

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN092115\
 Data File : VN027341.D
 Acq On : 21 Sep 2015 20:04
 Operator : MD\FY
 Sample : VN0921WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:28:37 PM

Quant Time: Sep 22 03:24:24 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N092115W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 21 13:12:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	523220	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	997397	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	854919	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	323329	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	520427	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
36) Dibromofluoromethane	7.68	113	324901	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
51) Toluene-d8	10.19	98	1226257	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
63) 4-Bromofluorobenzene	12.52	95	429922	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	107437	19.78	ug/l	100
3) Chlorodifluoromethane	1.82	51	130494	18.98	ug/l #	92
4) Chloromethane	2.01	50	123370	19.83	ug/l	98
5) Vinyl Chloride	2.14	62	135417	19.51	ug/l	98
6) Bromomethane	2.54	94	60676	21.47	ug/l	91
7) Chloroethane	2.69	64	87077	19.73	ug/l	99
8) Trichlorofluoromethane	3.02	101	202832	20.12	ug/l	100
9) Diethyl Ether	3.43	74	89576	20.00	ug/l	86
10) 1,1,2-Trichlorotrifluoroet	3.79	101	127233	19.90	ug/l	95
11) Methyl Iodide	3.99	142	82112	18.15	ug/l	92
12) Tert butyl alcohol	4.80	59	84661	103.61	ug/l	96
13) 1,1-Dichloroethene	3.77	96	121403	20.32	ug/l	98
14) Acrolein	3.62	56	87609	82.70	ug/l	95
15) Allyl chloride	4.37	41	227335	19.51	ug/l #	82
16) Acrylonitrile	5.03	53	303554	102.31	ug/l	97
17) Acetone	3.83	43	275256	98.78	ug/l	95
18) Carbon Disulfide	4.11	76	343934	19.23	ug/l	99
19) Methyl Acetate	4.36	43	369096	21.35	ug/l	95
20) Methyl tert-butyl Ether	5.12	73	483260	20.26	ug/l	95
21) Methylene Chloride	4.60	84	147787	19.92	ug/l	98
22) trans-1,2-Dichloroethene	5.13	96	127693	19.44	ug/l	93
23) Diisopropyl ether	6.04	45	506265	19.98	ug/l #	85
24) Vinyl Acetate	5.98	43	779975m	97.57	ug/l	
25) 1,1-Dichloroethane	5.93	63	294832	19.96	ug/l	99
26) 2-Butanone	6.92	43	380062	104.15	ug/l	97
27) 2,2-Dichloropropane	6.92	77	255569	20.08	ug/l	95
28) cis-1,2-Dichloroethene	6.92	96	157310	20.27	ug/l	96
29) Bromochloromethane	7.29	49	127936	22.08	ug/l	97
30) Tetrahydrofuran	7.32	42	244427	105.67	ug/l	89
31) Chloroform	7.46	83	284282	20.49	ug/l	100
32) Cyclohexane	7.77	56	277087	20.16	ug/l #	91
33) 1,1,1-Trichloroethane	7.67	97	246281	20.04	ug/l	97
37) 1,1-Dichloropropene	7.89	75	207215	19.28	ug/l	98
38) Ethyl Acetate	7.02	43	166823	20.10	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	197448	19.52	ug/l	98
40) Methylcyclohexane	9.19	83	244861	19.18	ug/l	97
41) Benzene	8.14	78	614165	19.69	ug/l	100
42) Methacrylonitrile	7.24	41	97250	19.85	ug/l #	91
43) 1,2-Dichloroethane	8.22	62	252679	19.87	ug/l	94
44) Isopropyl Acetate	8.25	43	313401	19.76	ug/l	97
45) Trichloroethene	8.93	130	121498	19.44	ug/l	94
46) 1,2-Dichloropropane	9.22	63	172099	19.71	ug/l	99
47) Dibromomethane	9.31	93	101627	19.39	ug/l	94
48) Bromodichloromethane	9.50	83	216366	19.47	ug/l	99
49) Methyl methacrylate	9.29	41	149421	20.01	ug/l #	87
50) 1,4-Dioxane	9.30	88	35634	395.42	ug/l	98
52) 4-Methyl-2-Pentanone	10.07	43	832679	102.05	ug/l	100
53) Toluene	10.26	92	351854	19.07	ug/l	99
54) t-1,3-Dichloropropene	10.47	75	224543	18.93	ug/l	98
55) cis-1,3-Dichloropropene	9.93	75	251800	19.32	ug/l	92
56) 1,1,2-Trichloroethane	10.66	97	135215	19.65	ug/l	98
57) Ethyl methacrylate	10.52	69	215542	19.73	ug/l #	89
58) 1,3-Dichloropropane	10.81	76	250230	19.73	ug/l	99
59) 2-Chloroethyl Vinyl ether	9.78	63	503884	104.09	ug/l	97
60) 2-Hexanone	10.84	43	555094	100.10	ug/l	99
61) Dibromochloromethane	11.00	129	130028	19.29	ug/l	99
62) 1,2-Dibromoethane	11.11	107	130305	19.91	ug/l	99
65) Tetrachloroethene	10.74	164	98208	19.30	ug/l	96
66) Chlorobenzene	11.54	112	350981	19.15	ug/l	100
67) 1,1,1,2-Tetrachloroethane	11.62	131	117081	19.04	ug/l	97
68) Ethyl Benzene	11.62	91	666751	19.28	ug/l	100
69) m/p-Xylenes	11.73	106	458392	38.24	ug/l	90
70) o-Xylene	12.06	106	237213	19.59	ug/l	93
71) Styrene	12.08	104	367964	19.08	ug/l	94
72) Bromoform	12.24	173	75978	18.41	ug/l #	98
74) Isopropylbenzene	12.36	105	627424	19.37	ug/l	99
75) N-amyl acetate	12.17	43	249721	19.43	ug/l	98
76) 1,1,2,2-Tetrachloroethane	12.61	83	177551	19.47	ug/l	97
77) 1,2,3-Trichloropropane	12.66	75	157687m	19.43	ug/l	
78) Bromobenzene	12.64	156	124527	19.65	ug/l	97
79) n-propylbenzene	12.71	91	735191	19.03	ug/l	97
80) 2-Chlorotoluene	12.79	91	449195	19.02	ug/l	95
81) 1,3,5-Trimethylbenzene	12.85	105	497140	18.99	ug/l	96
82) trans-1,4-Dichloro-2-buten	12.40	75	56665	17.90	ug/l	97
83) 4-Chlorotoluene	12.89	91	436046	18.92	ug/l	95
84) tert-Butylbenzene	13.11	119	412121	19.52	ug/l	90
85) 1,2,4-Trimethylbenzene	13.16	105	496160	19.05	ug/l	96
86) sec-Butylbenzene	13.29	105	608836	19.36	ug/l	99
87) p-Isopropyltoluene	13.41	119	454913	19.29	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	212954	19.47	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	213758	19.31	ug/l	95
90) n-Butylbenzene	13.74	91	434646	18.46	ug/l	98
91) Hexachloroethane	14.01	117	92433	18.33	ug/l	91
92) 1,2-Dichlorobenzene	13.78	146	218649	20.01	ug/l	97

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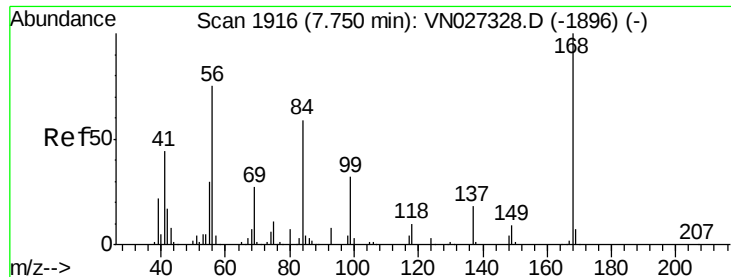
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	34421	19.26	ug/l	85
94) 1,2,4-Trichlorobenzene	15.06	180	108946	19.29	ug/l	99
95) Hexachlorobutadiene	15.16	225	58074	18.77	ug/l	99
96) Naphthalene	15.29	128	294489	19.54	ug/l	99
97) 1,2,3-Trichlorobenzene	15.47	180	109076	19.39	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleID :

VN0921WBSD01

Tot Ion:168 Resp: 523220

Ion Ratio Lower Upper

168 100

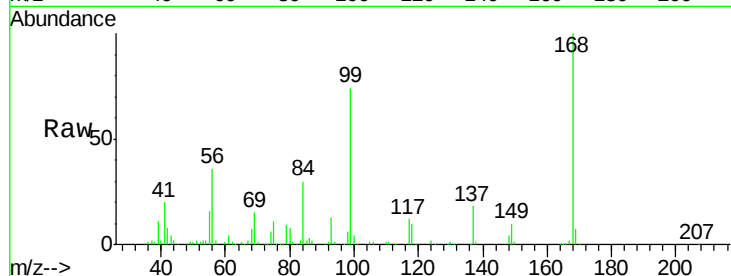
99 73.8 50.4 75.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.75

250000

200000

150000

100000

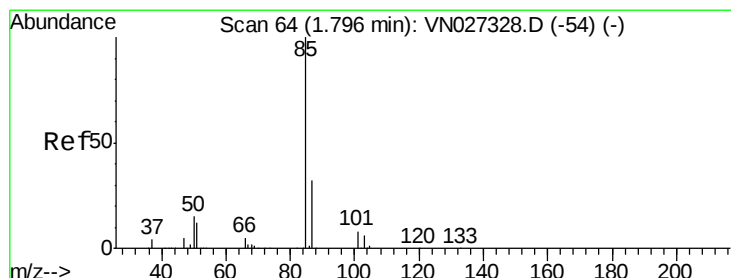
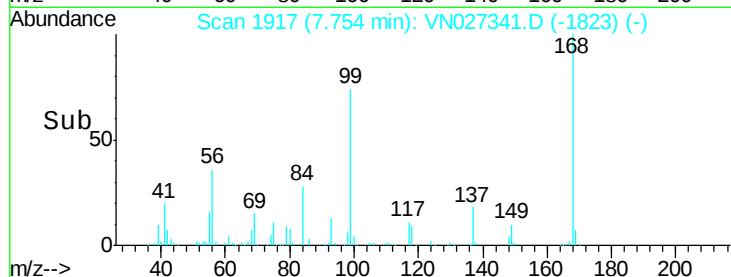
50000

0

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.78 ug/l

RT: 1.80 min Scan# 65

Delta R.T. 0.00 min

Lab File: VN027341.D

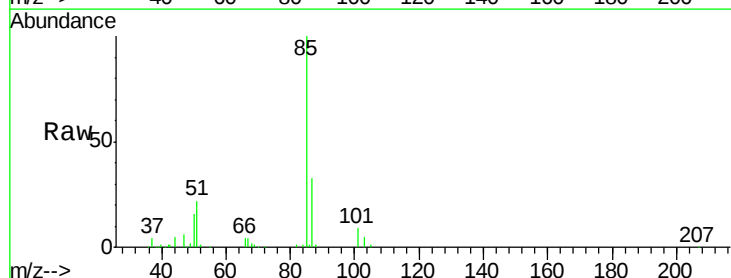
Acq: 21 Sep 2015 20:04

Tgt Ion: 85 Resp: 107437

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.80

80000

60000

40000

20000

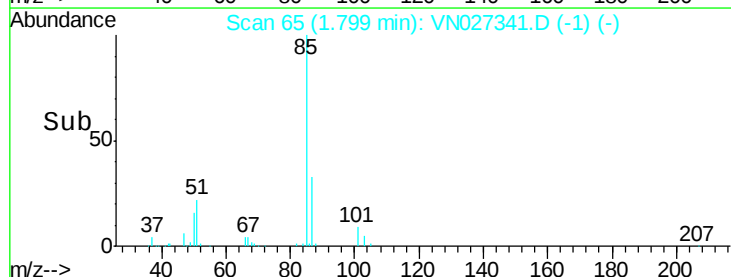
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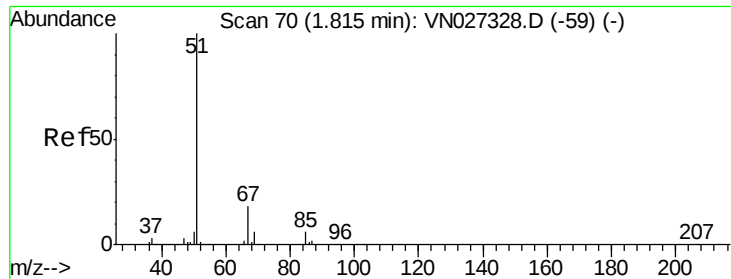
1.75

1.80

1.85

Time-->





#3

Chlorodifluoromethane

Concen: 18.98 ug/l

RT: 1.82 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

Tot Ion: 51 Resp: 130494

Ion Ratio Lower Upper

51 100

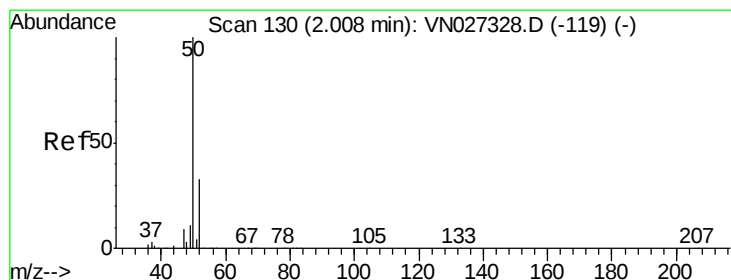
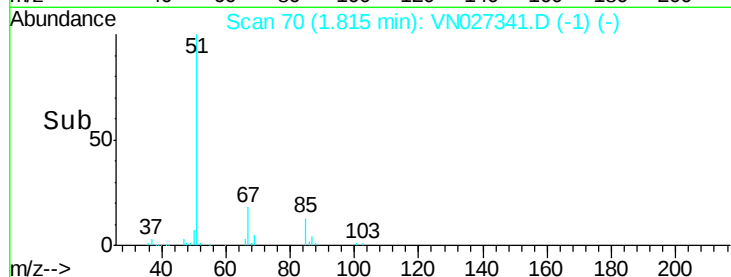
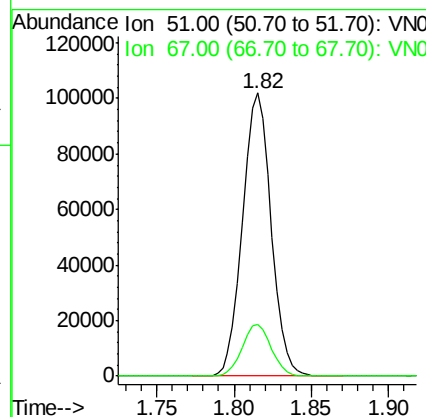
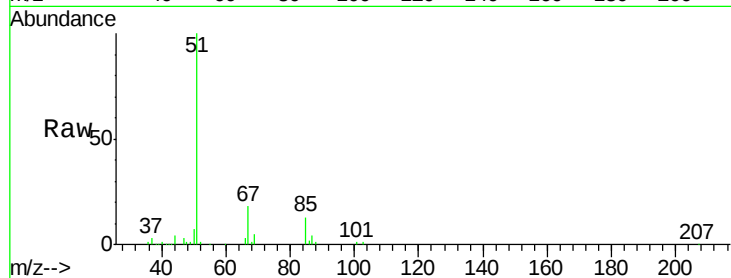
67 18.6 12.2 18.2#

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#4

Chloromethane

Concen: 19.83 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027341.D

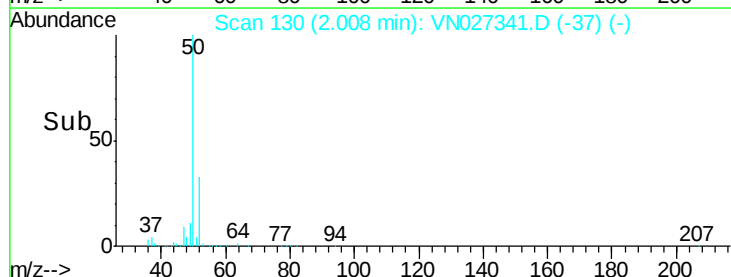
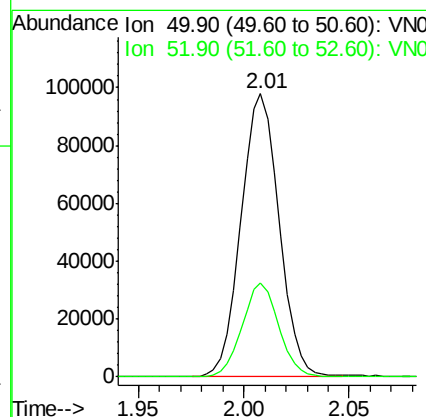
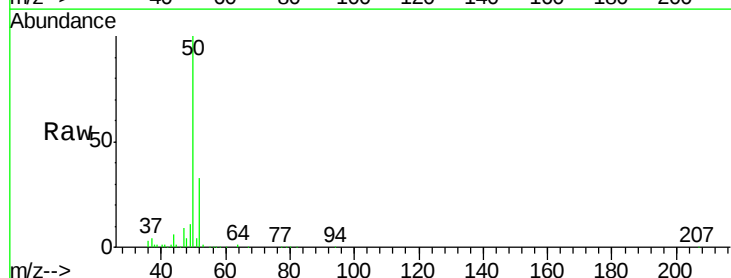
Acq: 21 Sep 2015 20:04

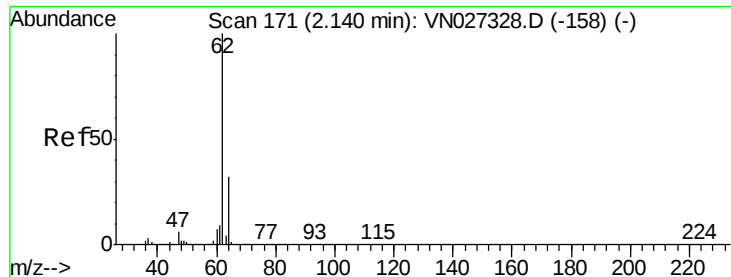
Tgt Ion: 50 Resp: 123370

Ion Ratio Lower Upper

50 100

52 33.4 25.9 38.9





#5

Vinyl Chloride

Concen: 19.51 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampled :

VN0921WBSD01

Tot Ion: 62 Resp: 135417

Ion Ratio Lower Upper

62 100

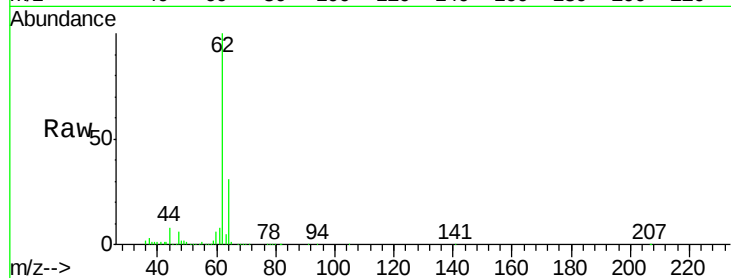
64 31.2 25.9 38.9

Manual Integrations

APPROVED

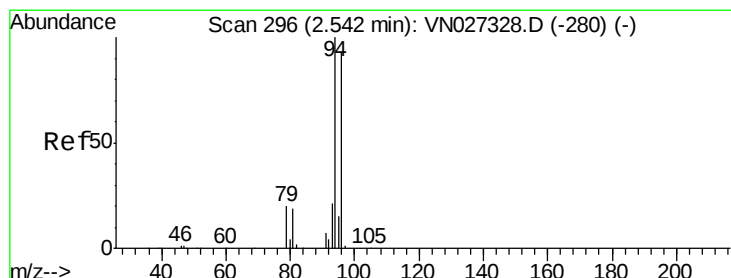
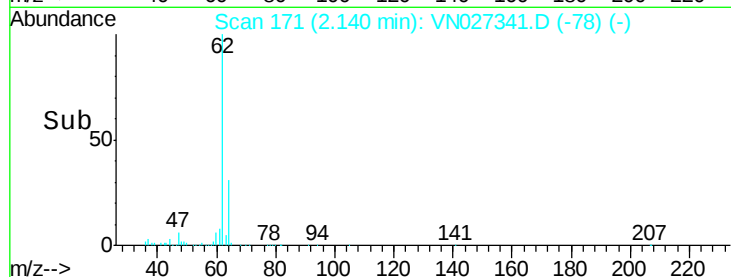
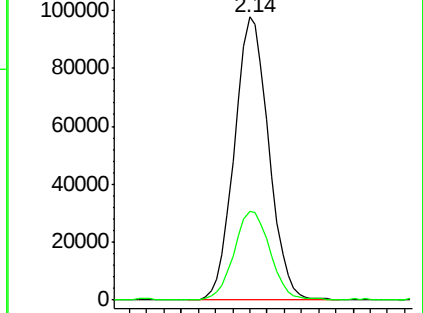
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Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC



#6

Bromomethane

Concen: 21.47 ug/l

RT: 2.54 min Scan# 297

Delta R.T. 0.00 min

Lab File: VN027341.D

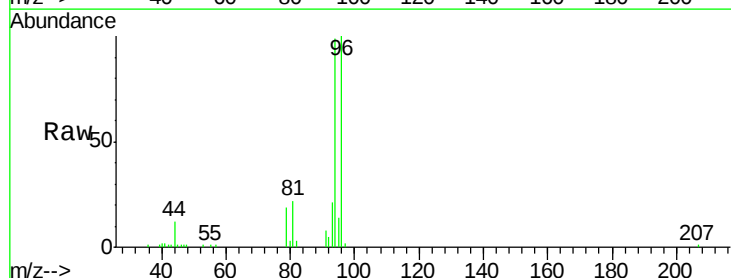
Acq: 21 Sep 2015 20:04

Tgt Ion: 94 Resp: 60676

Ion Ratio Lower Upper

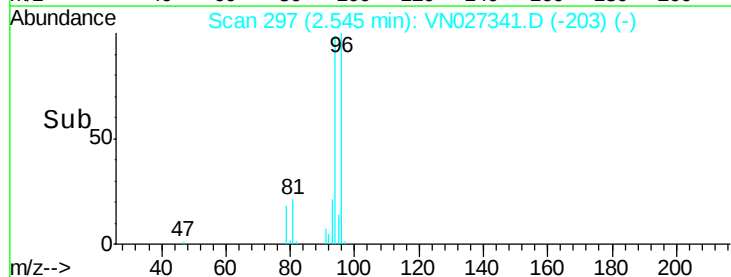
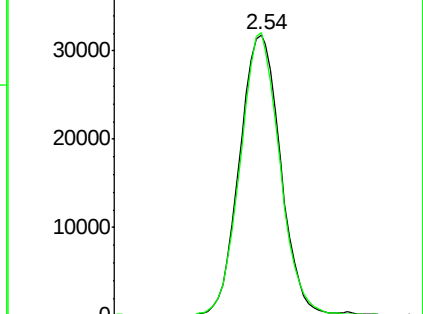
94 100

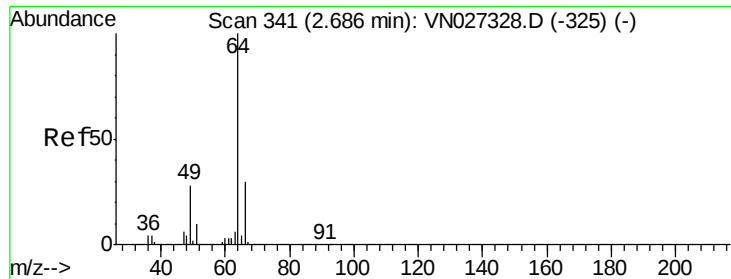
96 100.6 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC





#7

Chloroethane

Concen: 19.73 ug/l

RT: 2.69 min Scan# 341

Delta R.T. 0.00 min

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Tot Ion: 64 Resp: 87077

Ion Ratio Lower Upper

64 100

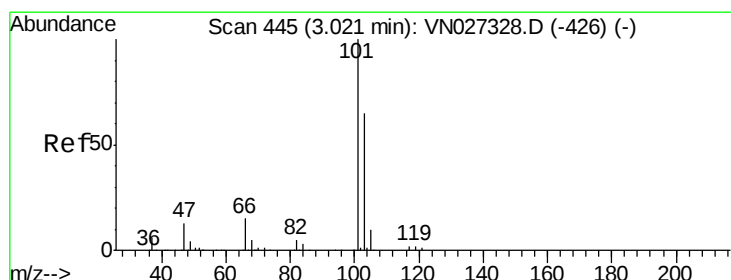
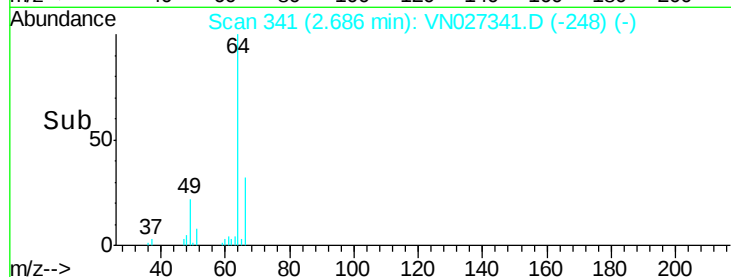
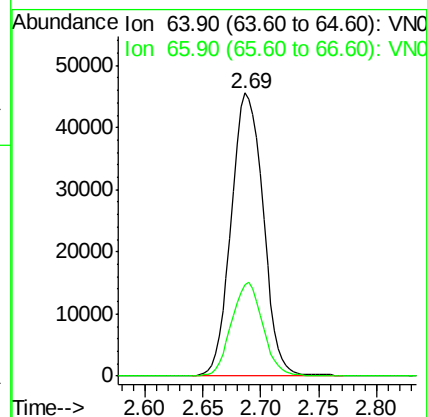
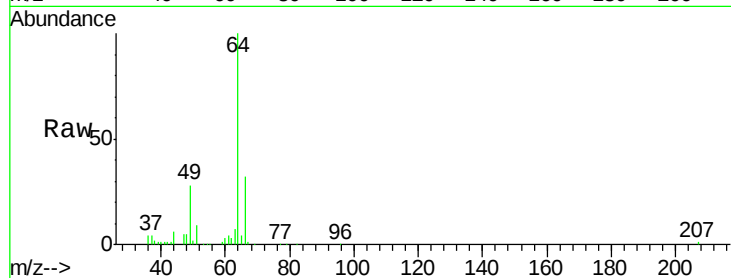
66 32.4 25.5 38.3

