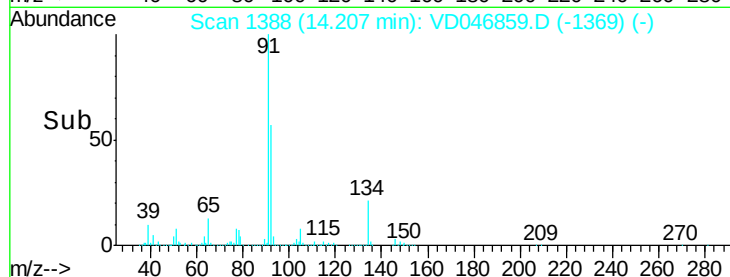
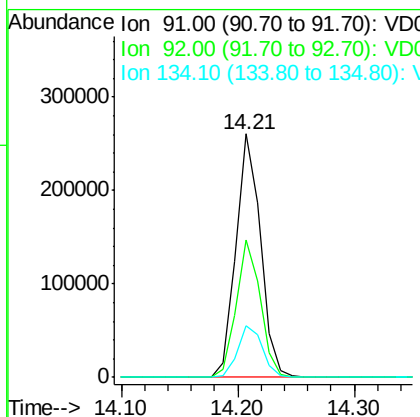
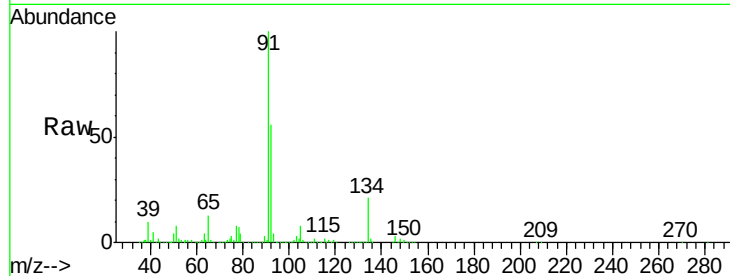
#89
n-Butylbenzene
Concen: 51.27 ug/l
RT: 14.21 min Scan# 1388
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.5	27.1	81.2
134	21.1	9.6	28.6

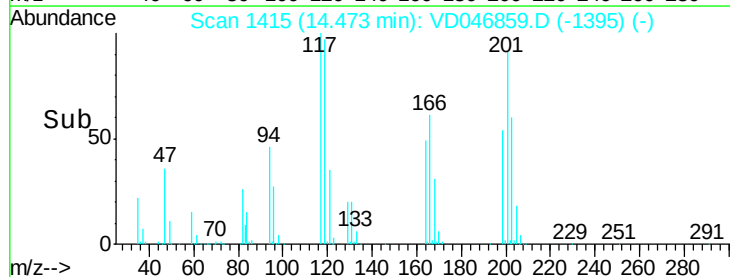
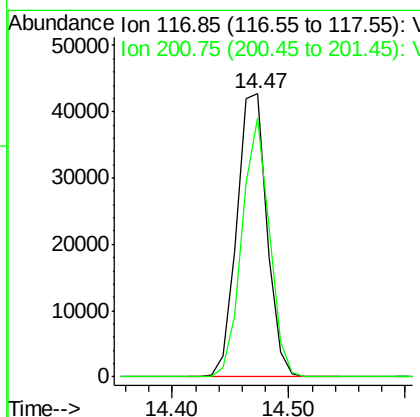
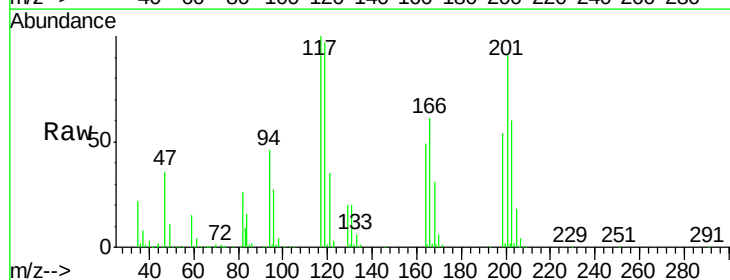
Manual Integrations
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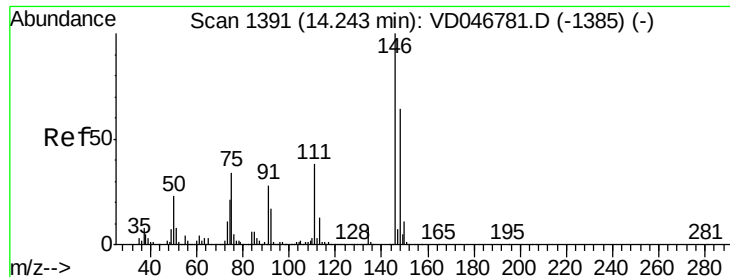
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#90
Hexachloroethane
Concen: 50.12 ug/l
RT: 14.47 min Scan# 1415
Delta R.T. -0.01 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.4	41.0	123.0





#91

1,2-Dichlorobenzene

Concen: 52.05 ug/l

RT: 14.23 min Scan# 1390

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:146 Resp: 163019

Ion Ratio Lower Upper

146 100

111 38.9 18.2 54.6

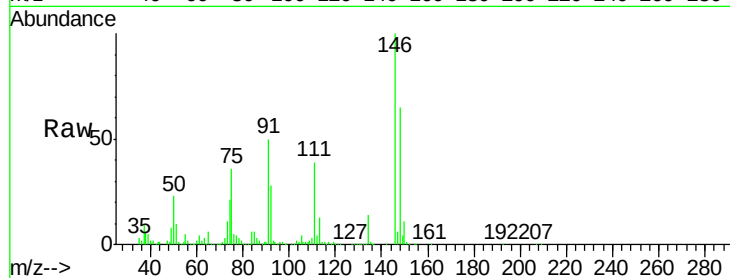
148 65.3 31.1 93.3

Manual Integrations

APPROVED

MMDadoda

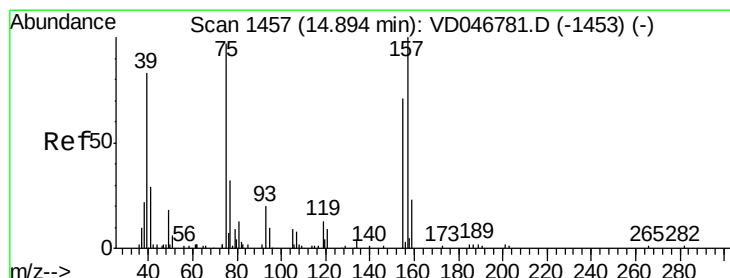
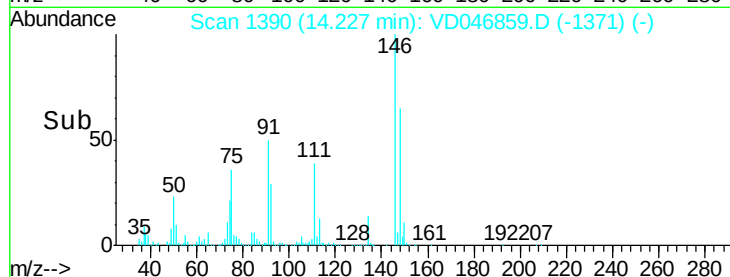
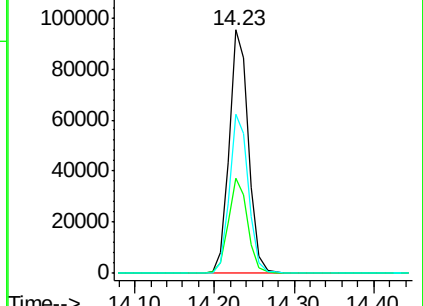
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Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.13 ug/l