Manual Integrations

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#8

Trichlorofluoromethane

Concen: 20.12 ug/l

RT: 3.02 min Scan# 446

Delta R.T. 0.00 min

Lab File: VN027341.D

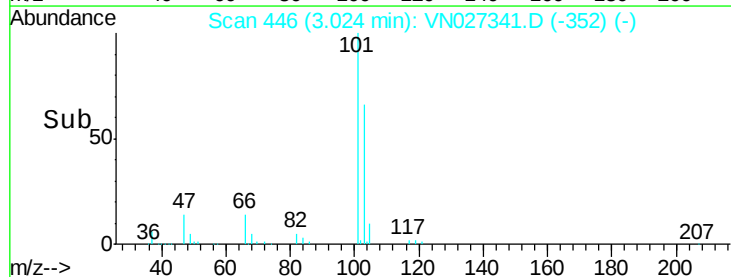
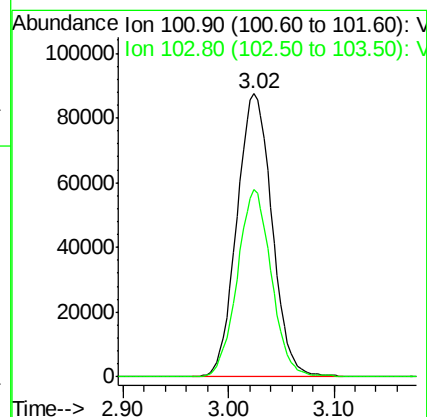
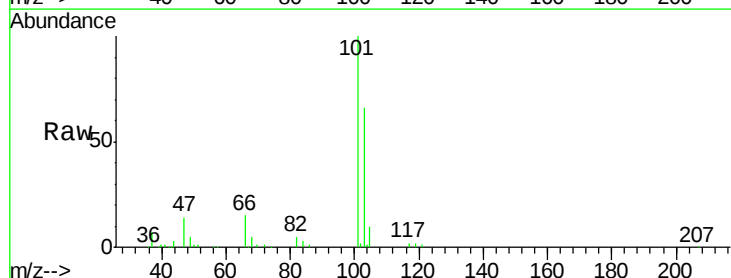
Acq: 21 Sep 2015 20:04

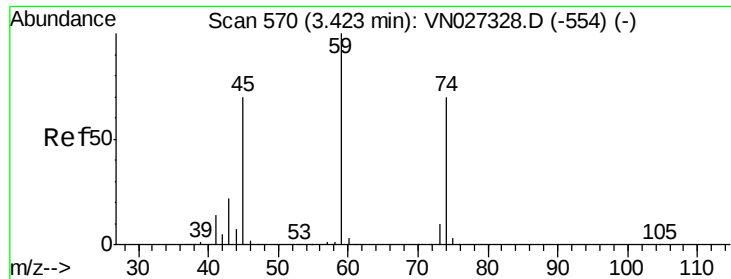
Tgt Ion: 101 Resp: 202832

Ion Ratio Lower Upper

101 100

103 66.0 52.6 79.0





#9

Diethyl Ether

Concen: 20.00 ug/l

RT: 3.43 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

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ClientSampleId :

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Tot Ion: 74 Resp: 89576

Ion Ratio Lower Upper

74 100

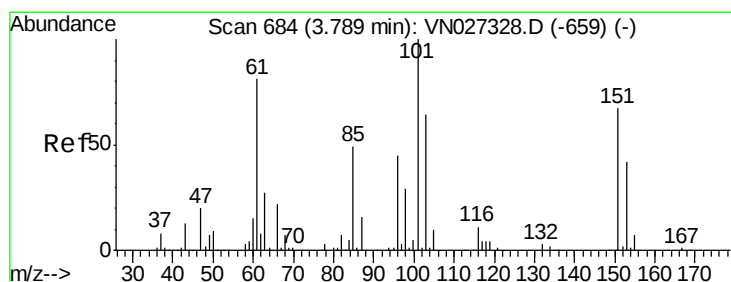
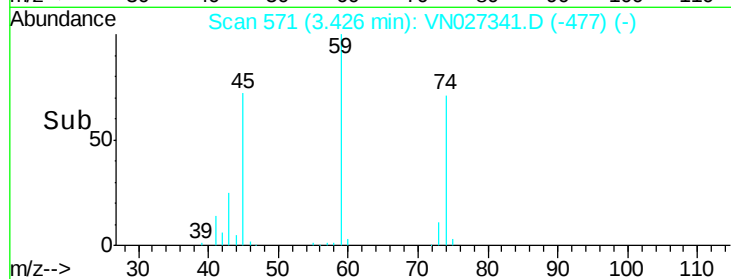
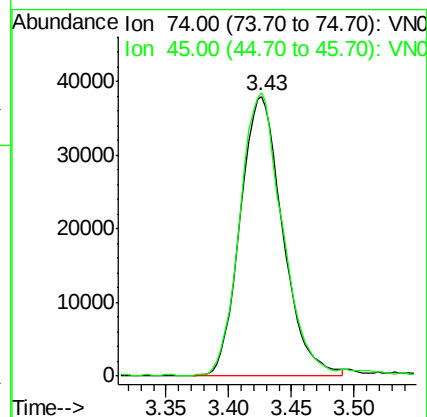
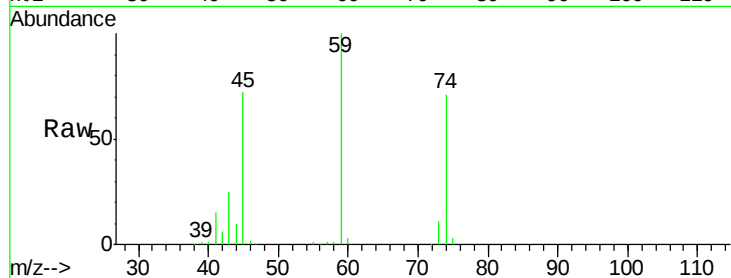
45 101.5 58.1 174.3

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#10

1,1,2-Trichlorotrifluoroethane

Concen: 19.90 ug/l

RT: 3.79 min Scan# 685

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

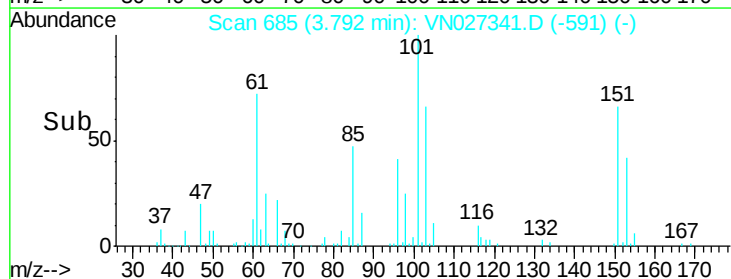
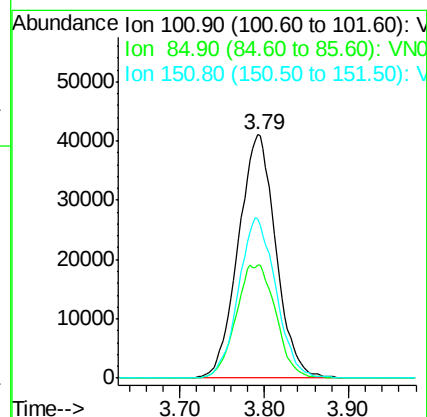
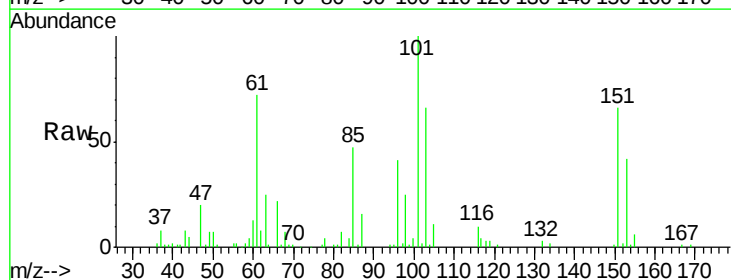
Tgt Ion: 101 Resp: 127233

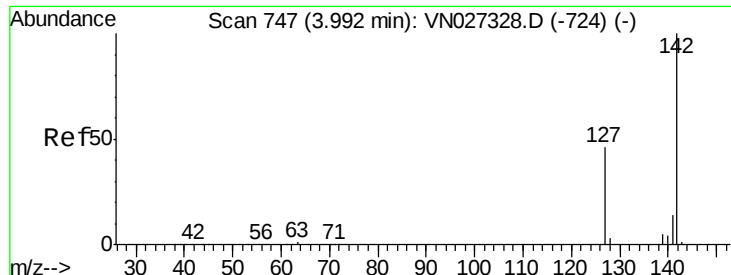
Ion Ratio Lower Upper

101 100

85 49.0 37.4 56.0

151 65.3 55.9 83.9





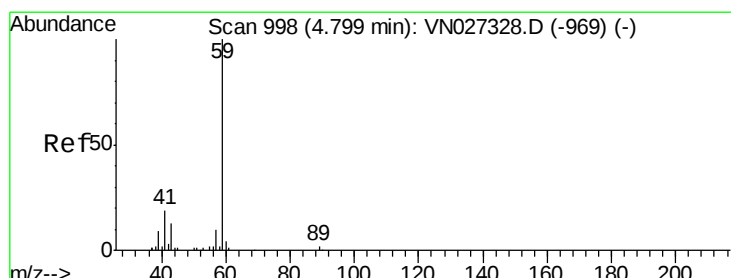
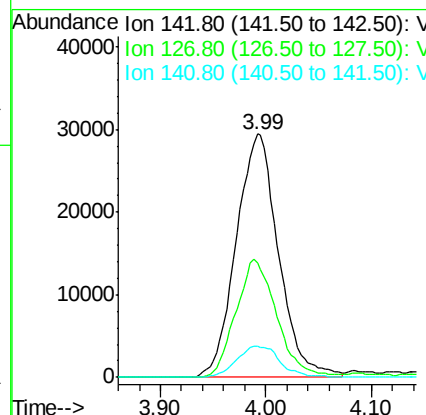
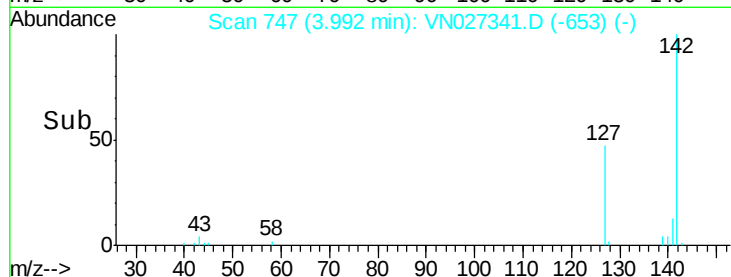
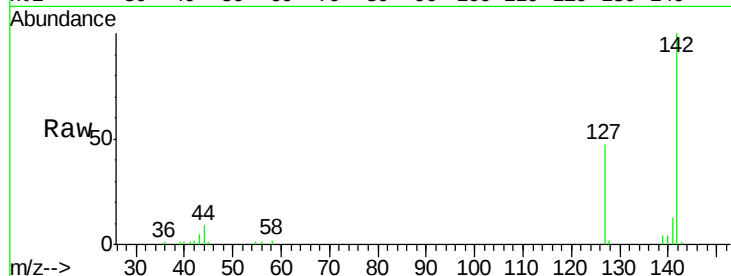
#11
Methvl Iodide
Concen: 18.15 ug/l
RT: 3.99 min Scan# 747
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.9	32.3	48.5
141	13.0	11.2	16.8

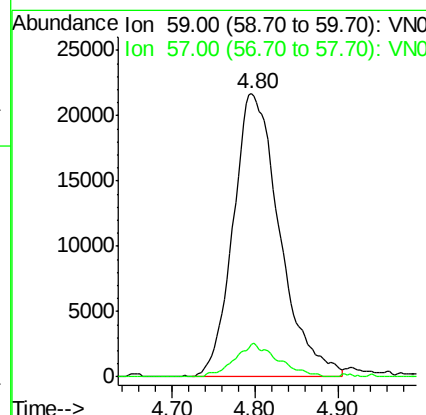
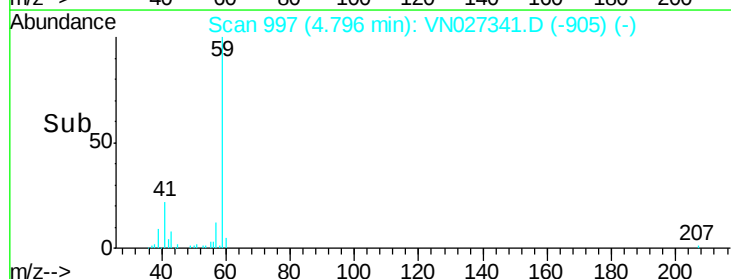
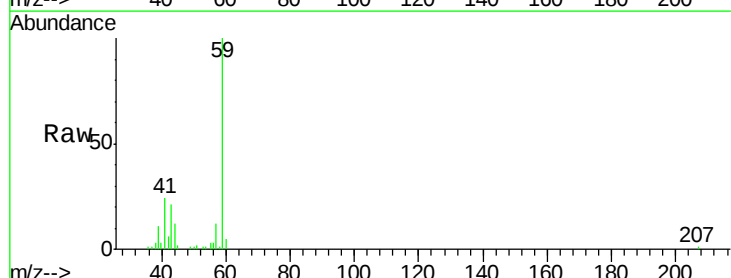
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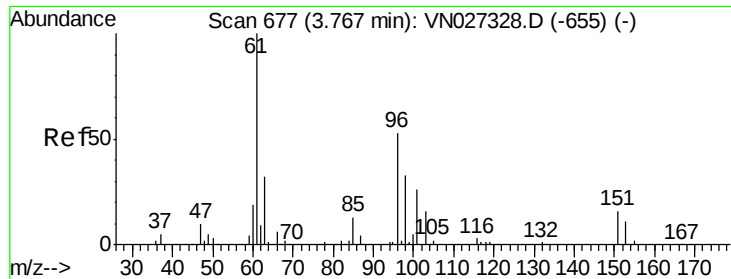
MMDadoda
9/22/2015 2:28:37 PM



#12
Tert butyl alcohol
Concen: 103.61 ug/l
RT: 4.80 min Scan# 997
Delta R.T. -0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.1	7.6	11.4





#13

1,1-Dichloroethene

Concen: 20.32 ug/l

RT: 3.77 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

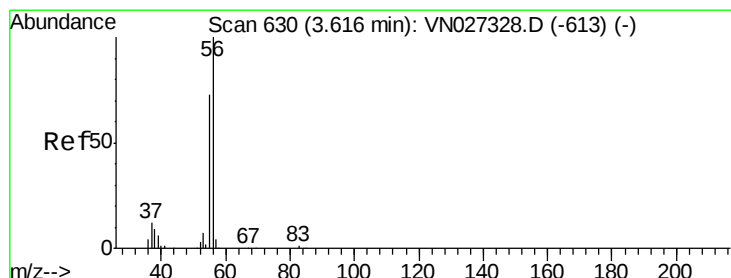
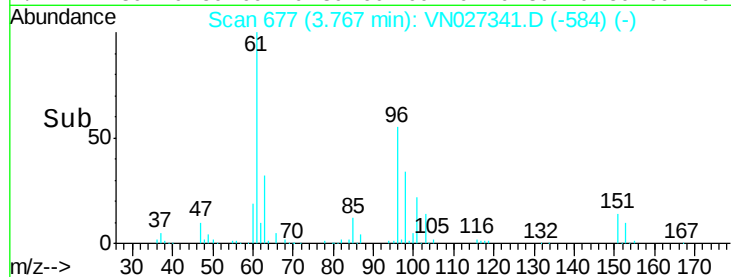
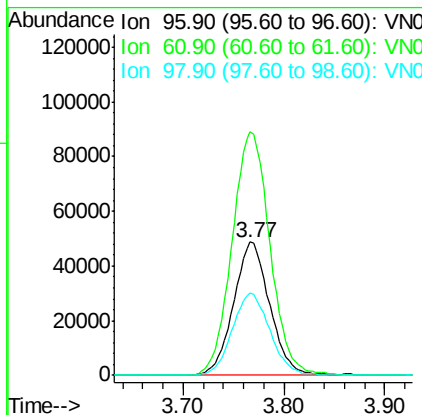
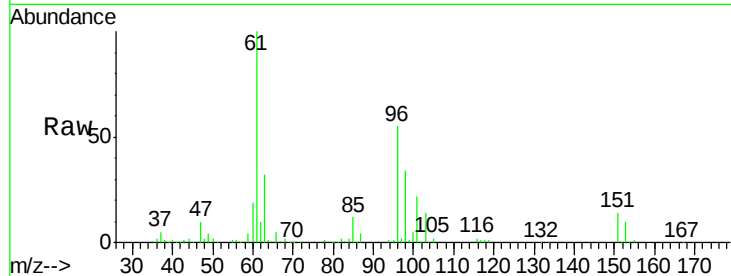
ClientSampleId :

VN0921WBSD01

Tot Ion:	96	Resp:	121403
Ion	Ratio	Lower	Upper
96	100		
61	182.5	143.8	215.8
98	61.7	50.3	75.5

Manual Integrations
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#14

Acrolein

Concen: 82.70 ug/l

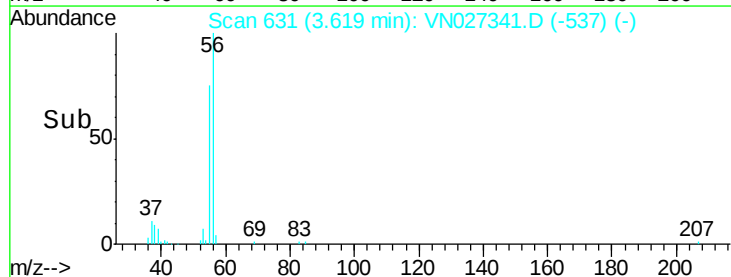
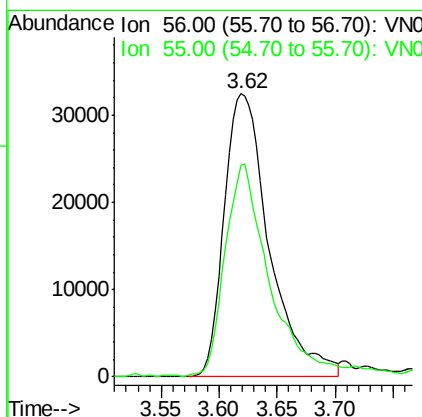
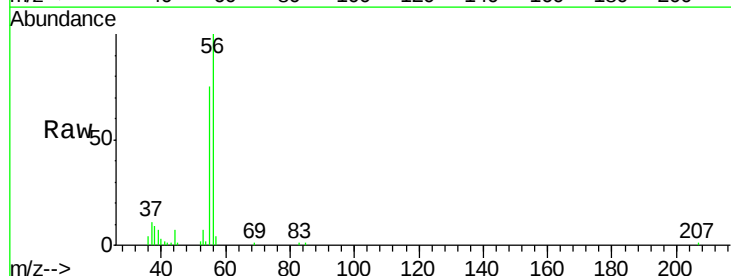
RT: 3.62 min Scan# 631

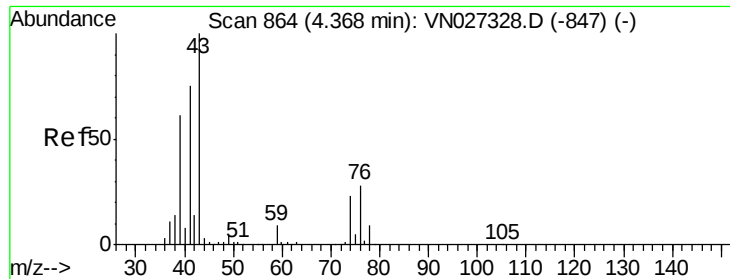
Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Tgt Ion:	56	Resp:	87609
Ion	Ratio	Lower	Upper
56	100		
55	73.8	55.7	83.5





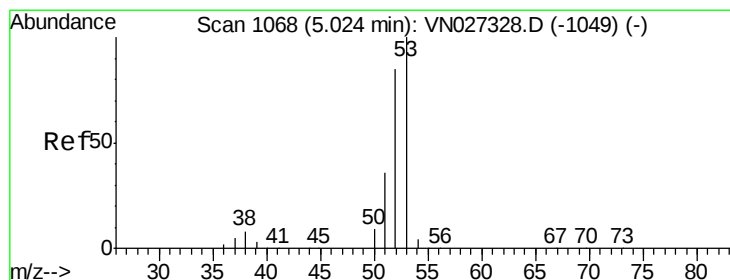
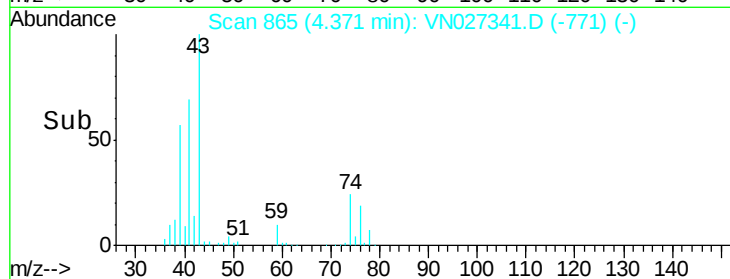
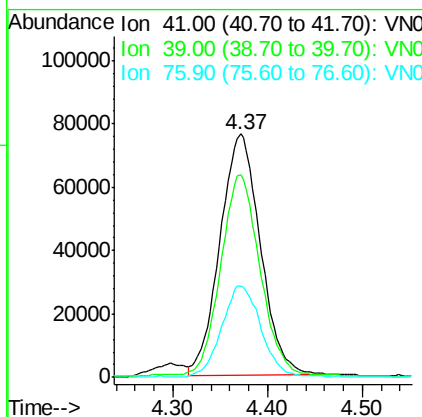
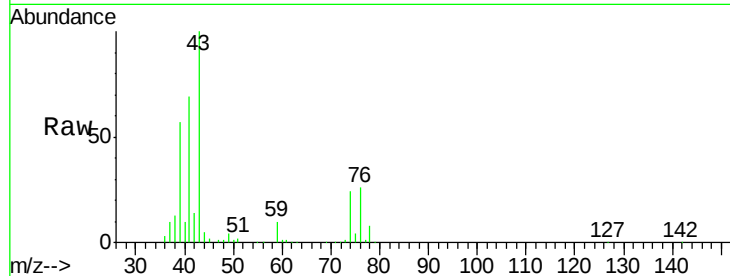
#15
Allvl chloride
Concen: 19.51 ug/l
RT: 4.37 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	79.2	49.7	74.5#
76	36.1	24.8	37.2

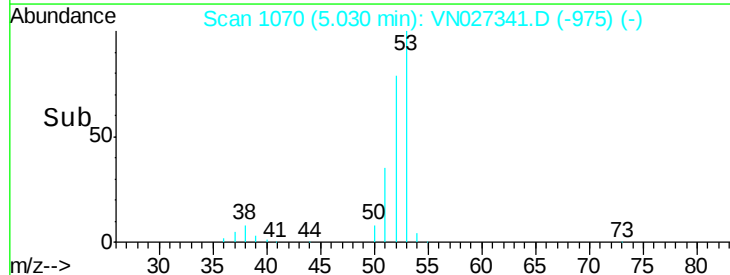
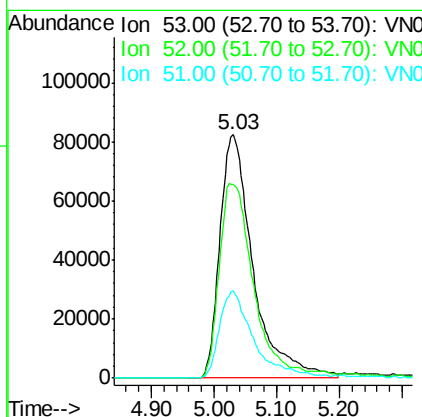
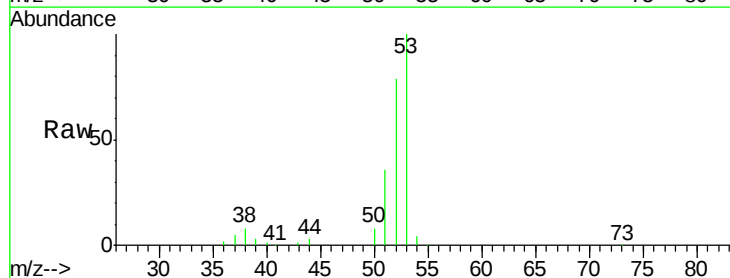
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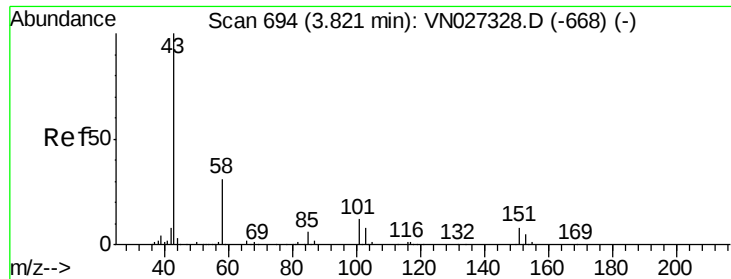
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#16
Acrylonitrile
Concen: 102.31 ug/l
RT: 5.03 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Tgt Ion	Ratio	Lower	Upper
53	100		
52	80.2	66.9	100.3
51	34.8	27.4	41.0





#17

Acetone

Concen: 98.78 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

Tot Ion: 43 Resp: 275256

Ion Ratio Lower Upper

43 100

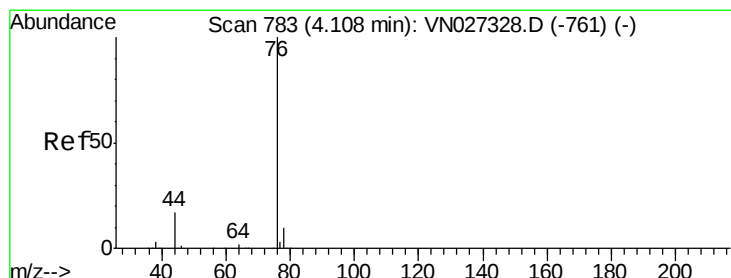
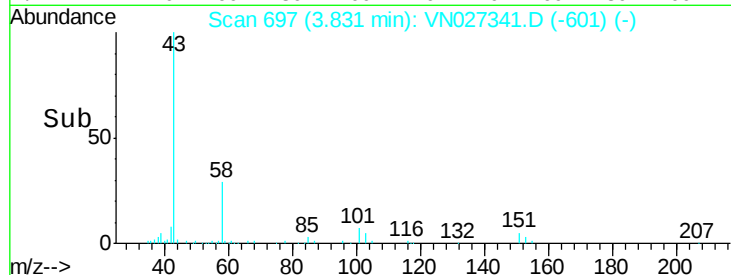
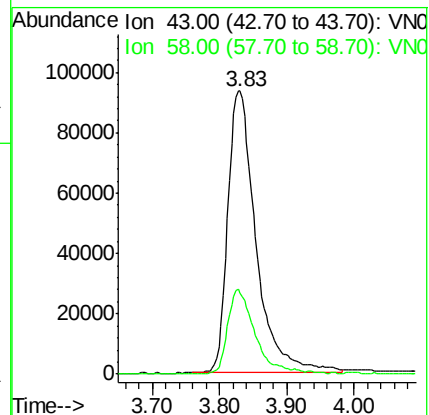
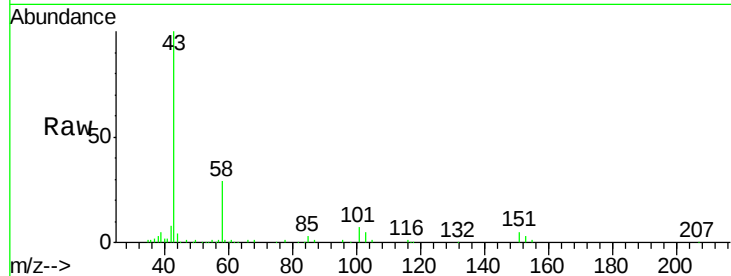
58 28.8 25.4 38.0

Manual Integrations

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#18

Carbon Disulfide

Concen: 19.23 ug/l

RT: 4.11 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN027341.D

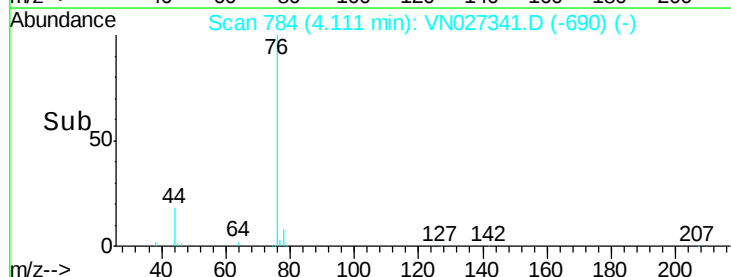
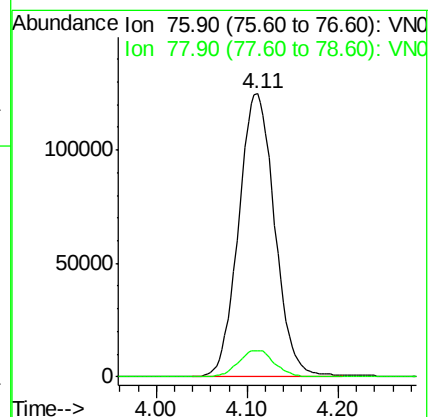
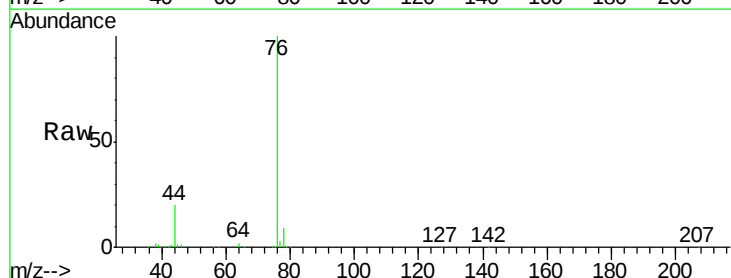
Acq: 21 Sep 2015 20:04

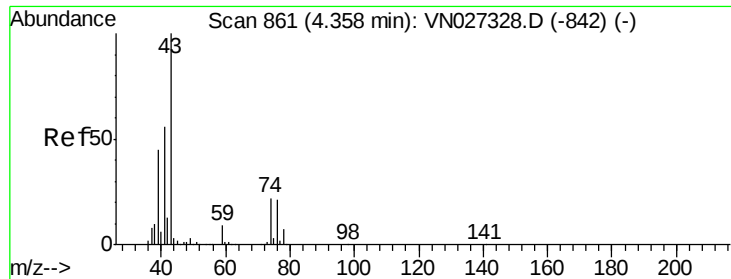
Tgt Ion: 76 Resp: 343934

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7





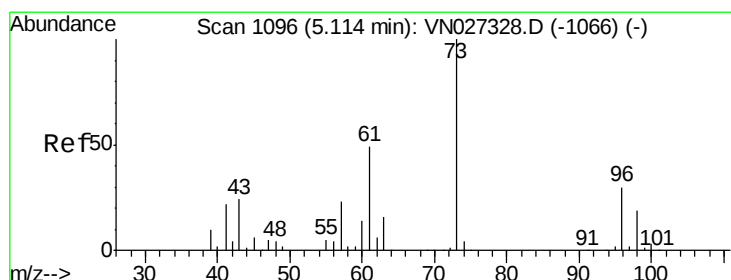
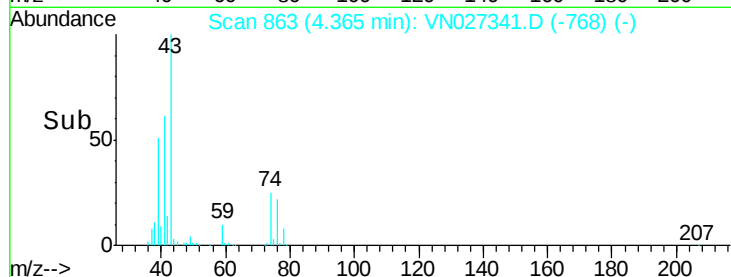
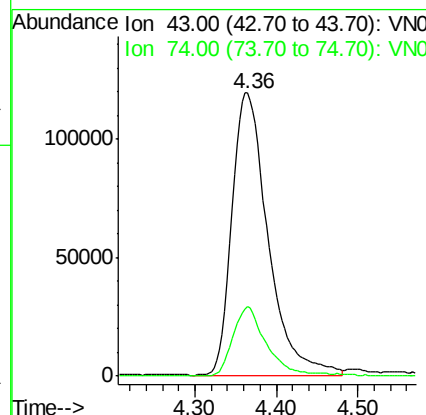
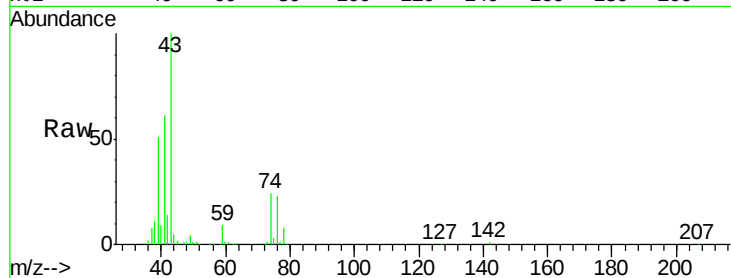
#19
Methyl Acetate
Concen: 21.35 ug/l
RT: 4.36 min Scan# 863
Delta R.T. 0.01 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tot Ion: 43 Resp: 369096
Ion Ratio Lower Upper
43 100
74 22.5 16.2 24.2

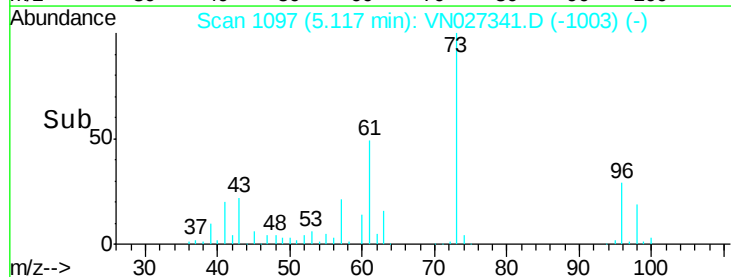
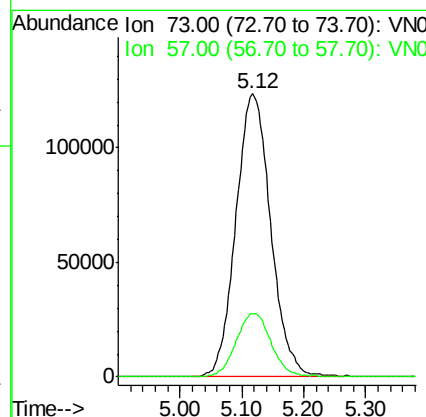
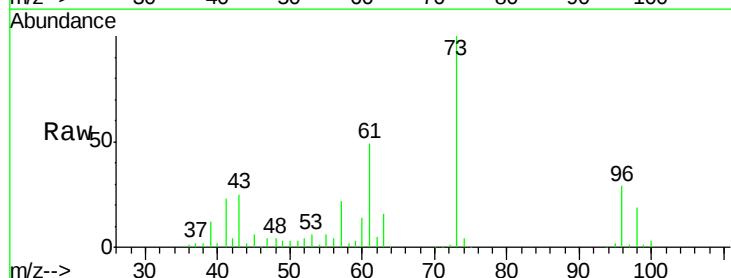
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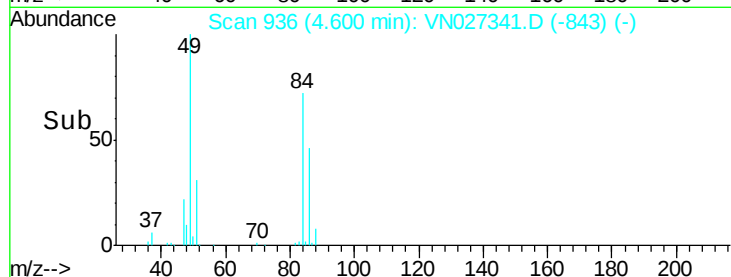
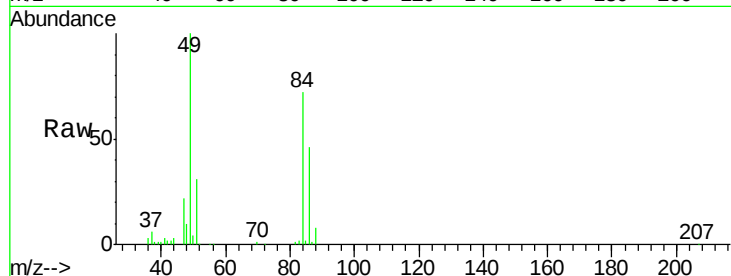
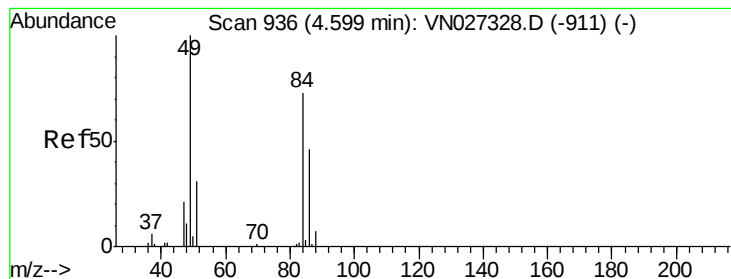
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#20
Methyl tert-butyl Ether
Concen: 20.26 ug/l
RT: 5.12 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Tgt Ion: 73 Resp: 483260
Ion Ratio Lower Upper
73 100
57 22.4 19.8 29.6





#21

Methylene Chloride

Concen: 19.92 ug/l

RT: 4.60 min Scan# 936

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Tot Ion:	84	Resp:	147787
Ion	Ratio	Lower	Upper
84	100		
49	138.6	112.3	168.5
51	42.5	33.8	50.8
86	63.8	48.2	72.4

Instrument :

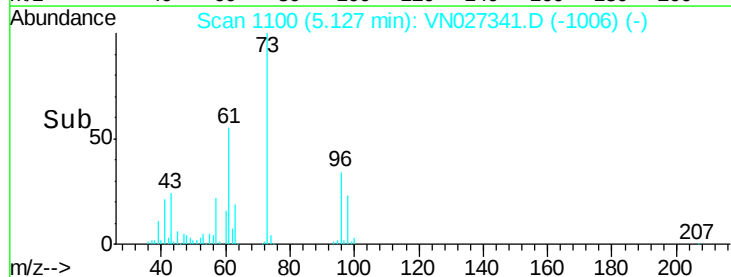
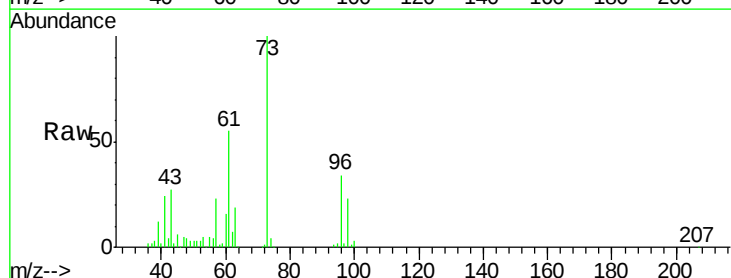
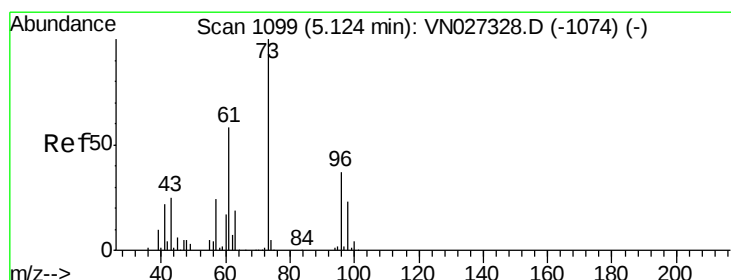
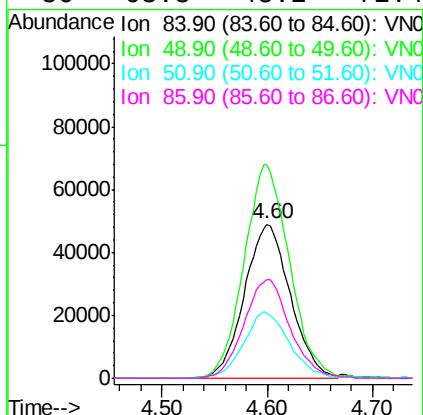
MSVOA_N

ClientSampleId :

VN0921WBSD01

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#22

trans-1,2-Dichloroethene

Concen: 19.44 ug/l

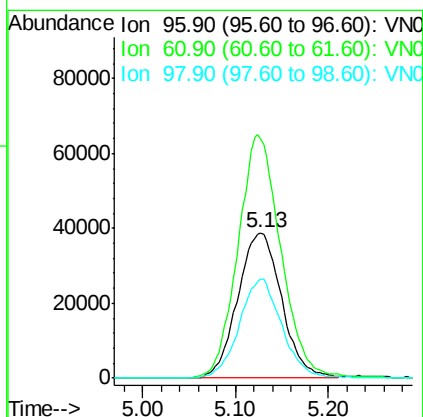
RT: 5.13 min Scan# 1100

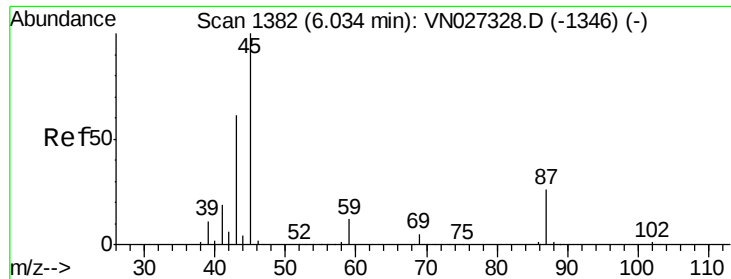
Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Tgt Ion:	96	Resp:	127693
Ion	Ratio	Lower	Upper
96	100		
61	164.7	126.6	189.8
98	68.0	47.4	71.2





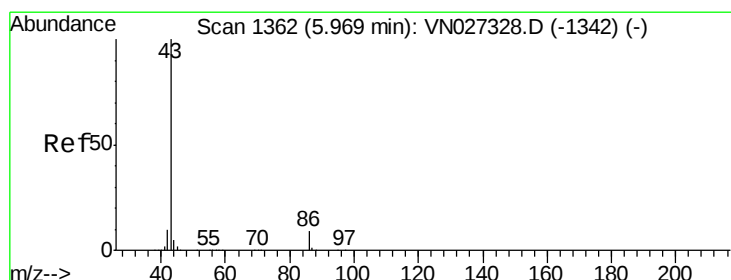
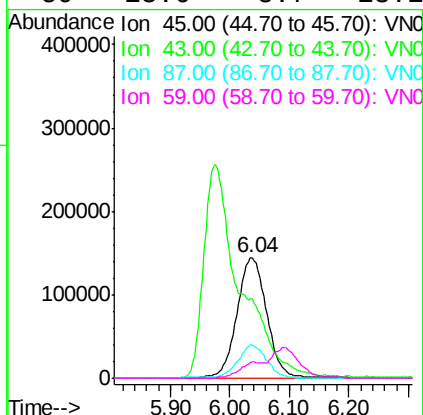
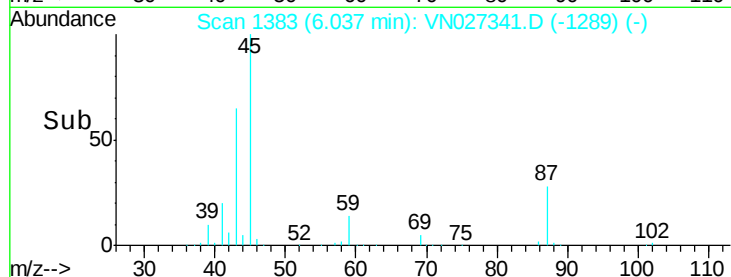
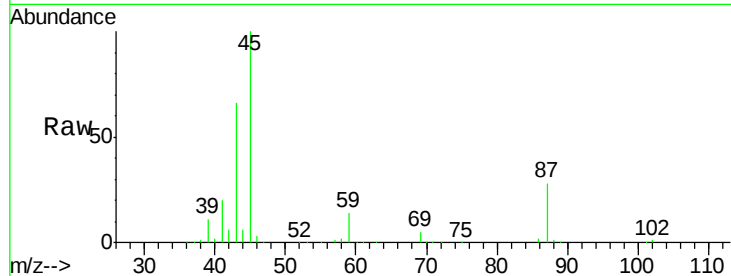
#23
Diisopropyl ether
Concen: 19.98 ug/l
RT: 6.04 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tot Ion	Ratio	Lower	Upper
45	100		
43	64.0	41.0	61.6#
87	27.8	17.5	26.3#
59	13.6	8.7	13.1#

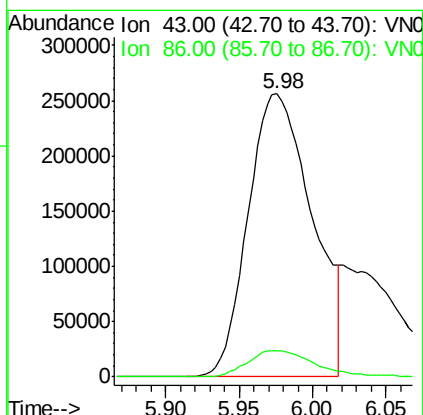
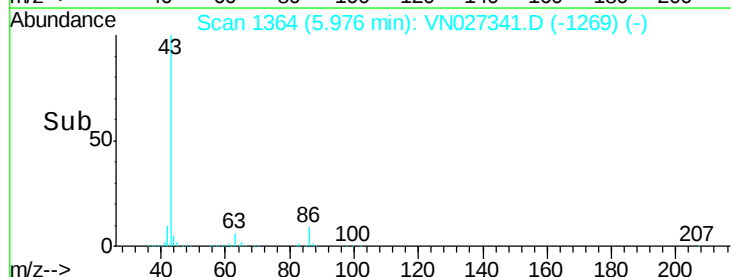
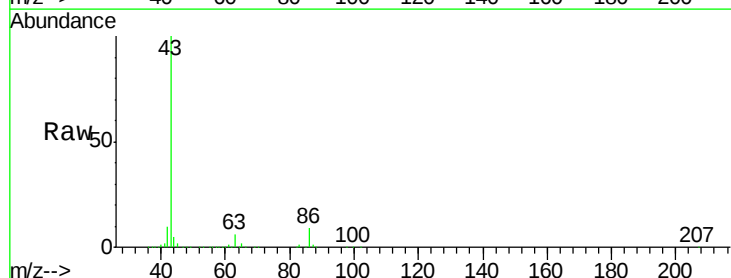
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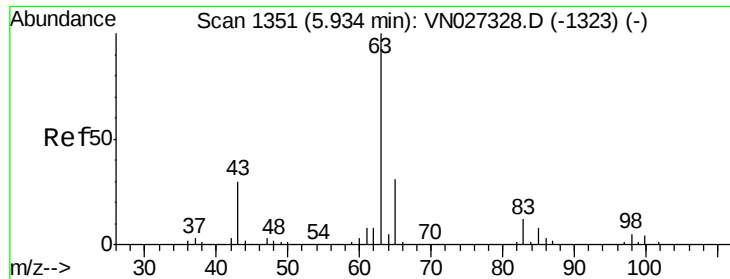
MMDadoda
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#24
Vinyl Acetate
Concen: 97.57 ug/l m
RT: 5.98 min Scan# 1364
Delta R.T. 0.01 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.3	6.9	10.3





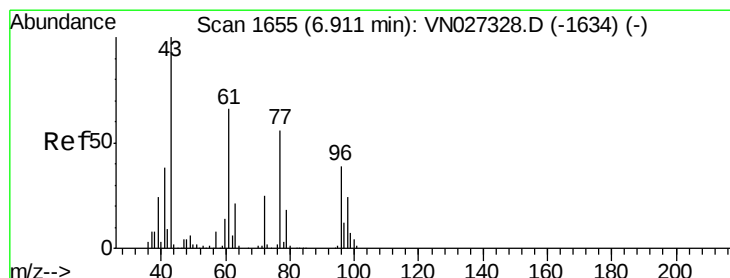
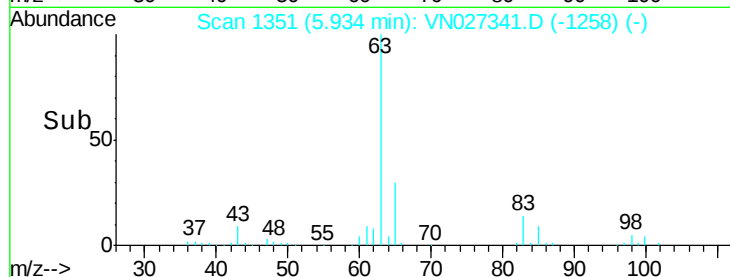
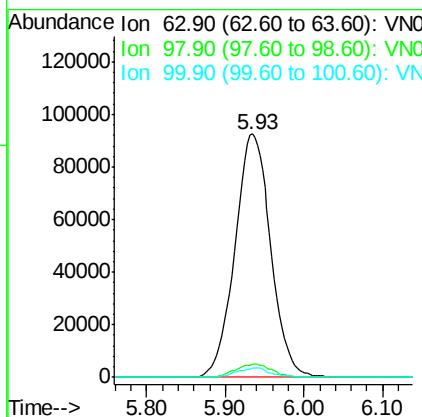
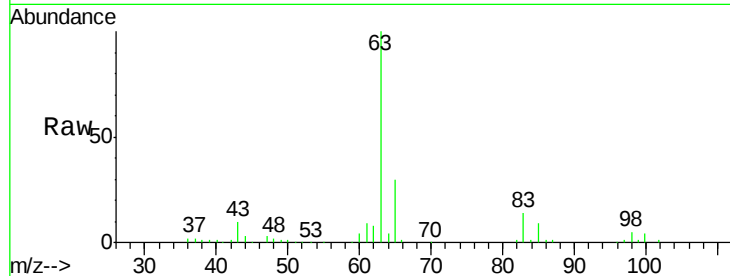
#25
 1,1-Dichloroethane
 Concen: 19.96 ug/l
 RT: 5.93 min Scan# 1351
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	294832		
98	5.2		2.8	8.3
100	3.7		1.7	5.0