RT: 14.88 min Scan# 1456

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

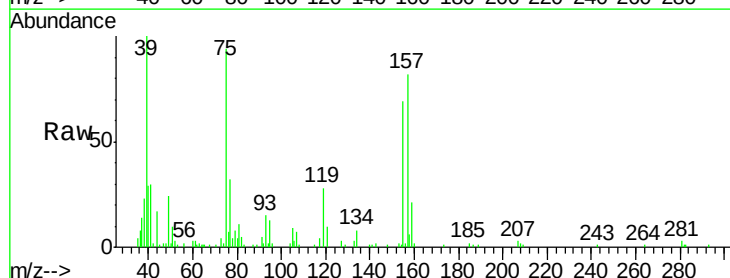
Tgt Ion: 75 Resp: 8097

Ion Ratio Lower Upper

75 100

155 73.4 41.4 124.4

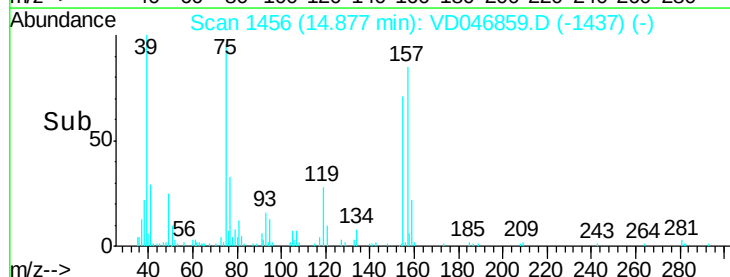
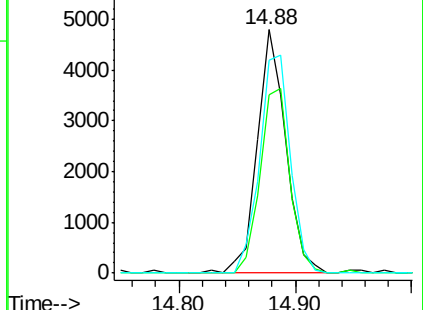
157 87.2 65.0 195.1