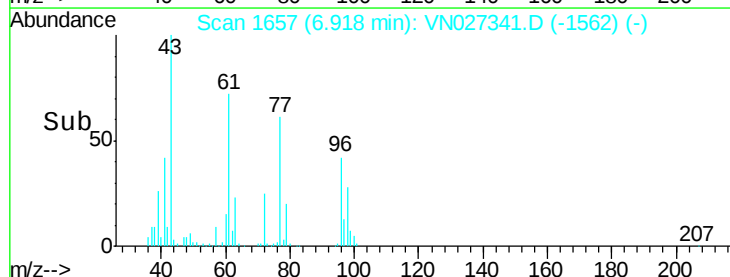
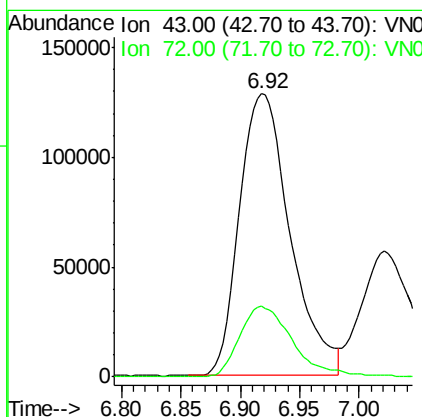
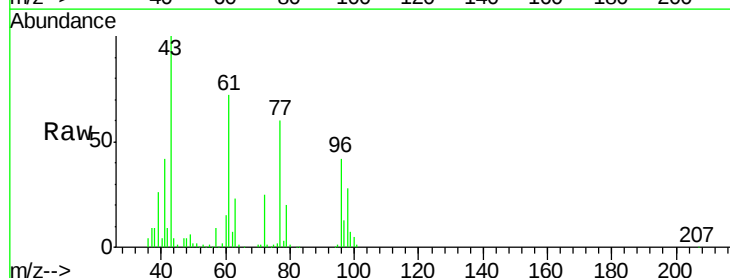
Manual Integrations
 APPROVED

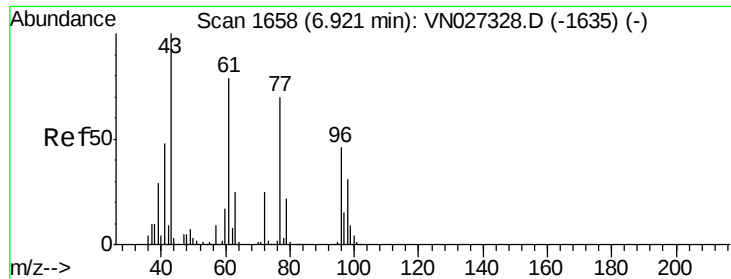
MMDadoda
 9/22/2015 2:28:37 PM



#26
 2-Butanone
 Concen: 104.15 ug/l
 RT: 6.92 min Scan# 1657
 Delta R.T. 0.01 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	380062		
72	25.0		18.8	28.2





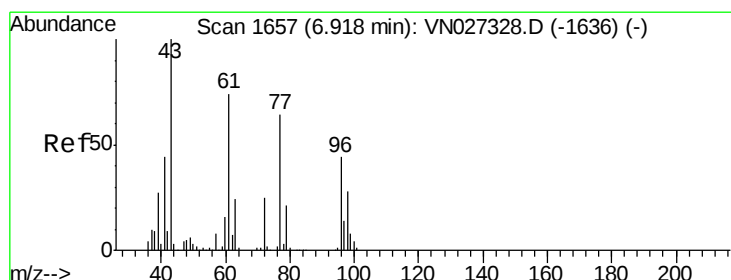
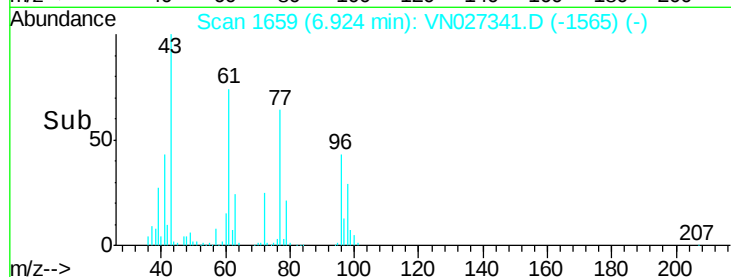
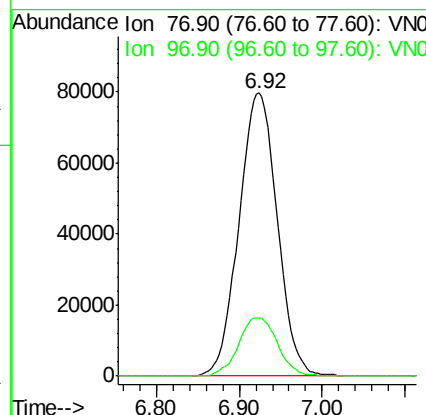
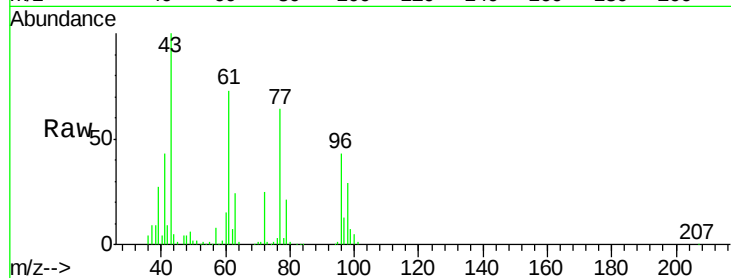
#27
 2,2-Dichloropropane
 Concen: 20.08 ug/l
 RT: 6.92 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tot Ion: 77 Resp: 255569
 Ion Ratio Lower Upper
 77 100
 97 20.9 11.8 35.3

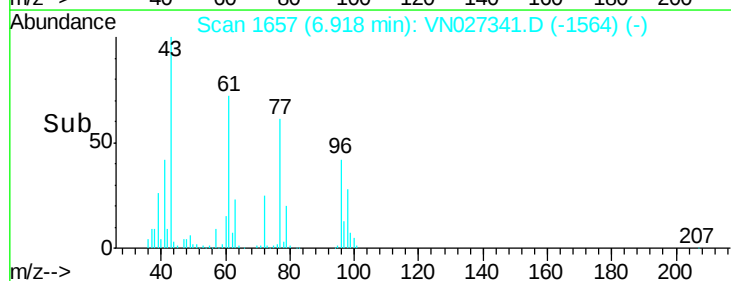
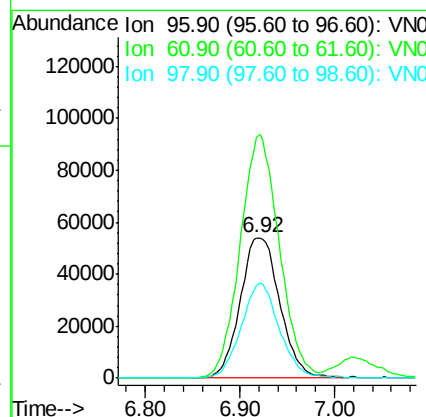
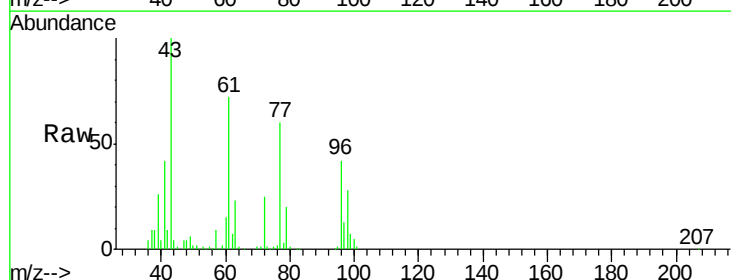
Manual Integrations
 APPROVED

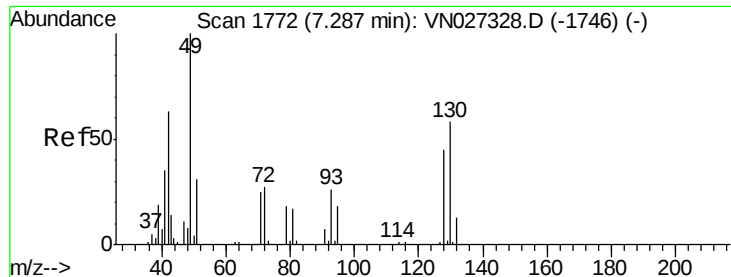
MMDadoda
 9/22/2015 2:28:37 PM



#28
 cis-1,2-Dichloroethene
 Concen: 20.27 ug/l
 RT: 6.92 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Tgt Ion: 96 Resp: 157310
 Ion Ratio Lower Upper
 96 100
 61 170.7 0.0 329.2
 98 65.0 0.0 126.0





#29

Bromochloromethane

Concen: 22.08 ug/l

RT: 7.29 min Scan# 1772

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

Tot Ion: 49 Resp: 127936

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.2

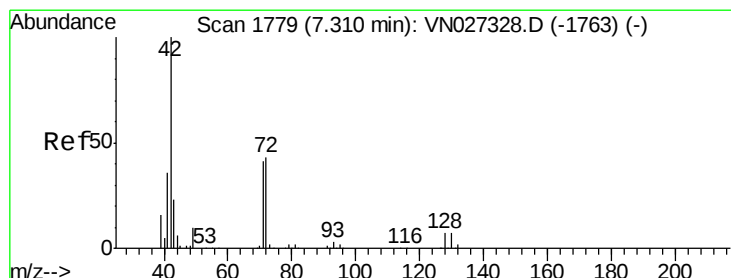
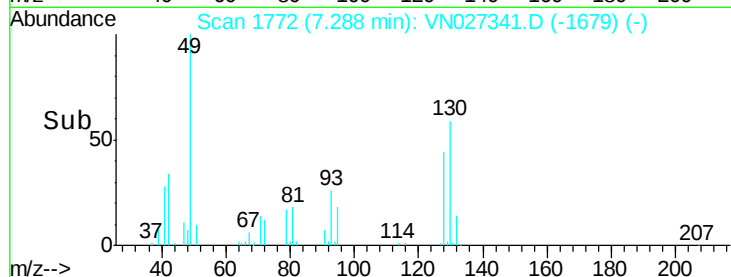
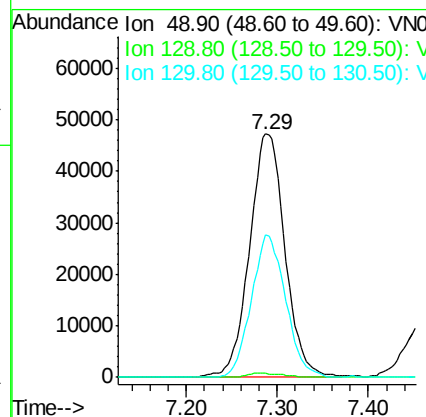
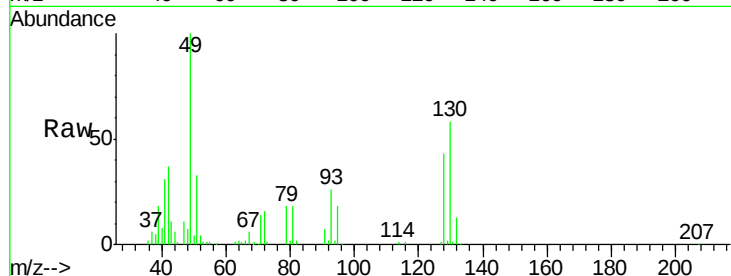
130 56.5 43.2 64.8

Manual Integrations

APPROVED

MMDadoda

9/22/2015 2:28:37 PM



#30

Tetrahydrofuran

Concen: 105.67 ug/l

RT: 7.32 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

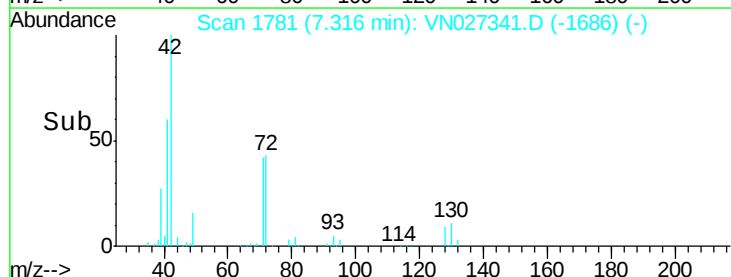
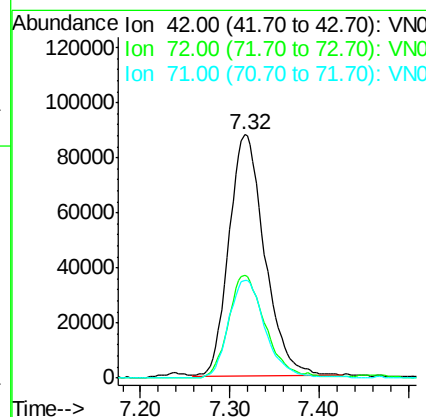
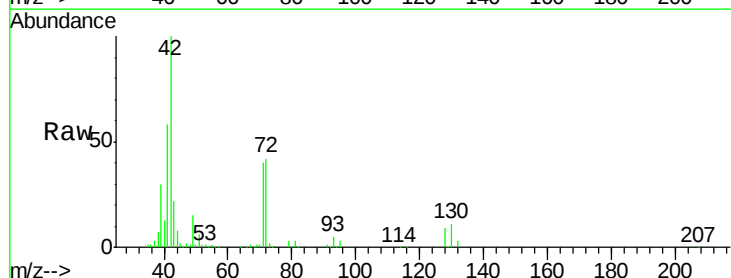
Tgt Ion: 42 Resp: 244427

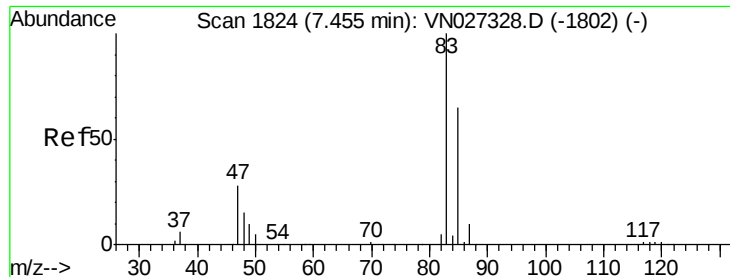
Ion Ratio Lower Upper

42 100

72 44.1 29.9 44.9

71 41.5 28.3 42.5





#31

Chloroform

Concen: 20.49 ug/l

RT: 7.46 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

Tot Ion: 83 Resp: 284282

Ion Ratio Lower Upper

83 100

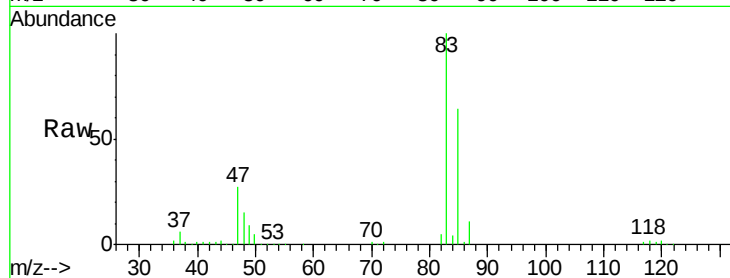
85 64.0 51.1 76.7

Manual Integrations

APPROVED

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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

7.46

120000

100000

80000

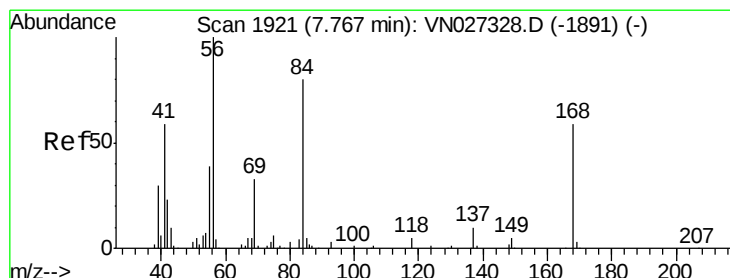
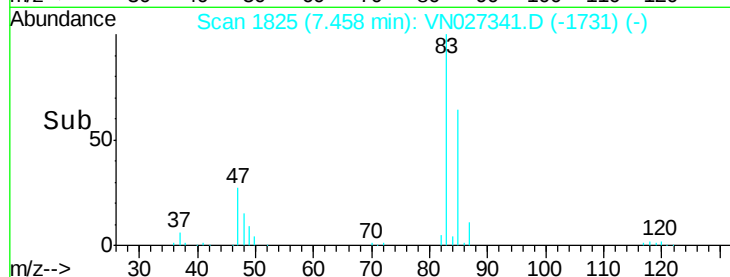
60000

40000

20000

0

Time-->



#32

Cyclohexane

Concen: 20.16 ug/l

RT: 7.77 min Scan# 1921

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

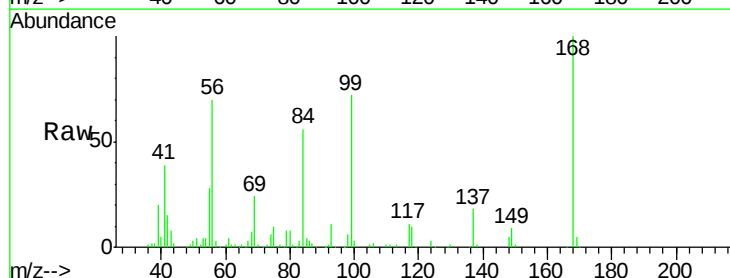
Tgt Ion: 56 Resp: 277087

Ion Ratio Lower Upper

56 100

69 34.8 23.0 34.4#

84 78.8 57.8 86.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

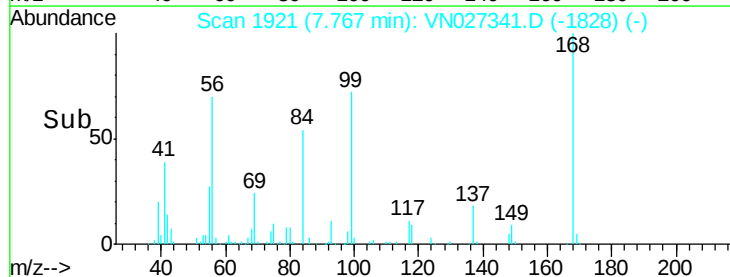
150000

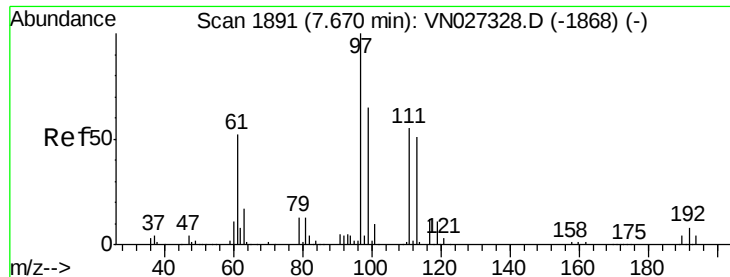
100000

50000

0

Time-->





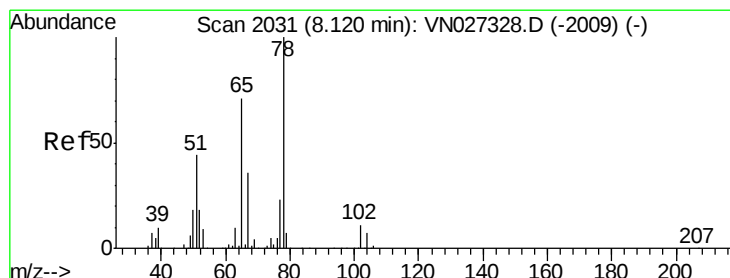
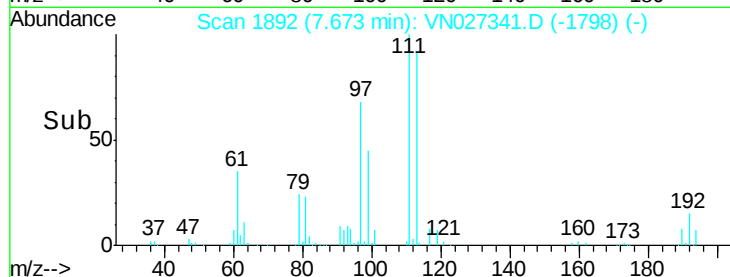
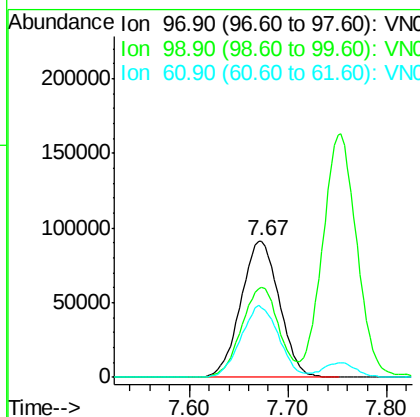
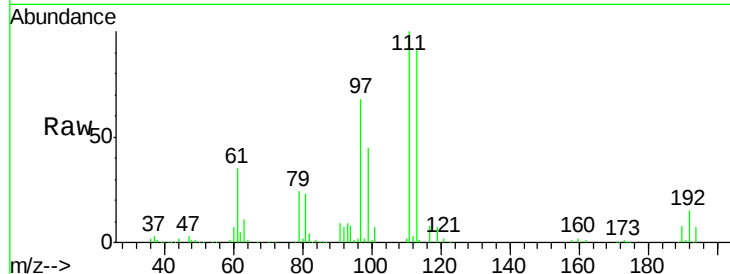
#33
 1,1,1-Trichloroethane
 Concen: 20.04 ug/l
 RT: 7.67 min Scan# 1892
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.1	75.1
61	51.6	44.0	66.0

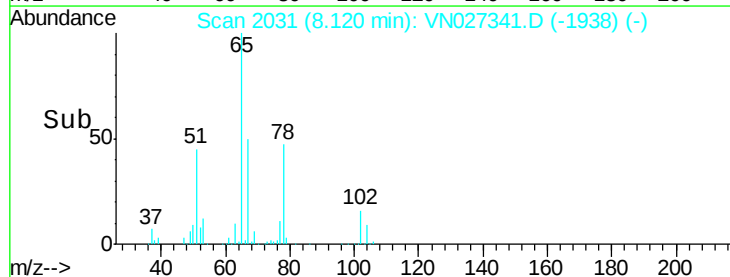
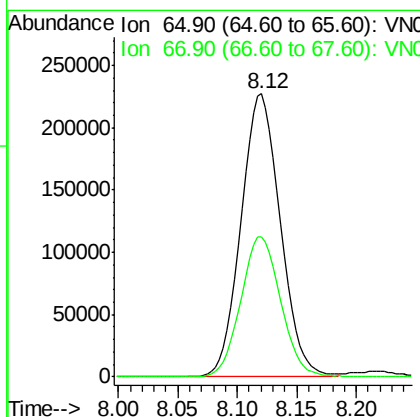
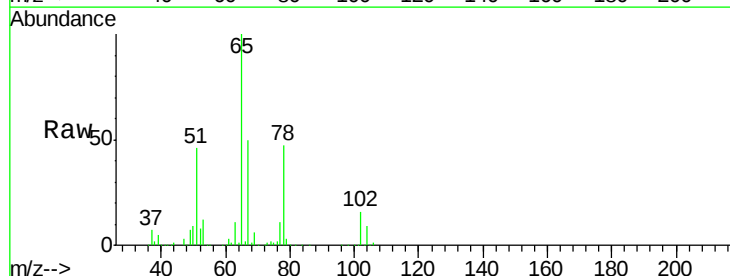
Manual Integrations
 APPROVED

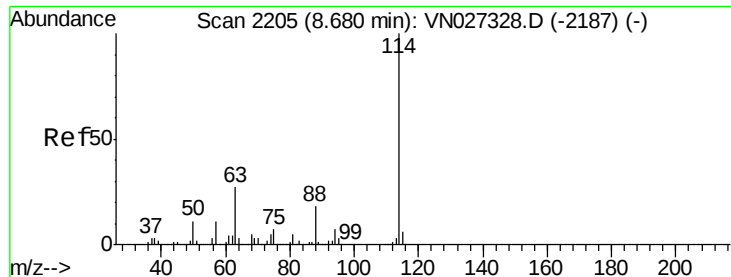
MMDadoda
 9/22/2015 2:28:37 PM



#34
 1,2-Dichloroethane-d4
 Concen: 50.81 ug/l
 RT: 8.12 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	110.6





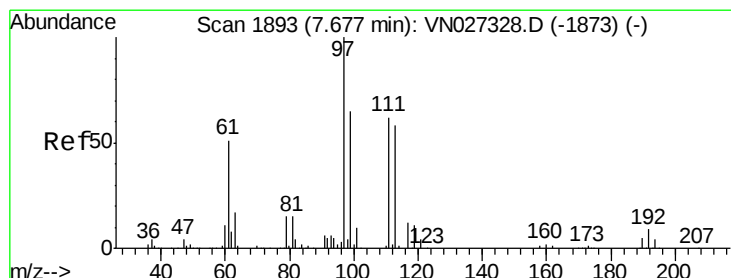
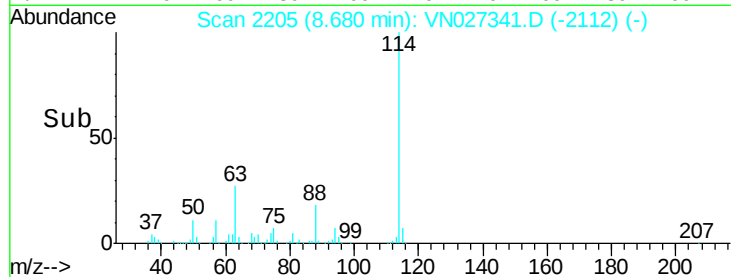
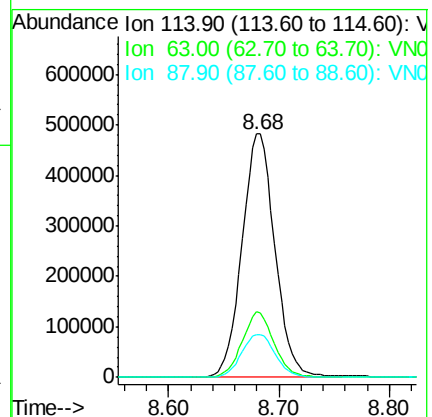
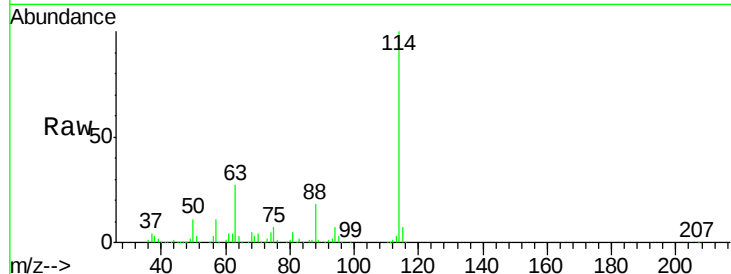
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
114	100	997397		
63	26.8	0.0	48.8	
88	17.7	0.0	32.2	

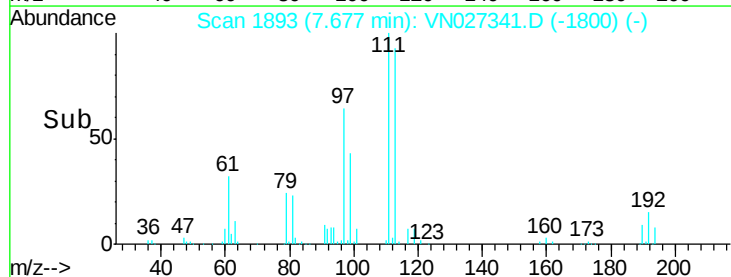
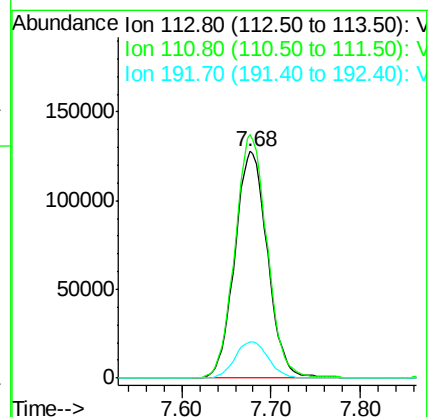
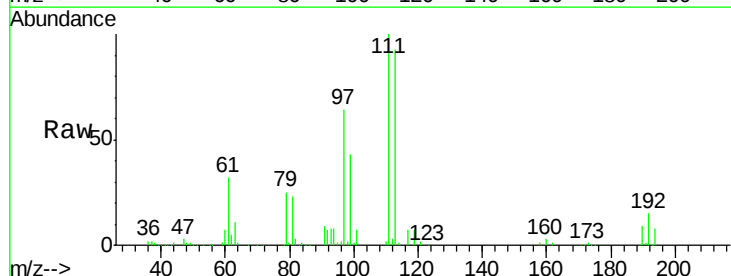
Manual Integrations
 APPROVED

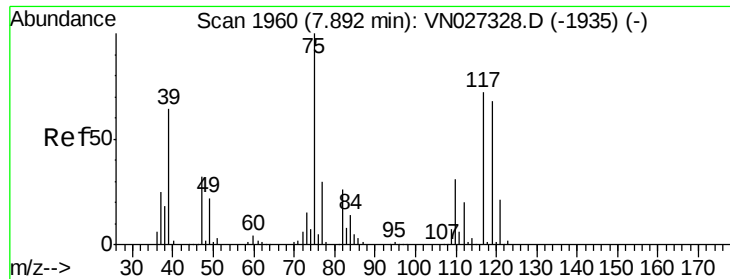
MMDadoda
 9/22/2015 2:28:37 PM



#36
 Dibromofluoromethane
 Concen: 49.92 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	324901		
111	105.2	83.0	124.4	
192	16.3	14.1	21.1	





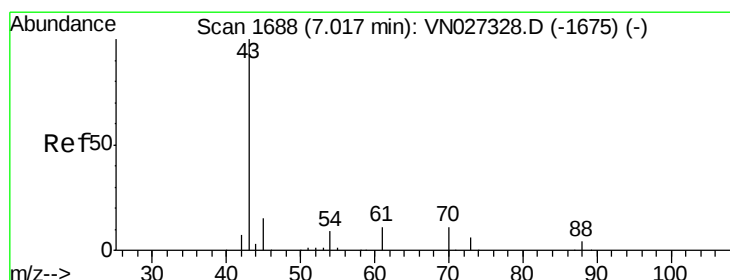
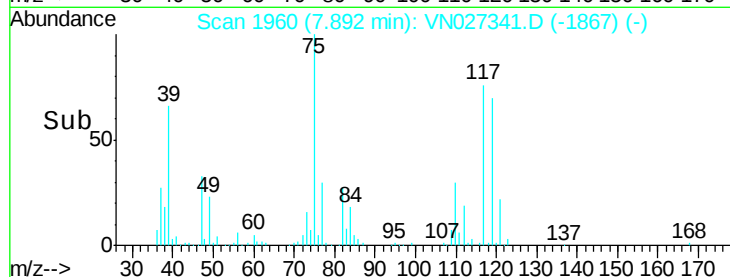
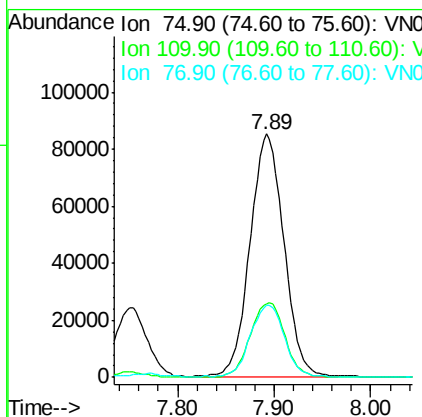
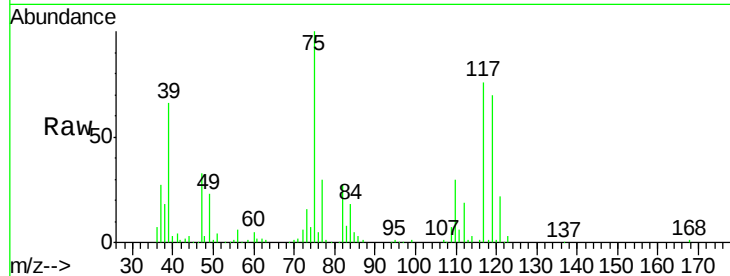
#37
 1,1-Dichloropropene
 Concen: 19.28 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	31.4	15.9	47.7
77	29.4	24.9	37.3

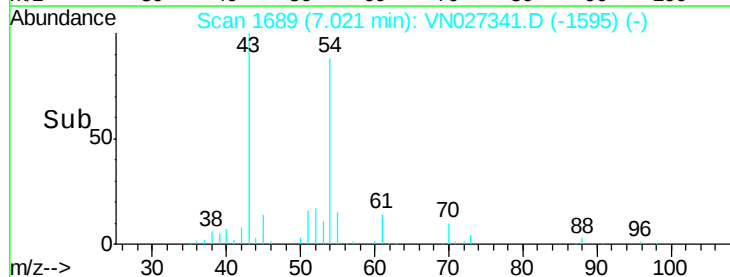
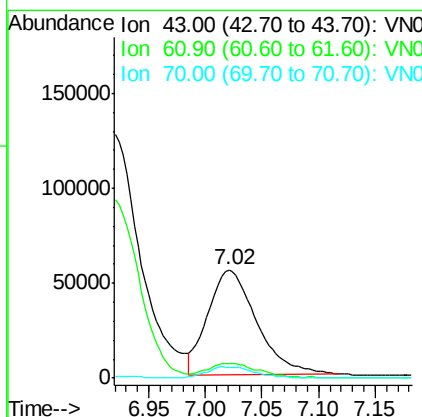
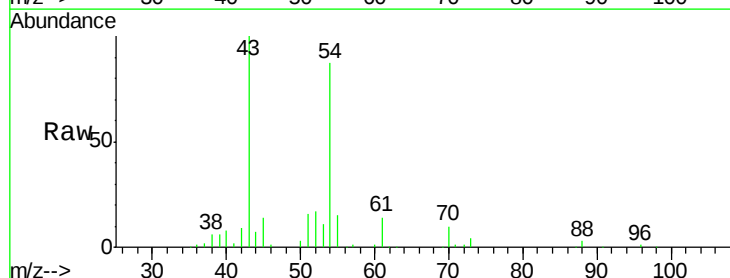
Manual Integrations
 APPROVED

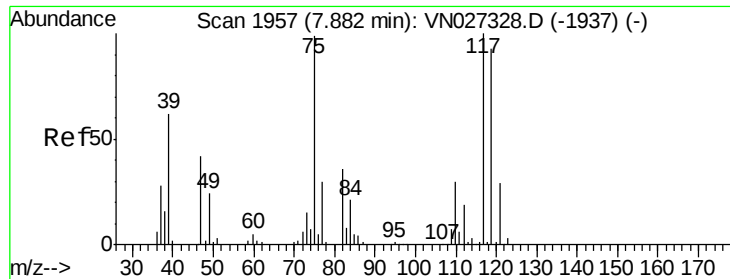
MMDadoda
 9/22/2015 2:28:37 PM



#38
 Ethyl Acetate
 Concen: 20.10 ug/l
 RT: 7.02 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.2	15.4
70	10.6	7.4	11.0





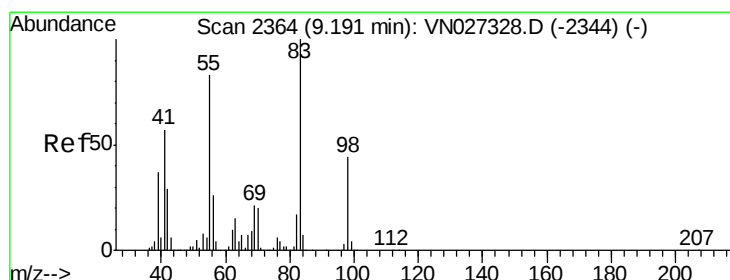
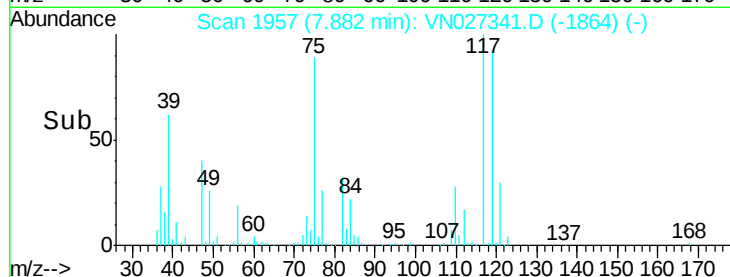
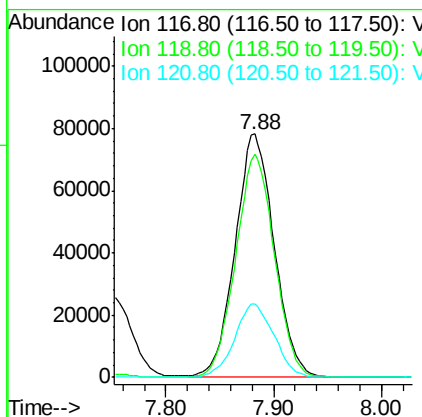
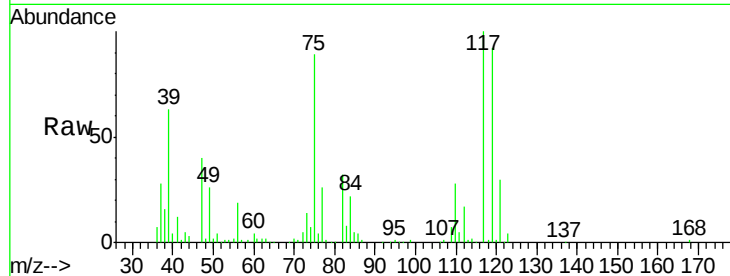
#39
Carbon Tetrachloride
Concen: 19.52 ug/l
RT: 7.88 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	91.6	75.3	112.9
121	30.4	23.8	35.8

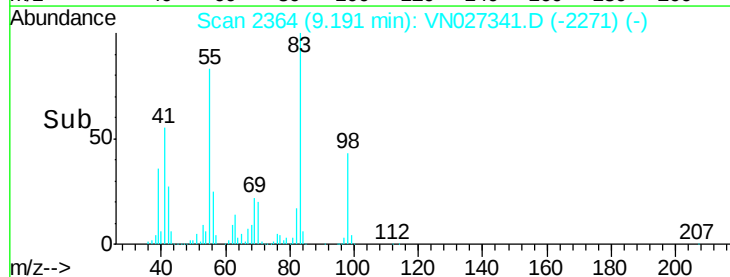
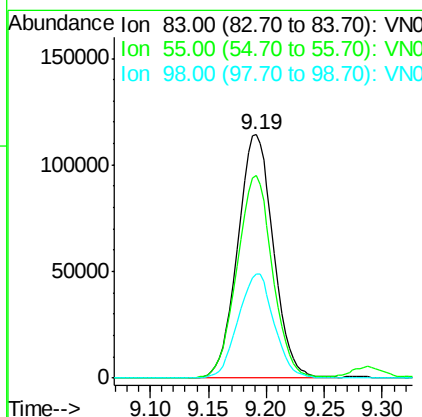
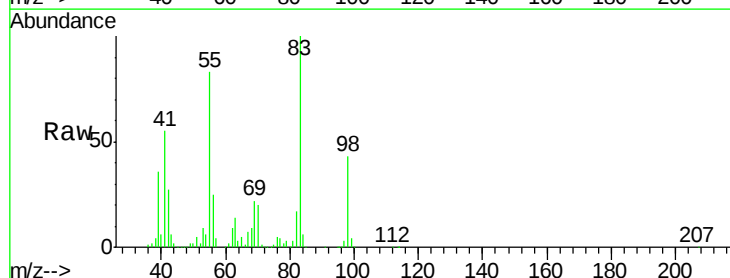
Manual Integrations
APPROVED

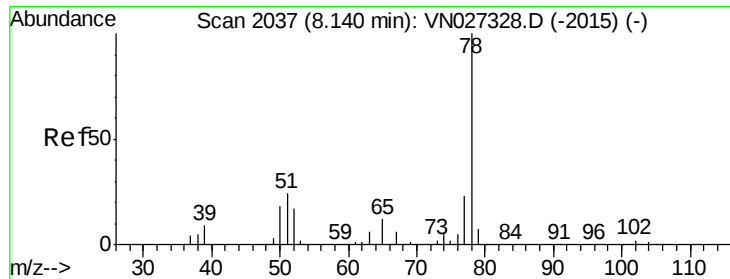
MMDadoda
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#40
Methylcyclohexane
Concen: 19.18 ug/l
RT: 9.19 min Scan# 2364
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.9	69.8	104.8
98	42.9	34.3	51.5





#41

Benzene

Concen: 19.69 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

Tot Ion: 78 Resp: 614165

Ion Ratio Lower Upper

78 100

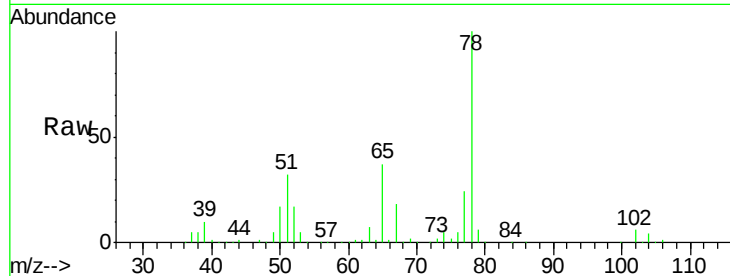
77 23.6 19.0 28.4

Manual Integrations

APPROVED

MMDadoda

9/22/2015 2:28:37 PM



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.14

250000

200000

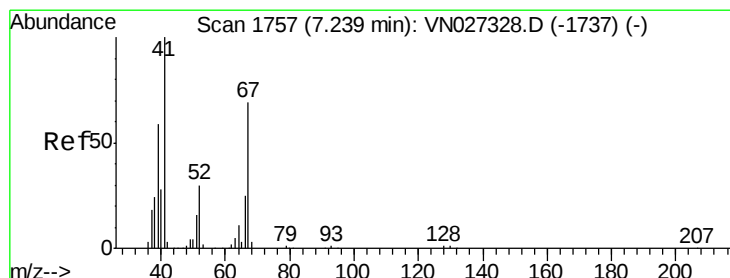
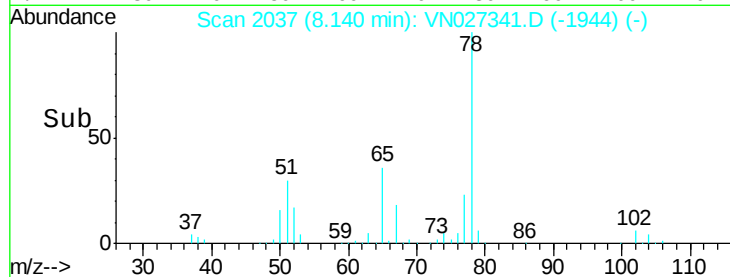
150000

100000

50000

0

Time-->



#42

Methacrylonitrile

Concen: 19.85 ug/l

RT: 7.24 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Tgt Ion: 41 Resp: 97250

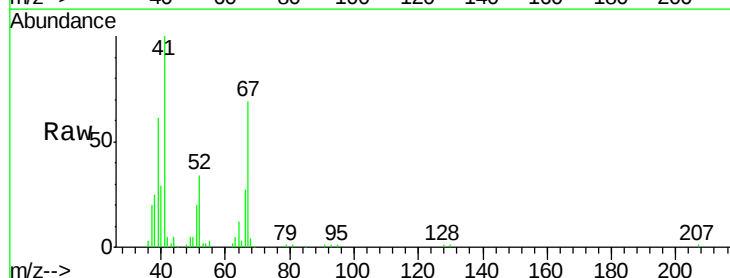
Ion Ratio Lower Upper

41 100

39 56.6 43.0 64.6

67 74.0 52.2 78.2

52 33.7 21.3 31.9#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

80000

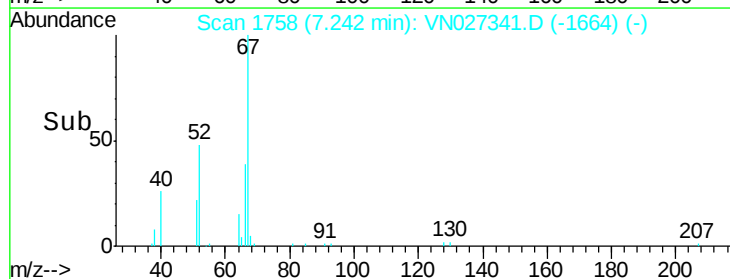
60000

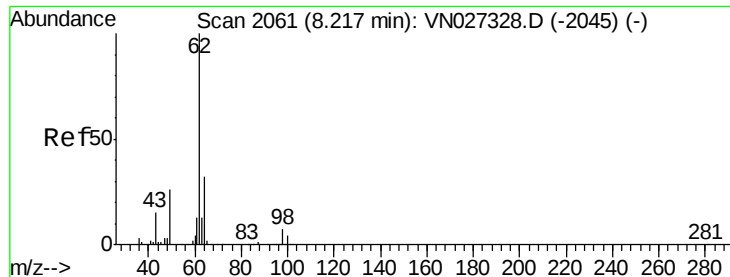
40000

20000

0

Time-->





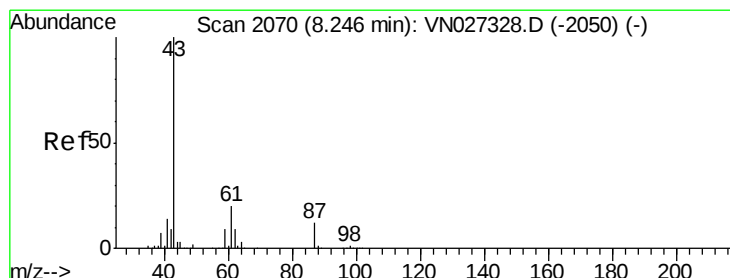
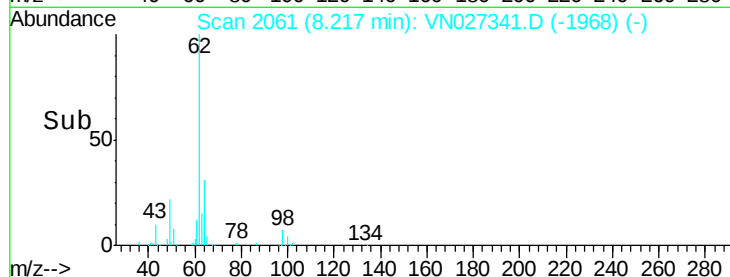
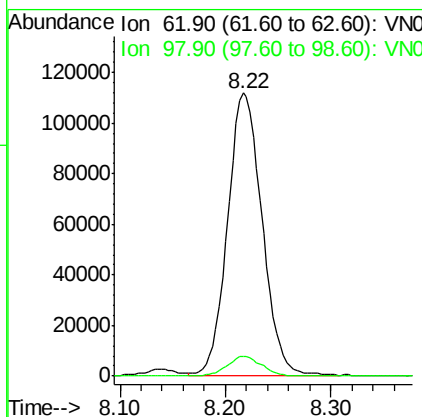
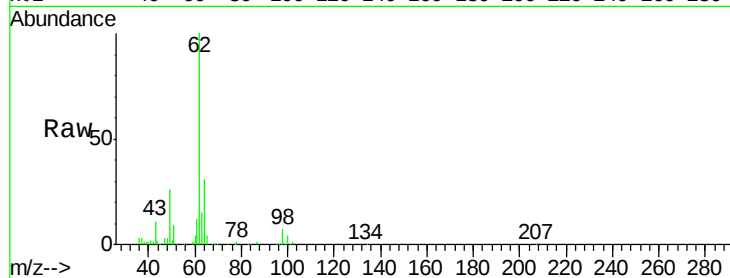
#43
 1,2-Dichloroethane
 Concen: 19.87 ug/l
 RT: 8.22 min Scan# 2061
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
62	100	252679		
98	7.0	0.0	18.0	

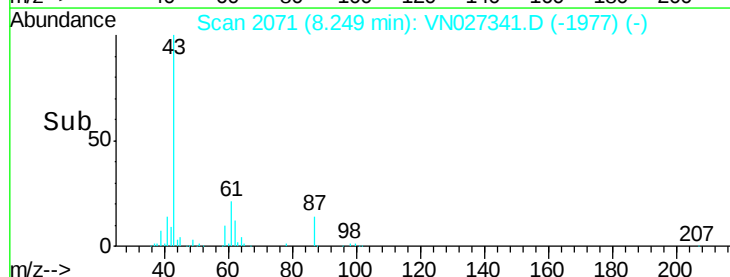
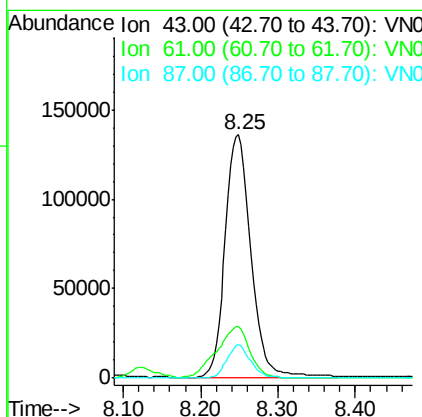
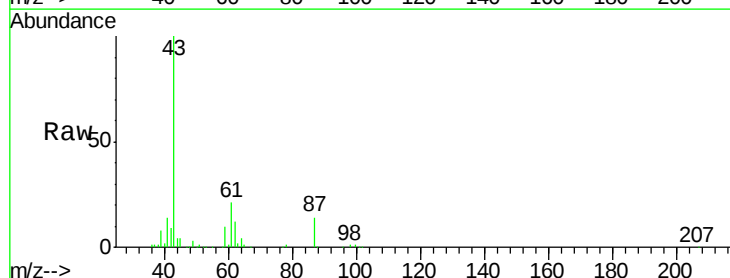
Manual Integrations
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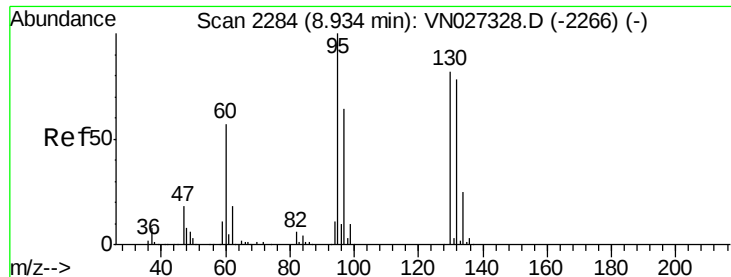
MMDadoda
 9/22/2015 2:28:37 PM



#44
 Isopropyl Acetate
 Concen: 19.76 ug/l
 RT: 8.25 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	313401		
61	27.1	20.6	31.0	
87	12.5	8.6	13.0	