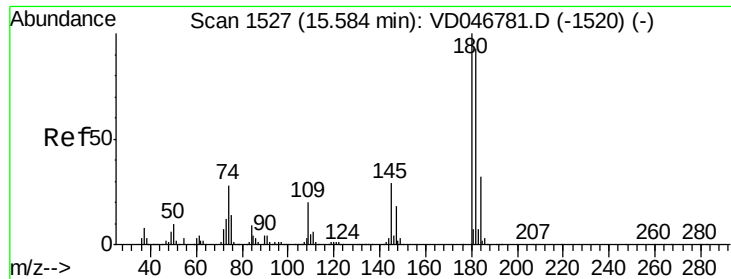


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V





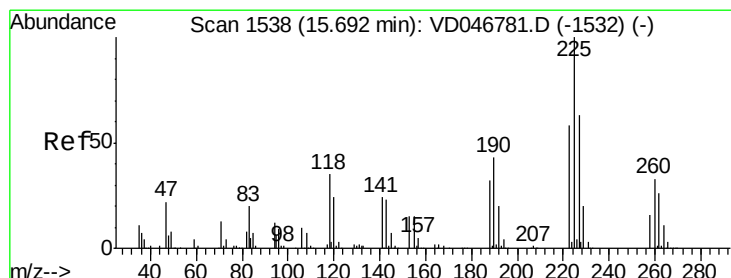
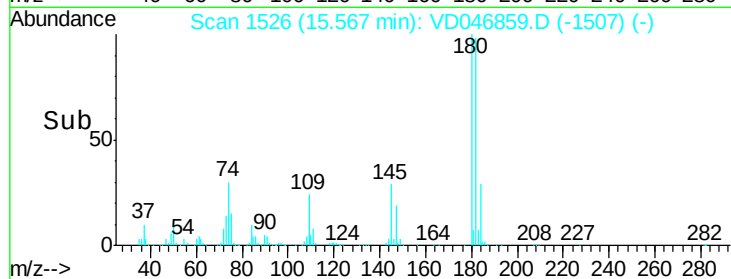
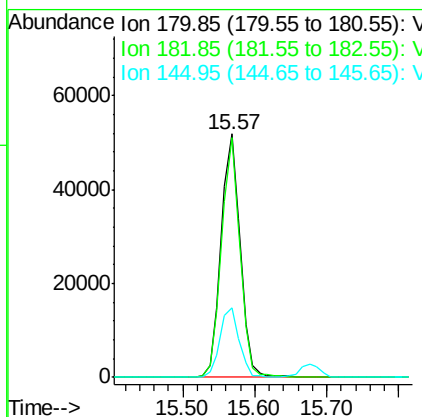
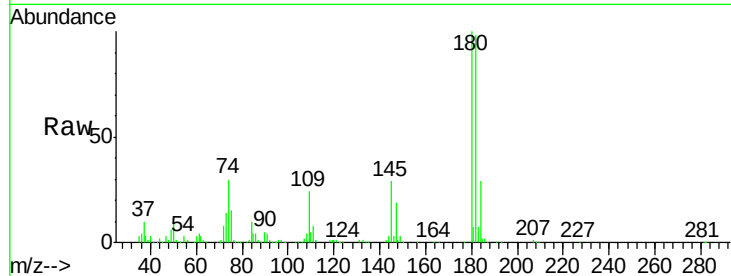
#93
 1,2,4-Trichlorobenzene
 Concen: 53.02 ug/l
 RT: 15.57 min Scan# 1526
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	95621		
182	98.3	47.5	142.5	
145	28.8	14.6	44.0	

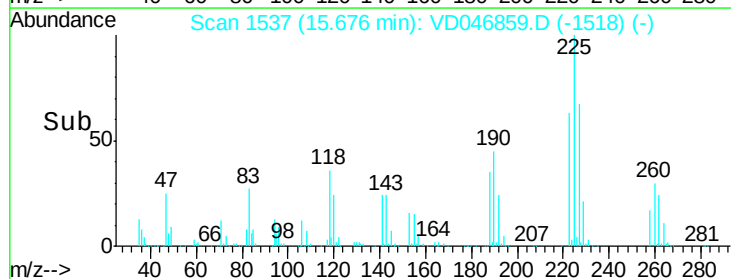
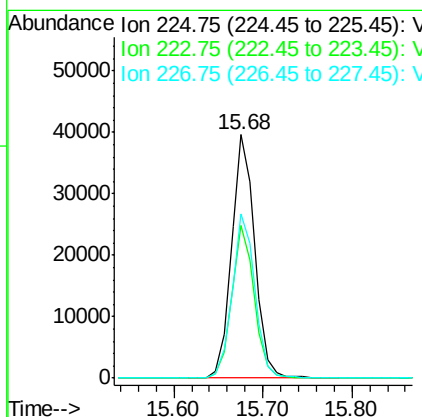
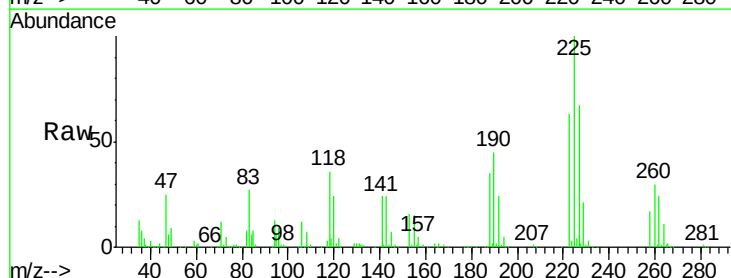
Manual Integrations
 APPROVED