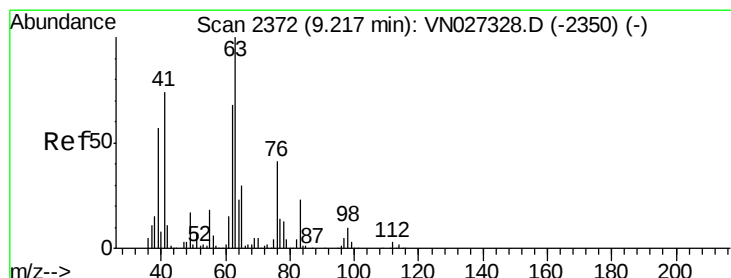
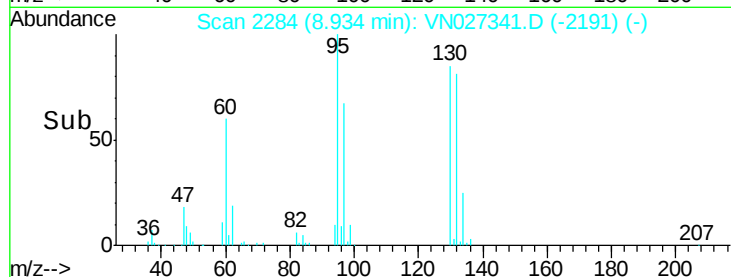
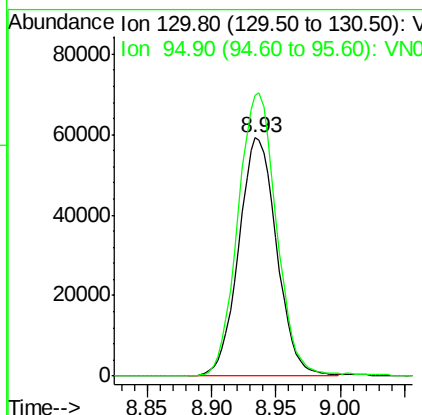
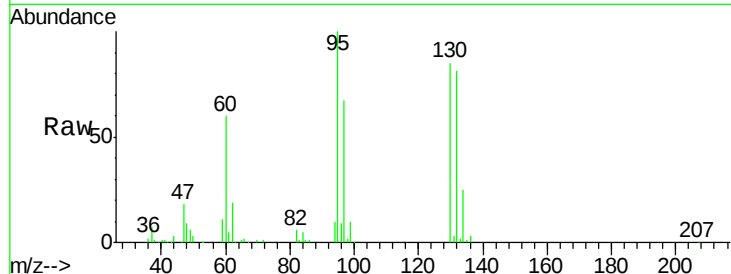
#45
 Trichloroethene
 Concen: 19.44 ug/l
 RT: 8.93 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
130	100	121498		
95	117.9	0.0	222.2	

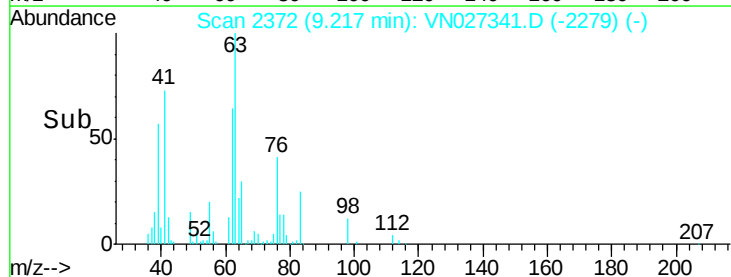
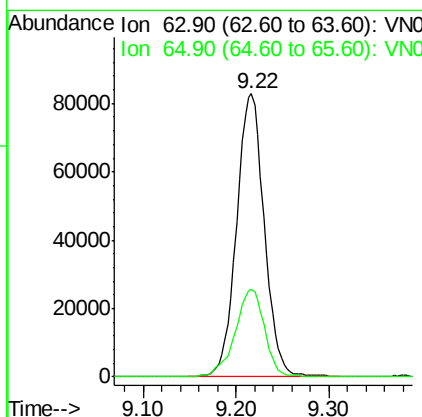
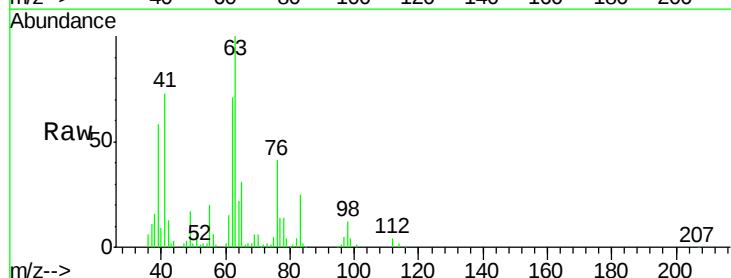
Manual Integrations
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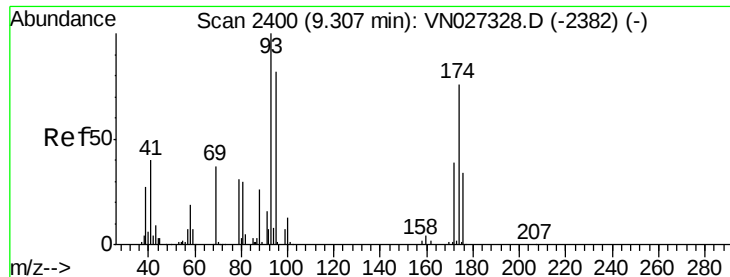
MMDadoda
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#46
 1,2-Dichloropropane
 Concen: 19.71 ug/l
 RT: 9.22 min Scan# 2372
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	172099		
65	31.0	24.4	36.6	





#47

Dibromomethane

Concen: 19.39 ug/l

RT: 9.31 min Scan# 2400

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Tot Ion:	93	Resp:	101627
Ion	Ratio	Lower	Upper
93	100		
95	82.0	66.3	99.5
174	75.2	67.8	101.6

Instrument :

MSVOA_N

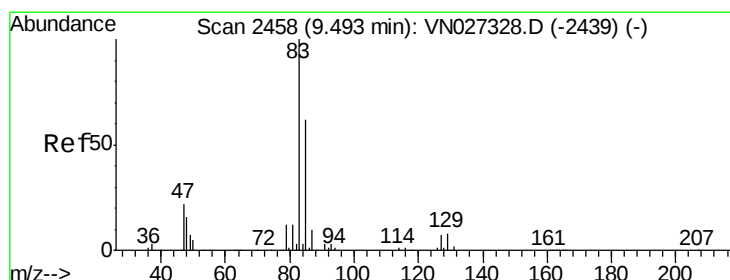
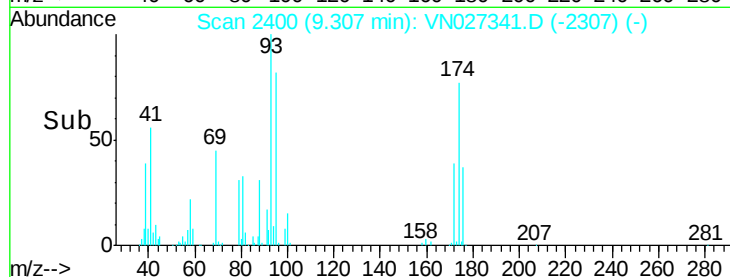
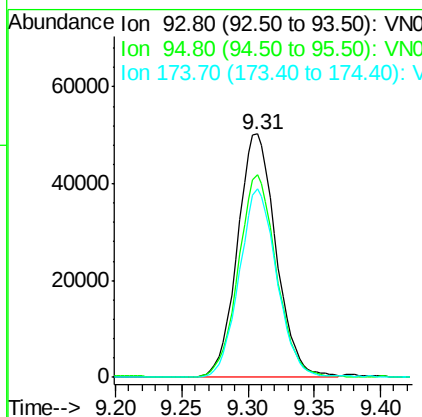
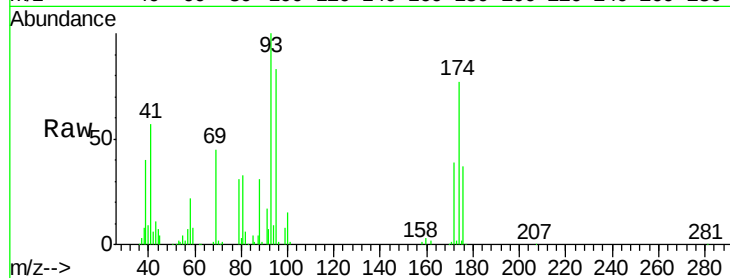
ClientSampleId :

VN0921WBSD01

Manual Integrations
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#48

Bromodichloromethane

Concen: 19.47 ug/l

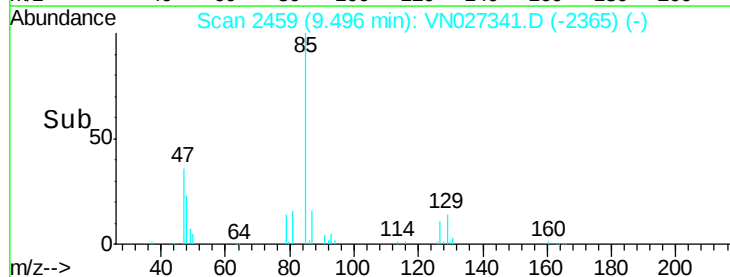
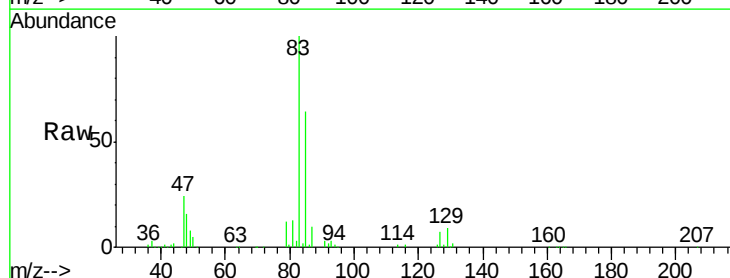
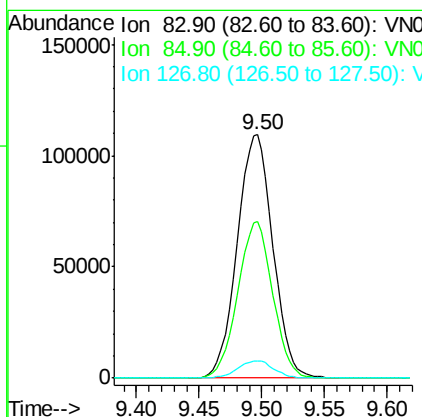
RT: 9.50 min Scan# 2459

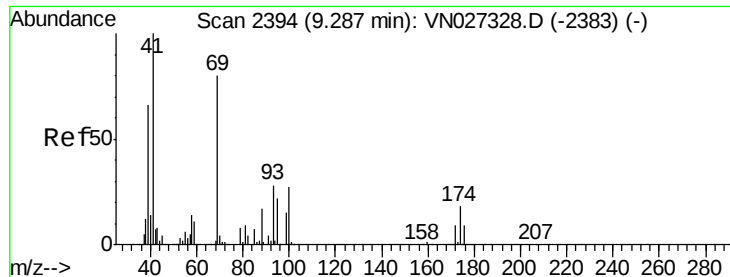
Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Tgt Ion:	83	Resp:	216366
Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.7	76.1
127	7.2	5.5	8.3





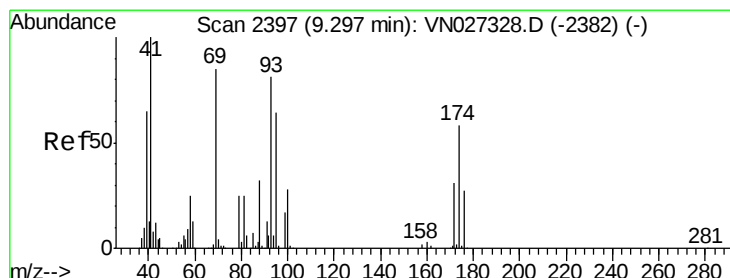
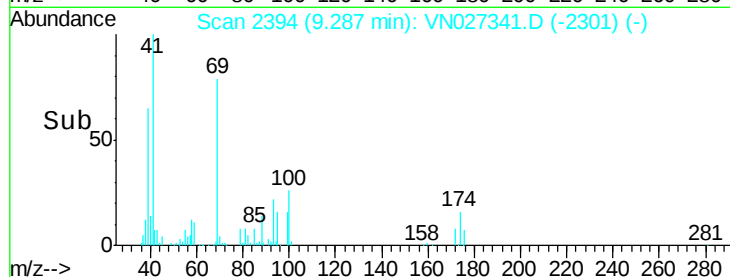
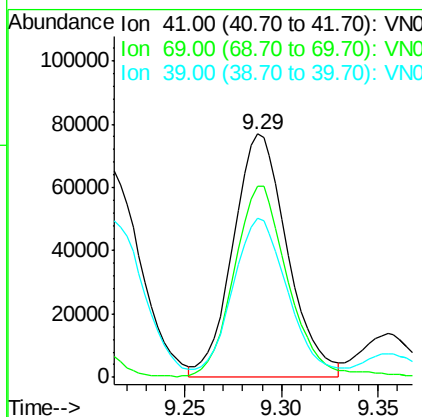
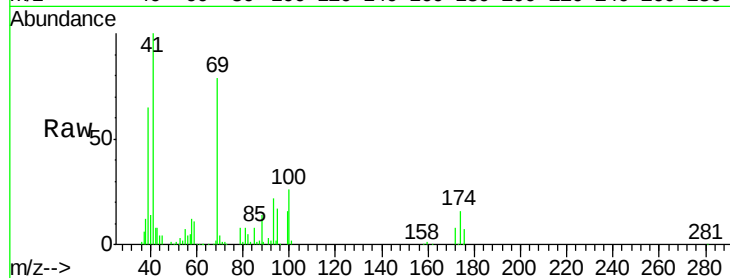
#49
Methvl methacrylate
Concen: 20.01 ug/l
RT: 9.29 min Scan# 2394
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
69	78.6	59.3	88.9
39	65.9	39.5	59.3#

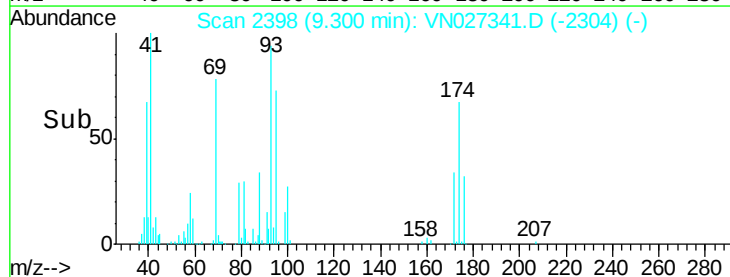
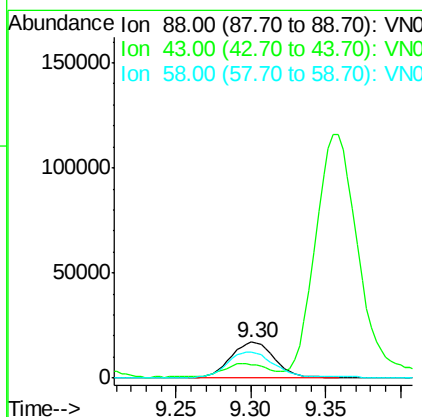
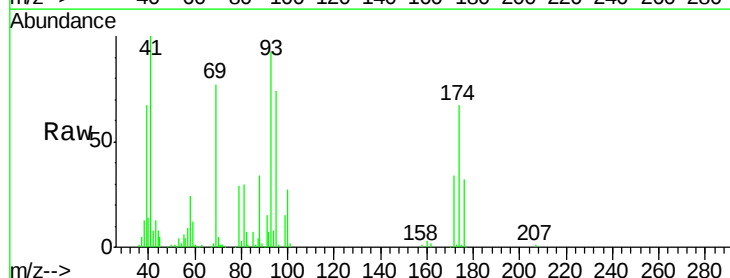
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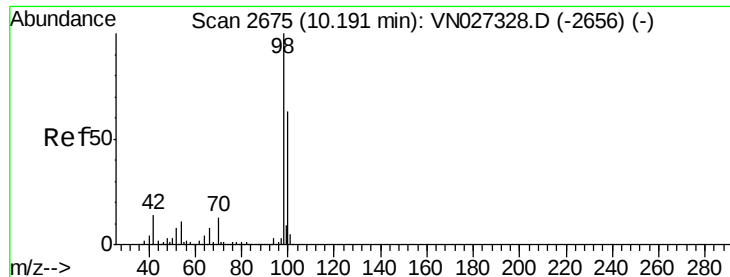
MMDadoda
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#50
1,4-Dioxane
Concen: 395.42 ug/l
RT: 9.30 min Scan# 2398
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Tgt Ion	Ratio	Lower	Upper
88	100		
43	36.1	27.6	41.4
58	77.5	63.1	94.7





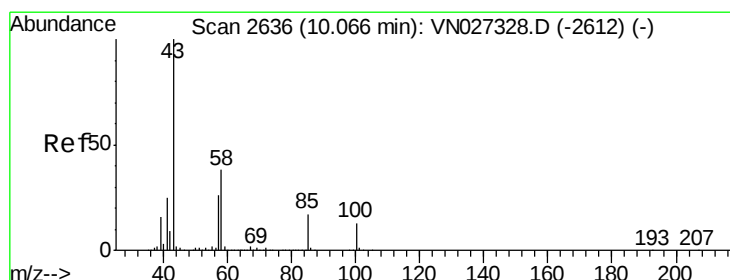
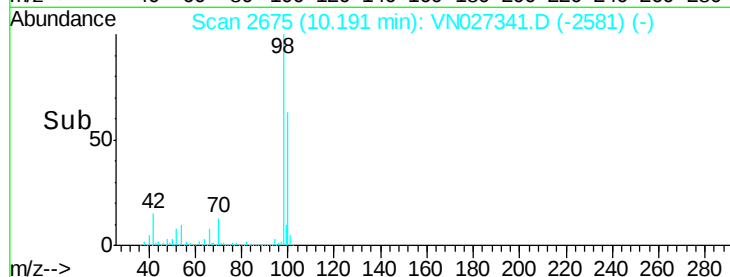
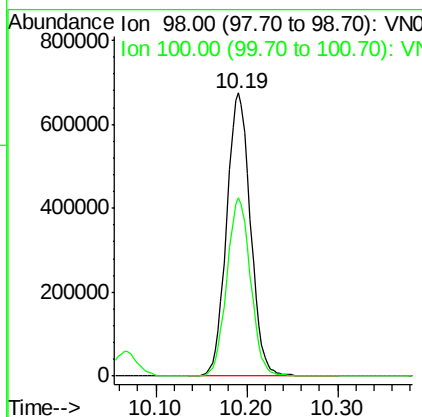
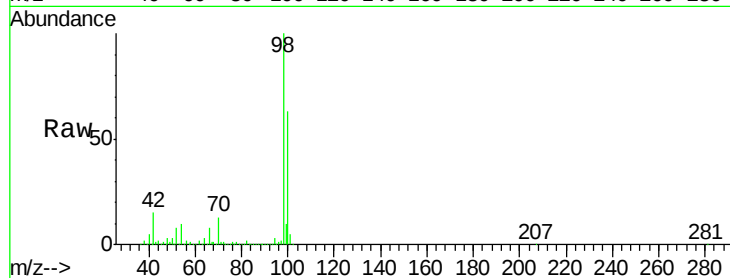
#51
Toluene-d8
Concen: 48.74 ug/l
RT: 10.19 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tot Ion: 98 Resp: 1226257
Ion Ratio Lower Upper
98 100
100 62.6 50.5 75.7

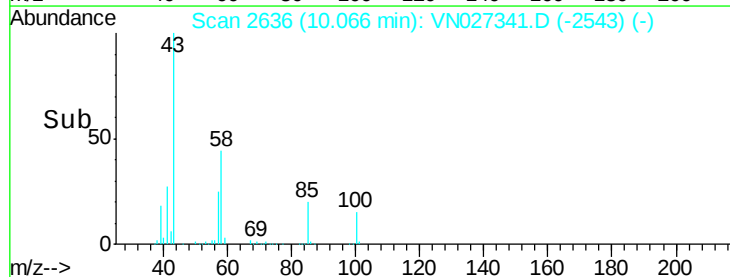
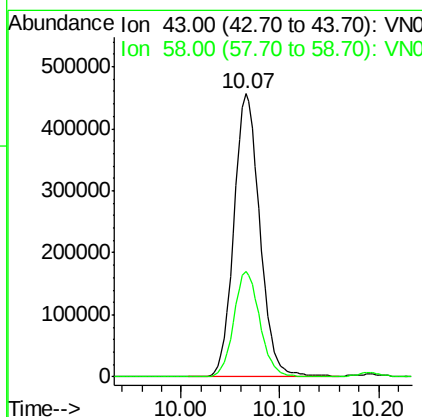
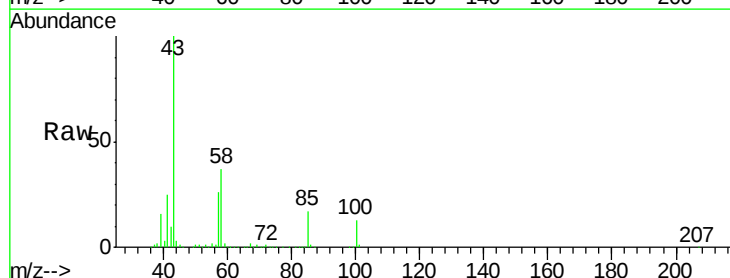
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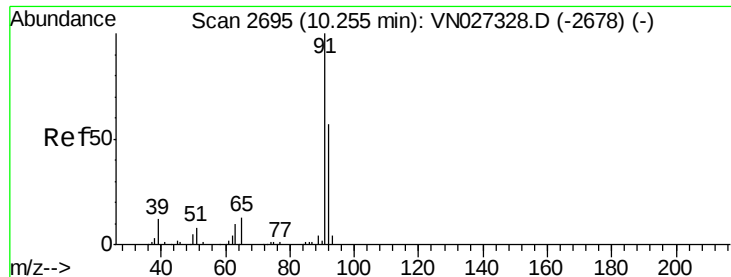
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#52
4-Methyl-2-Pentanone
Concen: 102.05 ug/l
RT: 10.07 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Tgt Ion: 43 Resp: 832679
Ion Ratio Lower Upper
43 100
58 37.5 29.8 44.8





#53

Toluene

Concen: 19.07 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

Tot Ion: 92 Resp: 351854

Ion Ratio Lower Upper

92 100

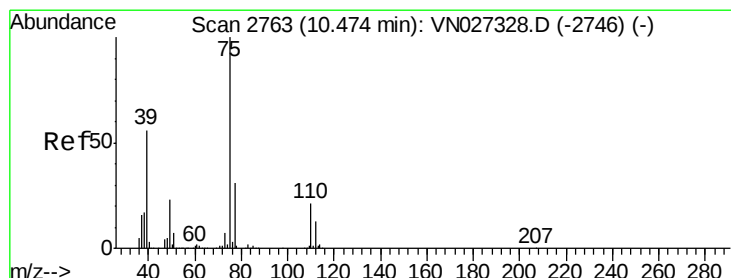
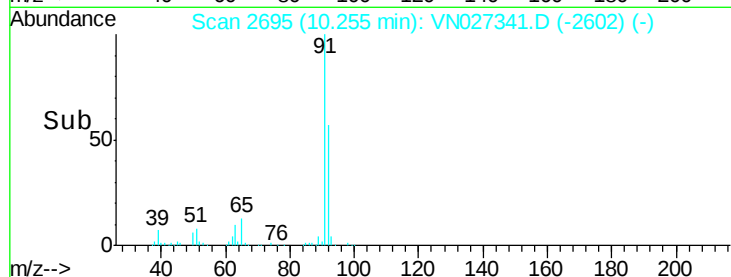
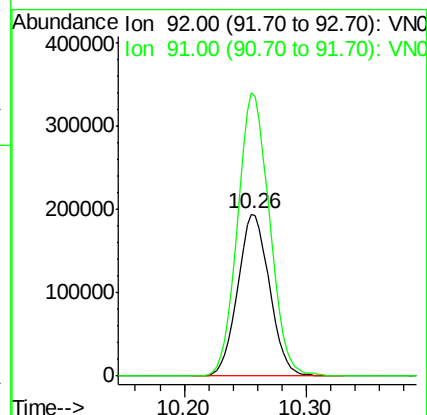
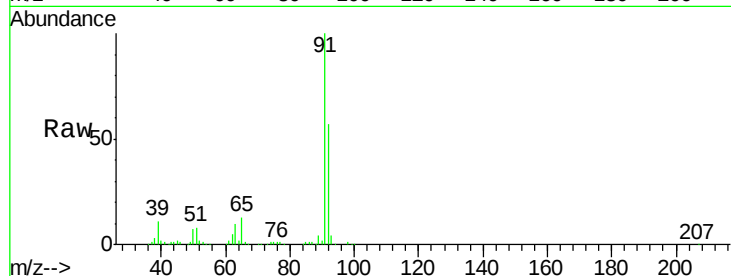
91 175.8 141.4 212.2

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#54

t-1,3-Dichloropropene

Concen: 18.93 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027341.D

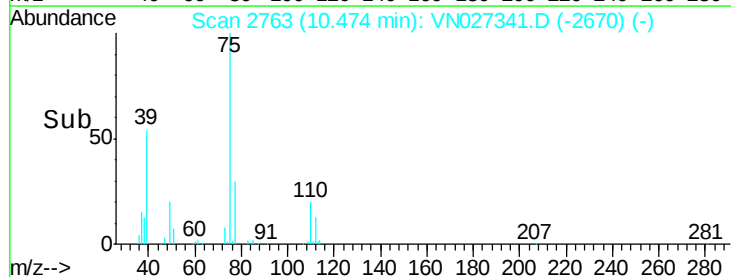
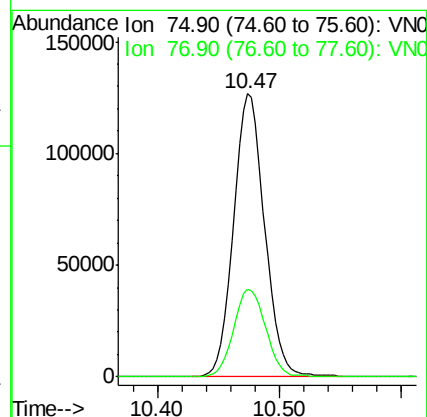
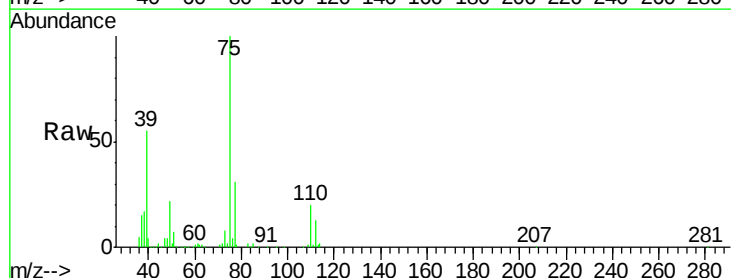
Acq: 21 Sep 2015 20:04