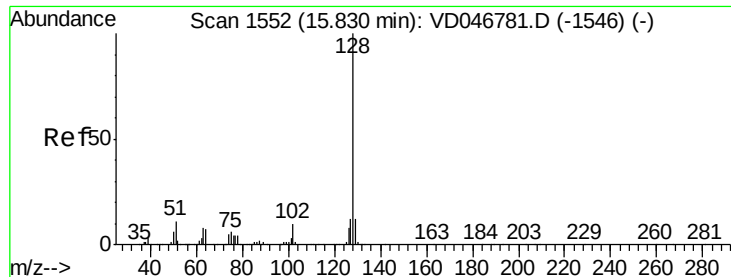
MMDadoda
 9/24/2015 12:56:59 PM



#94
 Hexachlorobutadiene
 Concen: 48.76 ug/l
 RT: 15.68 min Scan# 1537
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	72388		
223	62.8	30.4	91.2	
227	67.2	31.3	93.9	





#95

Naphthalene

Concen: 49.85 ug/l

RT: 15.81 min Scan# 1551

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

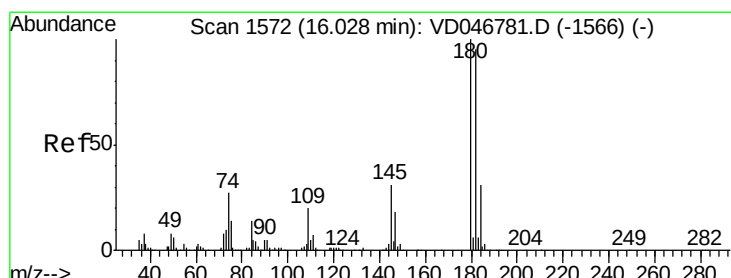
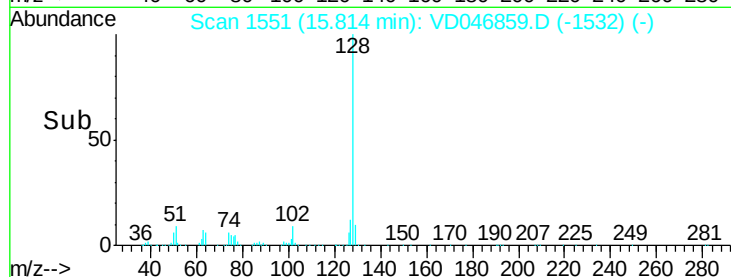
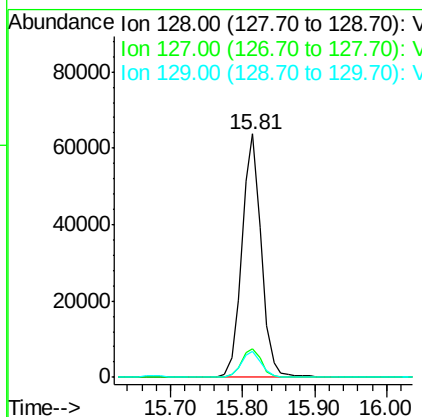
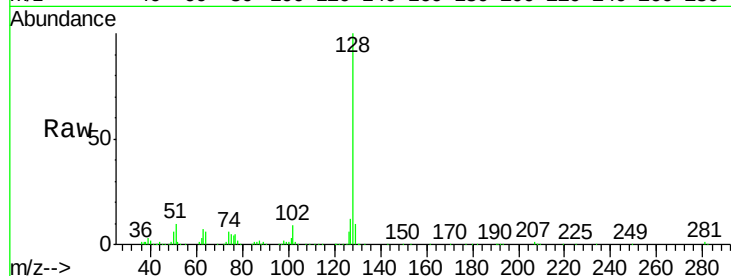
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	118975
Ion Ratio	Lower	Upper	
128	100		
127	11.8	9.8	14.6
129	10.4	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/24/2015 12:56:59 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.46 ug/l

RT: 16.01 min Scan# 1571

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Tgt Ion:	180	Resp:	77555
Ion Ratio	Lower	Upper	
180	100		
182	93.5	47.4	142.3
145	29.0	15.4	46.4