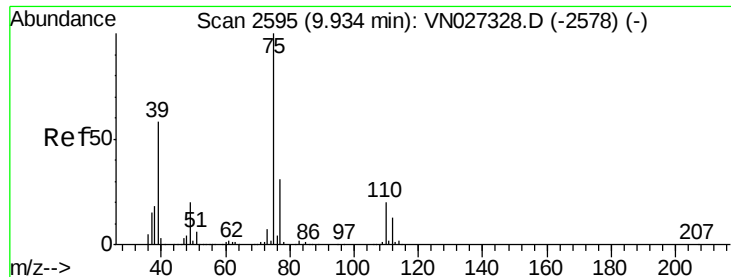
Tgt Ion: 75 Resp: 224543

Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.2





#55

cis-1,3-Dichloropropene

Concen: 19.32 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

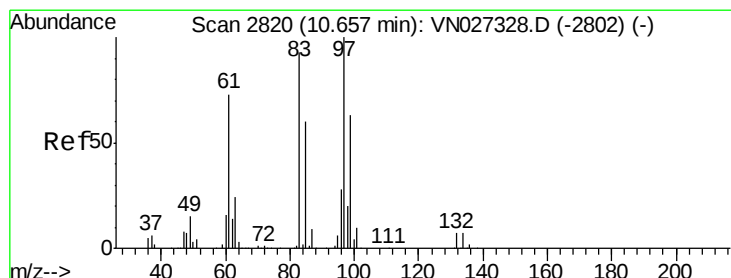
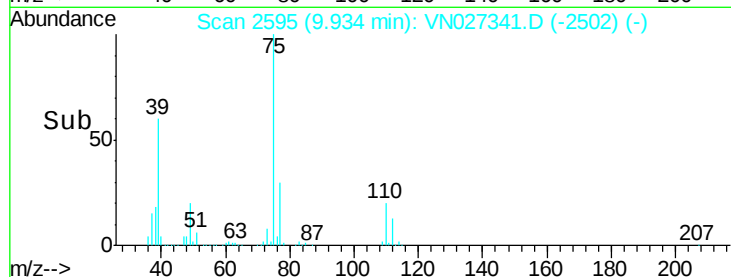
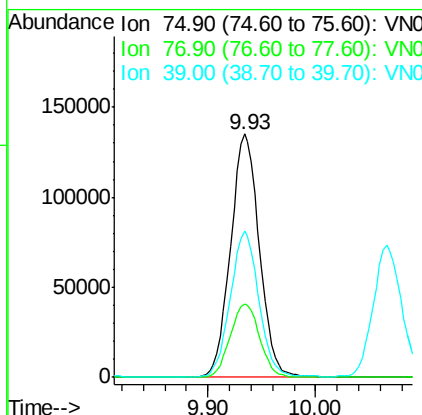
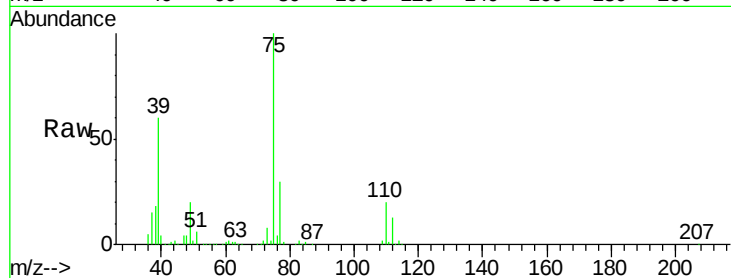
ClientSampleId :

VN0921WBSD01

Tot Ion:	75	Resp:	251800
Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.6	38.4
39	59.8	41.6	62.4

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#56

1,1,2-Trichloroethane

Concen: 19.65 ug/l

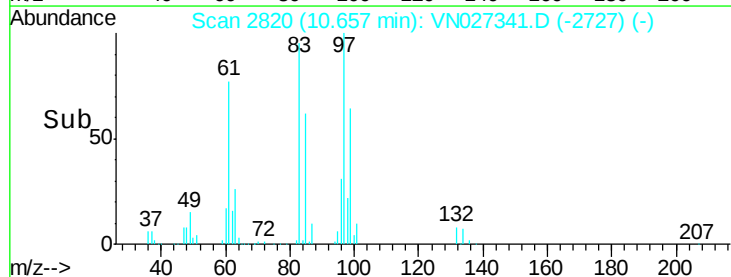
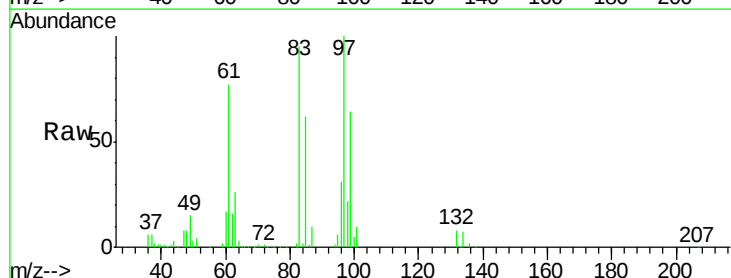
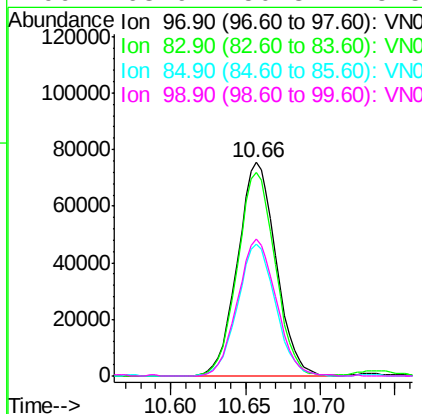
RT: 10.66 min Scan# 2820

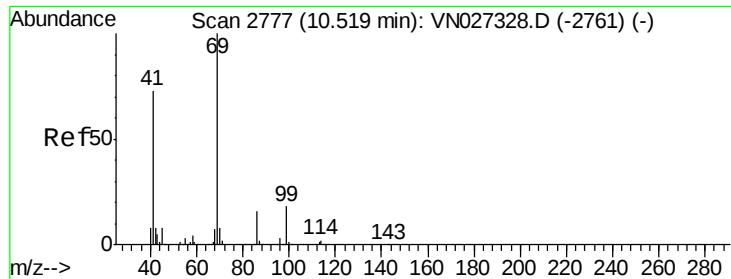
Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Tgt Ion:	97	Resp:	135215
Ion	Ratio	Lower	Upper
97	100		
83	95.4	75.0	112.4
85	61.8	48.0	72.0
99	63.9	50.3	75.5





#57

Ethyl methacrylate

Concen: 19.73 ug/l

RT: 10.52 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

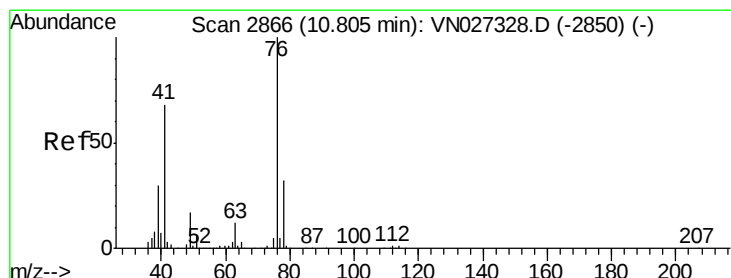
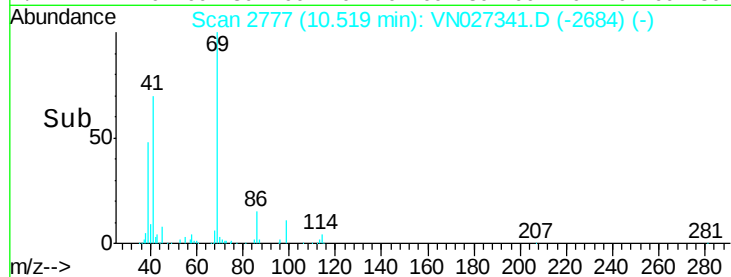
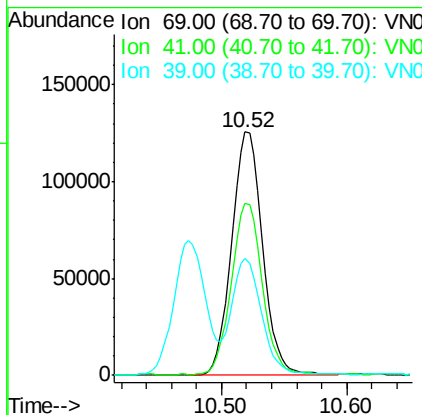
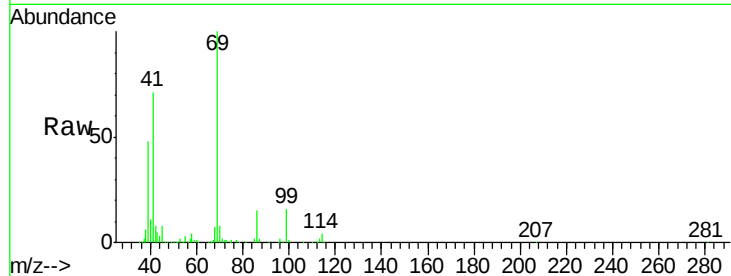
ClientSampleId :

VN0921WBSD01

Tot Ion:	69	Resp:	21542
Ion Ratio	Lower	Upper	
69	100		
41	70.1	61.3	91.9
39	45.6	28.4	42.6

Manual Integrations
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#58

1,3-Dichloropropane

Concen: 19.73 ug/l

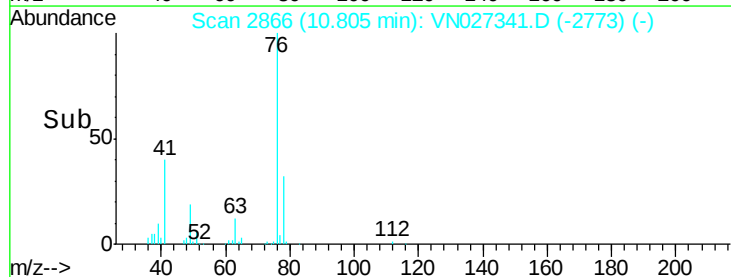
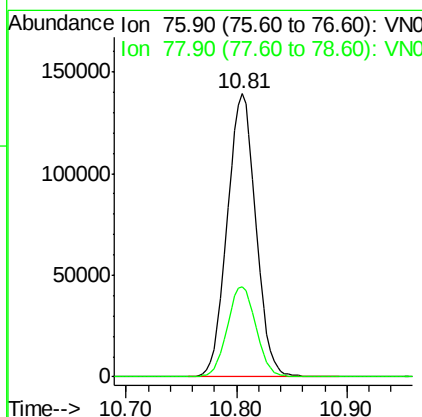
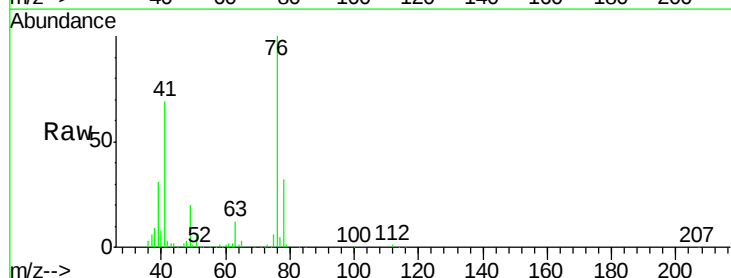
RT: 10.81 min Scan# 2866

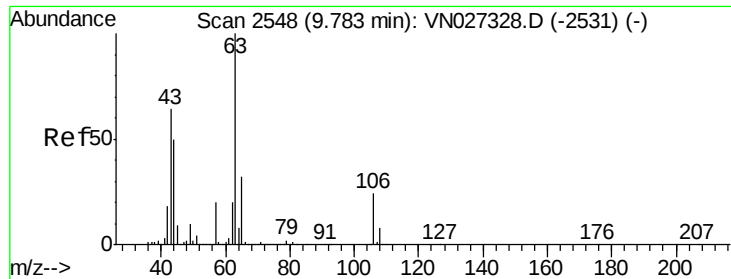
Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Tgt Ion:	76	Resp:	250230
Ion Ratio	Lower	Upper	
76	100		
78	32.0	25.0	37.6





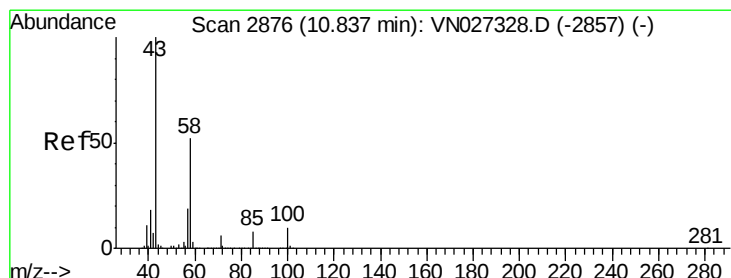
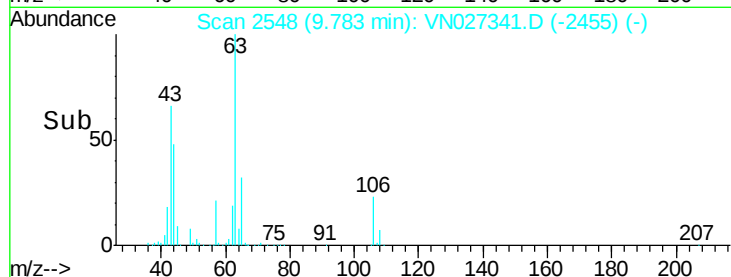
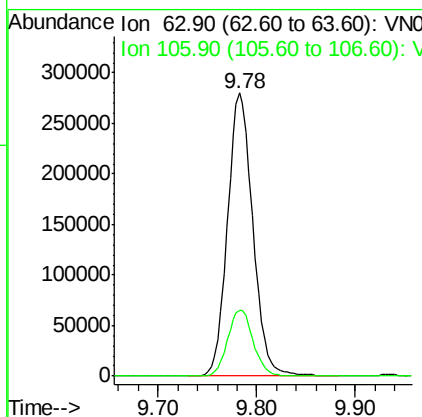
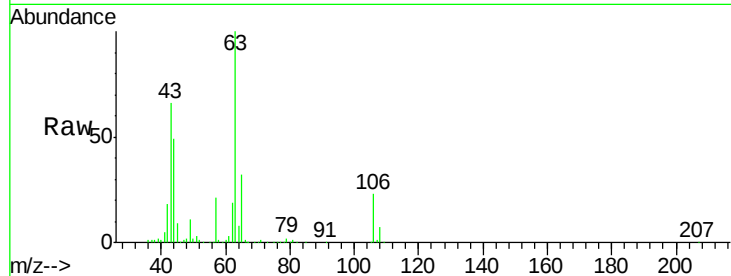
#59
 2-Chloroethyl Vinyl ether
 Concen: 104.09 ug/l
 RT: 9.78 min Scan# 2548
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tot Ion: 63 Resp: 503884
 Ion Ratio Lower Upper
 63 100
 106 23.6 17.7 26.5

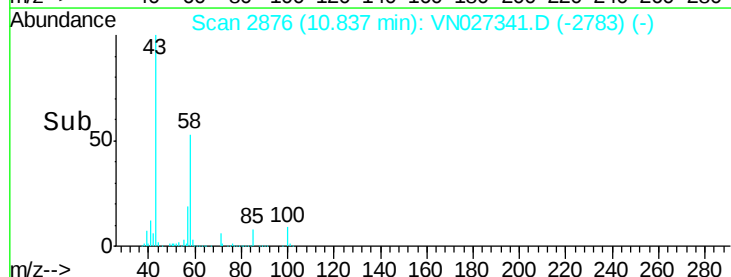
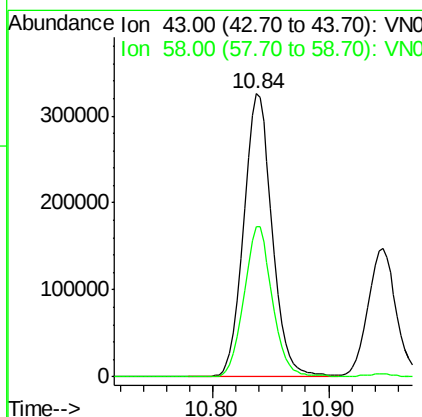
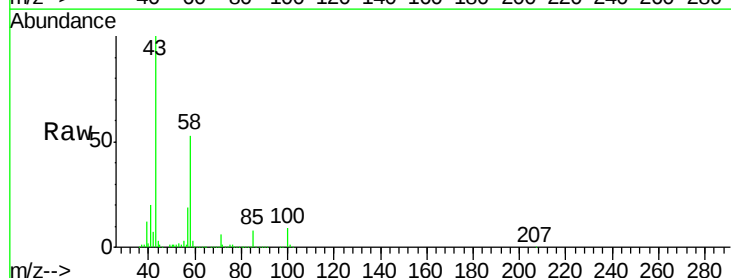
Manual Integrations
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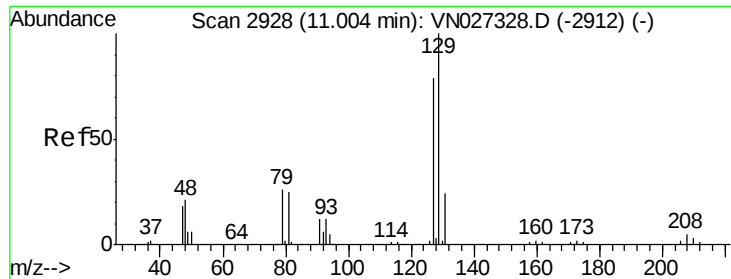
MMDadoda
 9/22/2015 2:28:37 PM



#60
 2-Hexanone
 Concen: 100.10 ug/l
 RT: 10.84 min Scan# 2876
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Tgt Ion: 43 Resp: 555094
 Ion Ratio Lower Upper
 43 100
 58 52.9 26.2 78.5





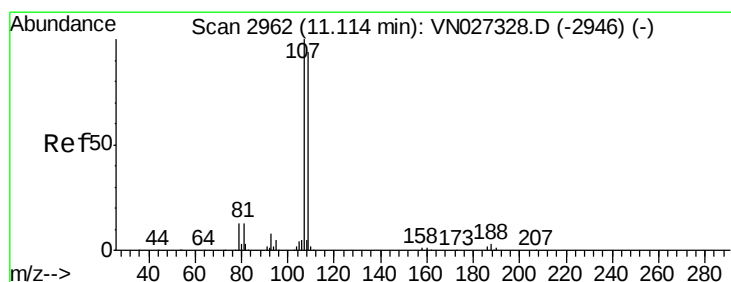
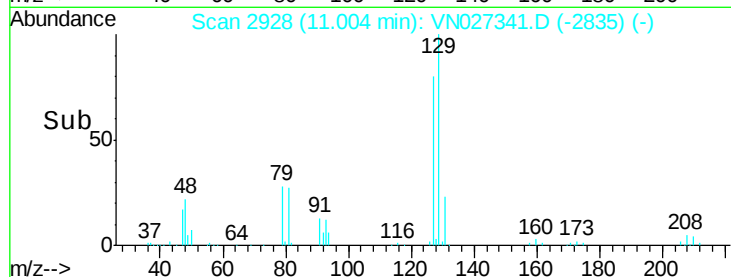
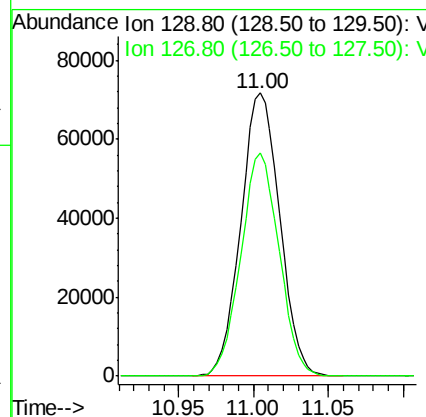
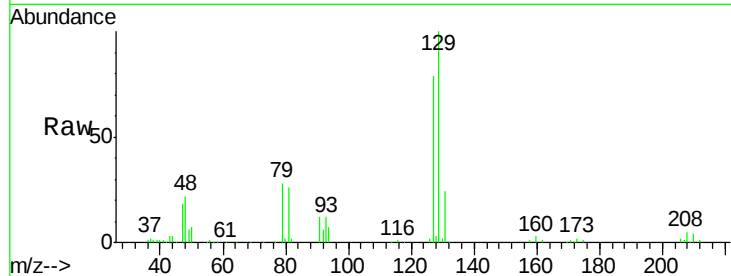
#61
Dibromochloromethane
Concen: 19.29 ug/l
RT: 11.00 min Scan# 2928
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		130028		
127	77.4	39.1	117.2		

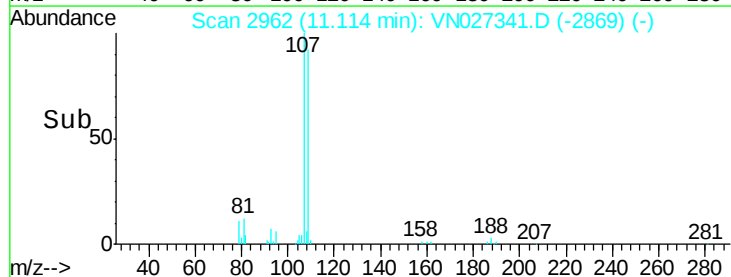
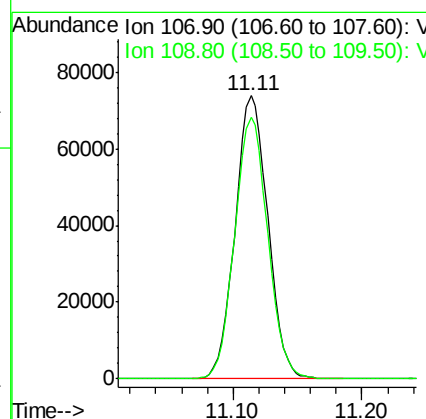
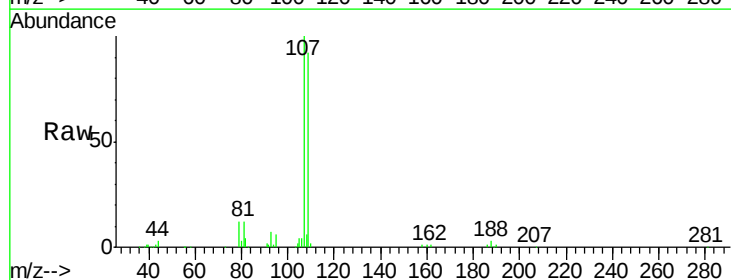
Manual Integrations
APPROVED

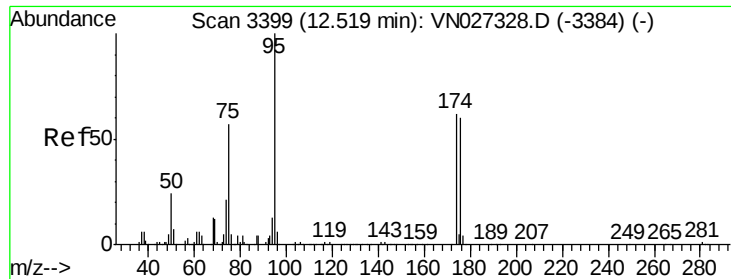
MMDadoda
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#62
1,2-Dibromoethane
Concen: 19.91 ug/l
RT: 11.11 min Scan# 2962
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		130305		
109	93.4	75.6	113.4		





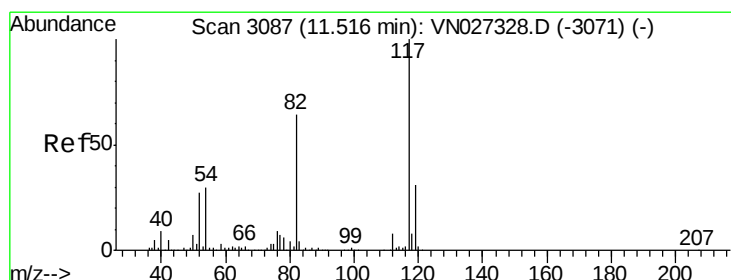
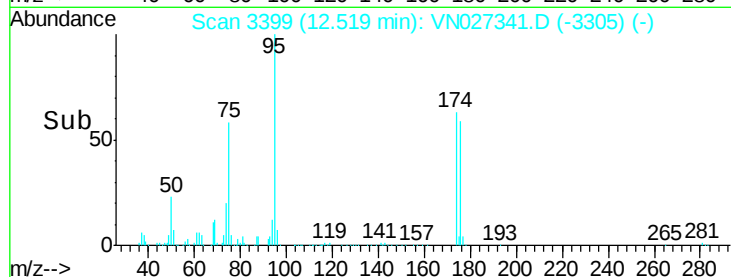
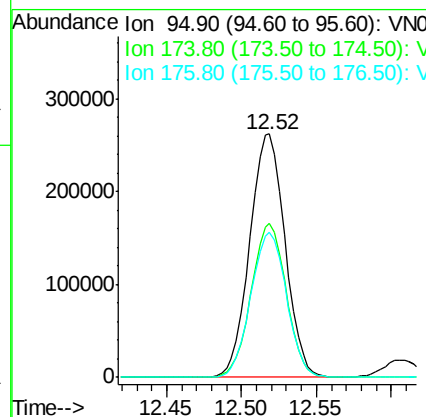
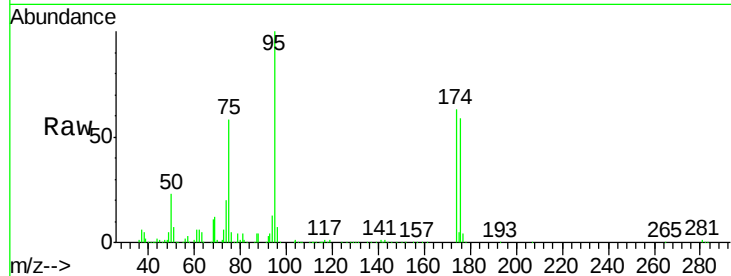
#63
4-Bromofluorobenzene
Concen: 47.03 ug/l
RT: 12.52 min Scan# 3399
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
95	100	429922		
174	62.8	0.0	137.0	
176	60.2	0.0	130.8	

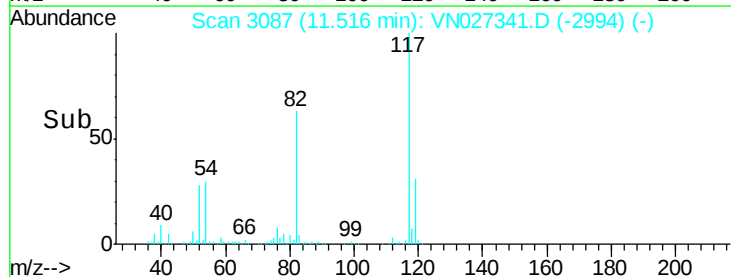
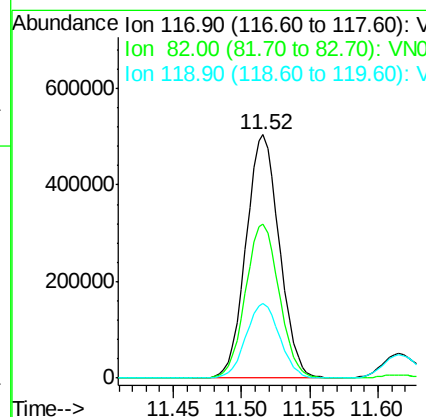
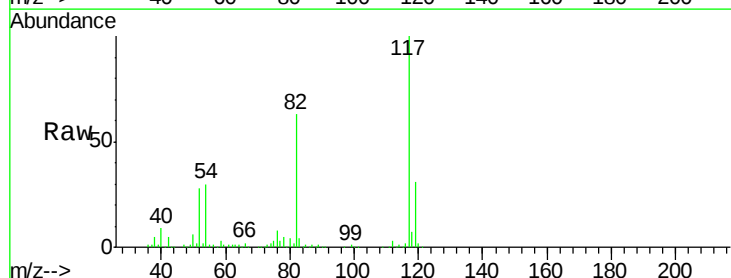
Manual Integrations
APPROVED

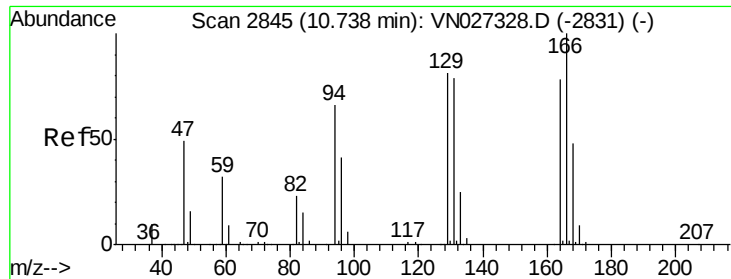
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#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	854919		
82	63.0	49.6	74.4	
119	30.6	24.6	36.8	





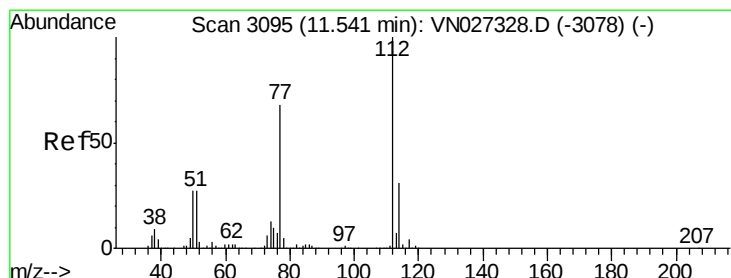
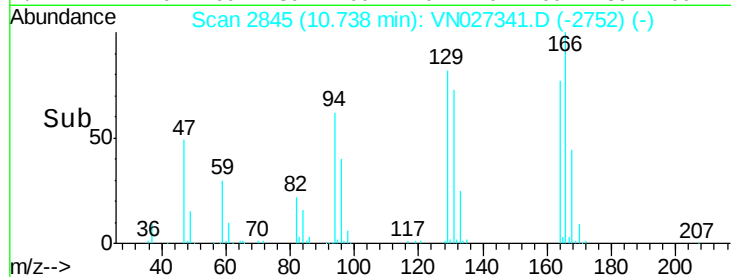
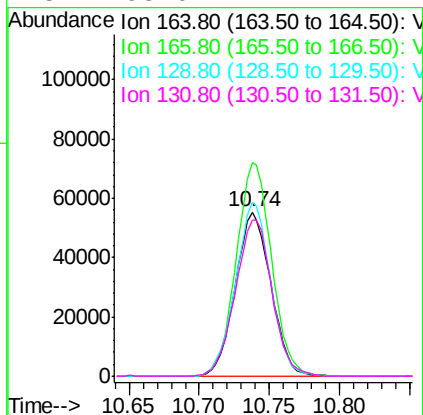
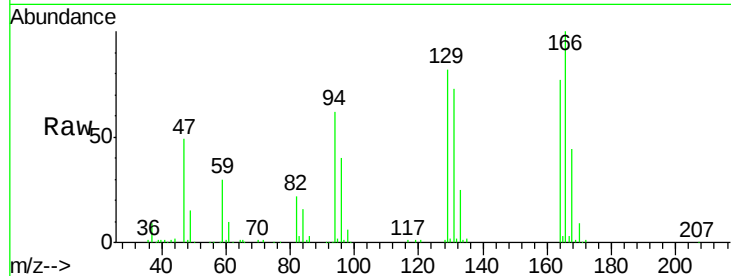
#65
Tetrachloroethene
Concen: 19.30 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tot Ion	Ratio	Lower	Upper
164	100		
166	130.3	103.4	155.0
129	106.5	77.5	116.3
131	95.0	74.2	111.4

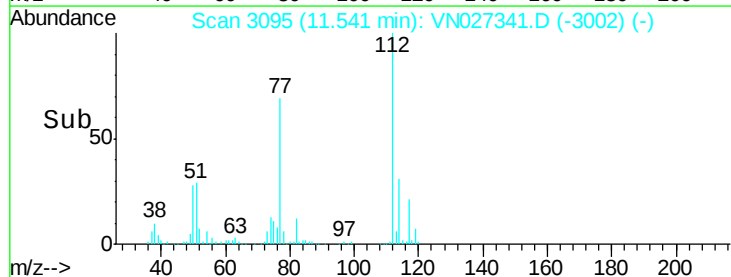
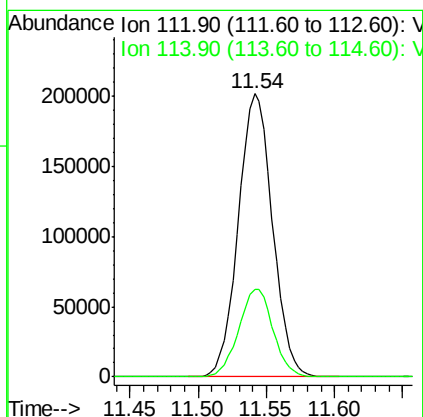
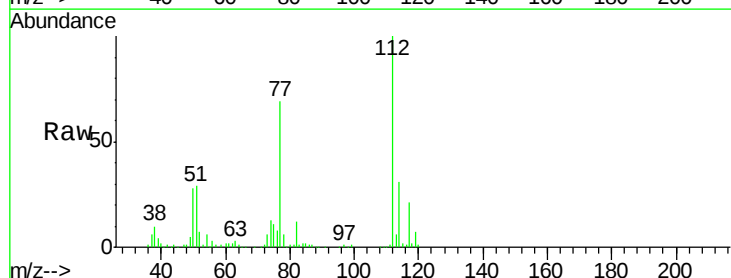
Manual Integrations
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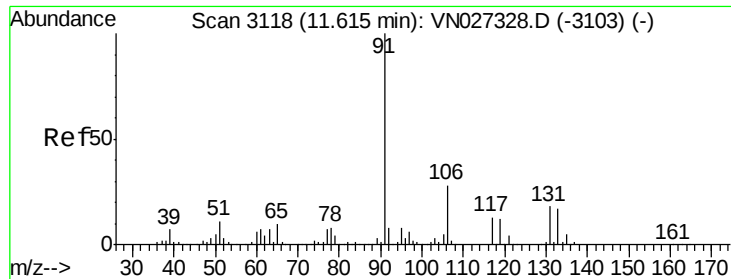
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#66
Chlorobenzene
Concen: 19.15 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.1	24.9	37.3





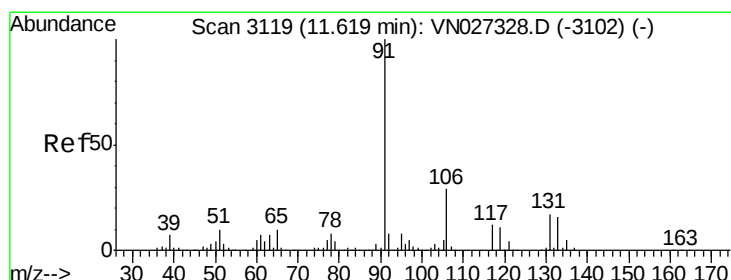
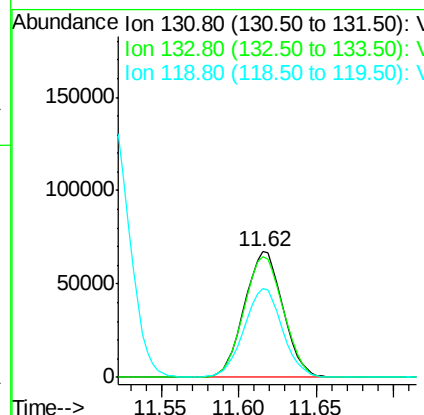
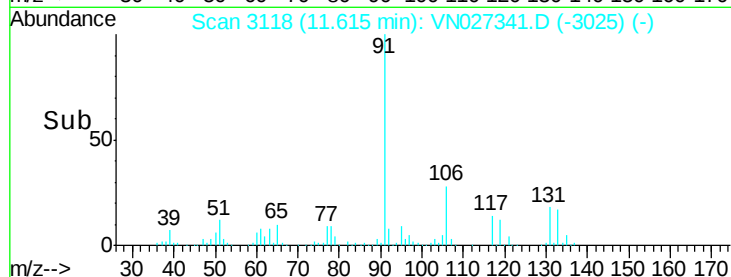
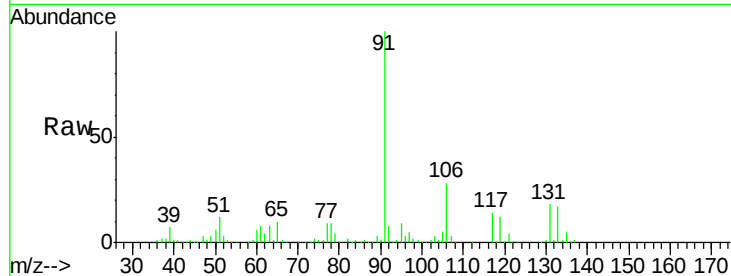
#67
 1,1,1,2-Tetrachloroethane
 Concen: 19.04 ug/l
 RT: 11.62 min Scan# 3118
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tot Ion	Ratio	Lower	Upper
131	100		
133	97.9	47.0	141.2
119	70.8	35.1	105.5

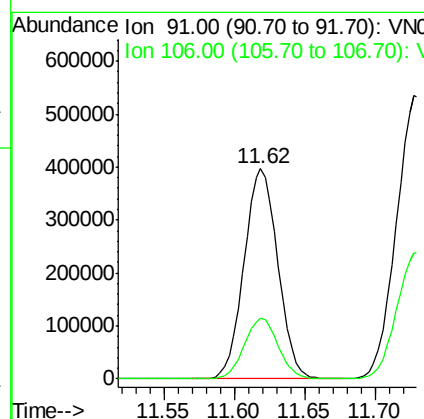
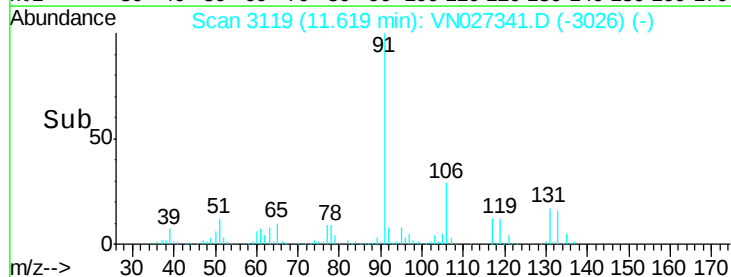
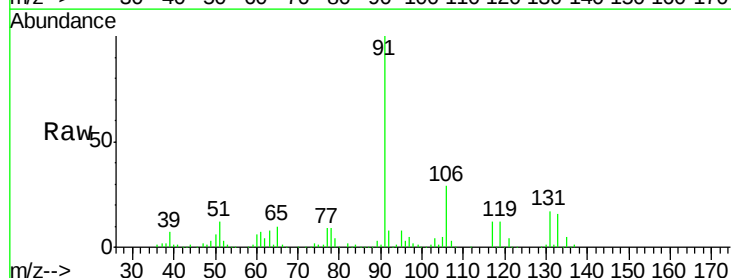
Manual Integrations
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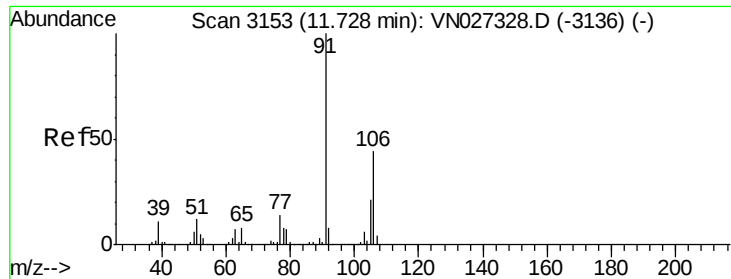
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#68
 Ethyl Benzene
 Concen: 19.28 ug/l
 RT: 11.62 min Scan# 3119
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.8	23.1	34.7





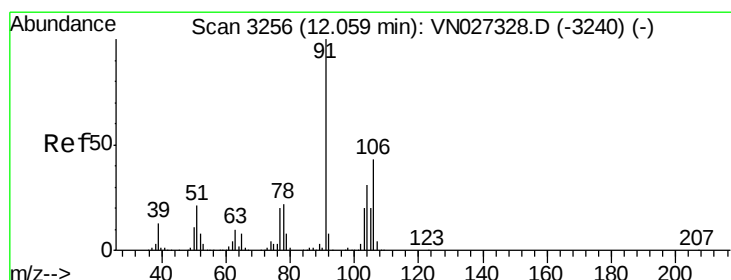
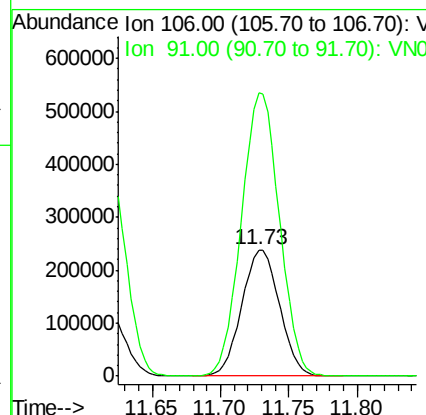
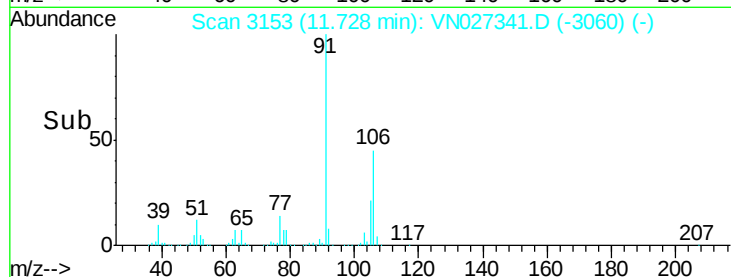
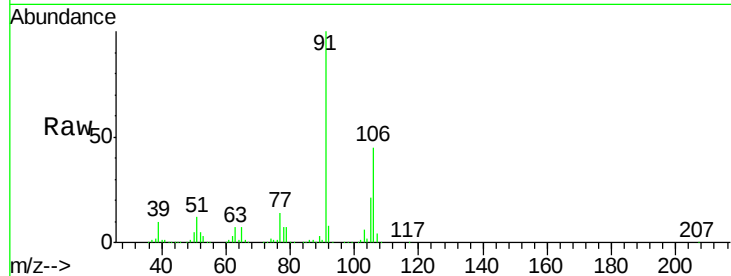
#69
m/p-Xvlenes
Concen: 38.24 ug/l
RT: 11.73 min Scan# 3153
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Instrument :
MSVOA_N
ClientSampled :
VN0921WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		458392		
91	224.9	167.1	250.7		

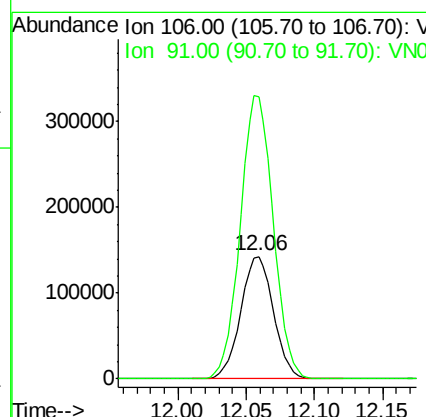
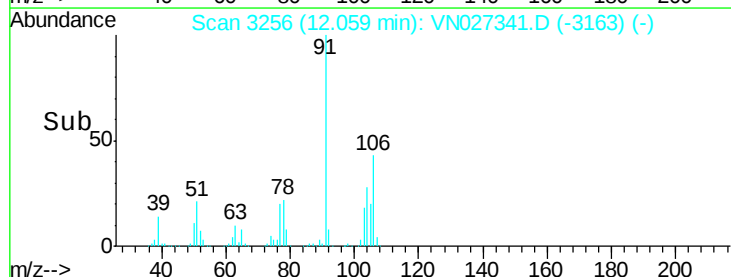
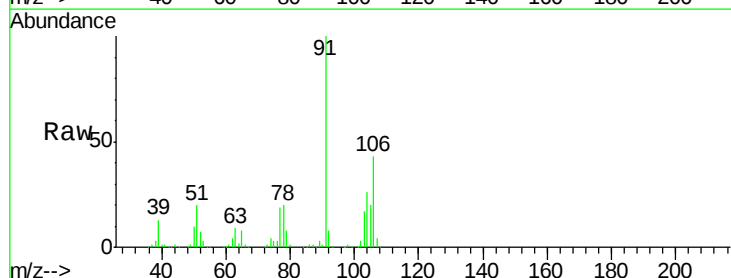
Manual Integrations
APPROVED

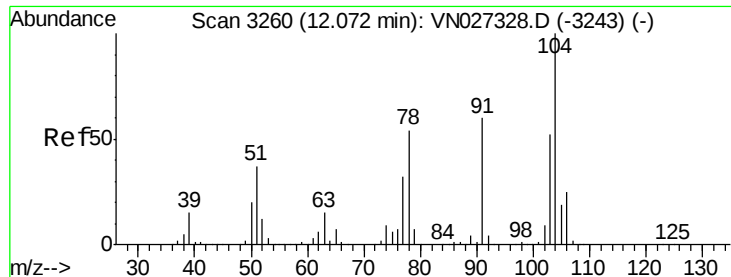
MMDadoda
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#70
o-Xylene
Concen: 19.59 ug/l
RT: 12.06 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		237213		
91	232.6	110.7	331.9		





#71

Stvrene

Concen: 19.08 ug/l

RT: 12.08 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

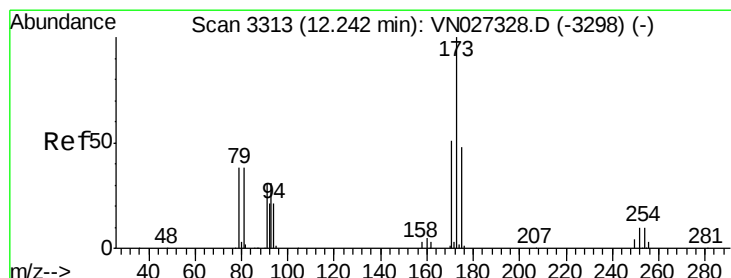
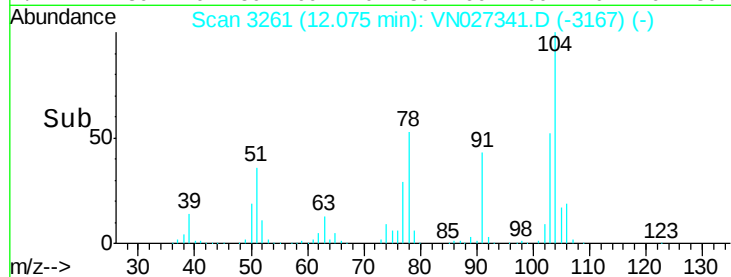
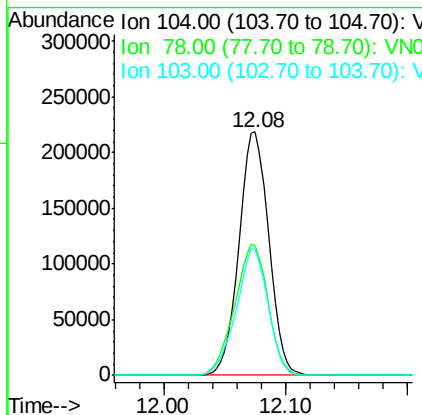
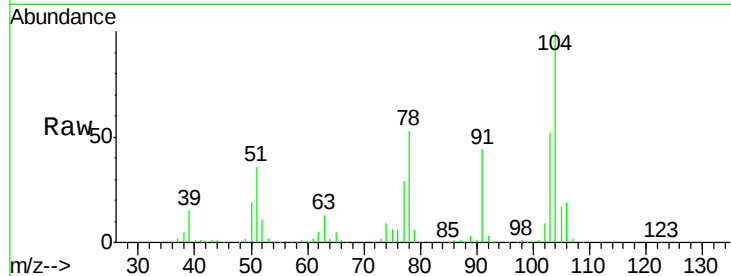
ClientSampleId :

VN0921WBSD01

Tot Ion:	104	Resp:	367964
Ion Ratio	Lower	Upper	
104	100		
78	60.2	41.6	62.4
103	55.8	44.2	66.2

Manual Integrations
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#72

Bromoform

Concen: 18.41 ug/l

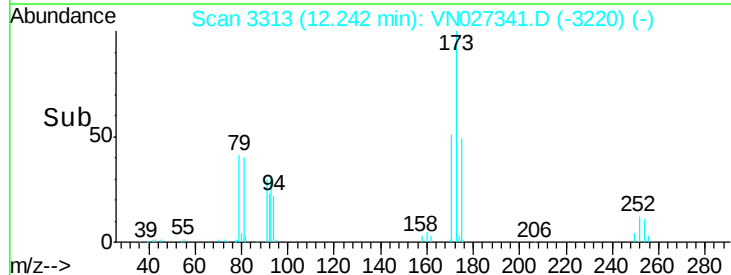
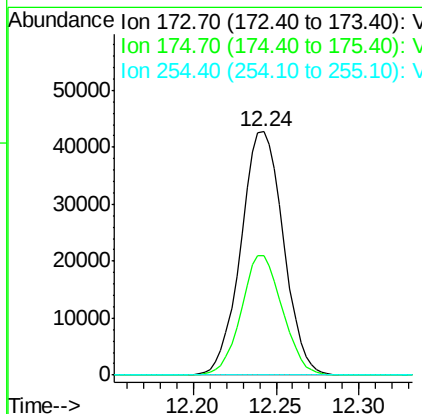
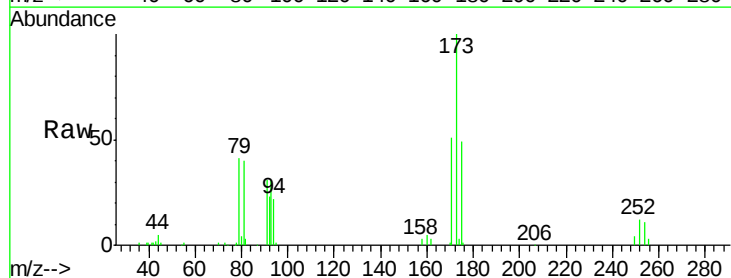
RT: 12.24 min Scan# 3313

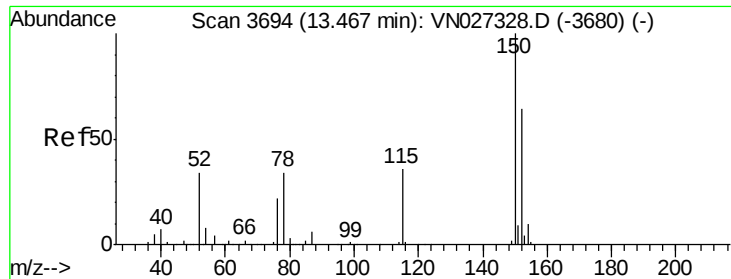
Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Tgt Ion:	173	Resp:	75978
Ion Ratio	Lower	Upper	
173	100		
175	47.6	24.4	73.4
254	0.0	0.1	0.1#





#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

Tot Ion:152 Resp: 323329

Ion Ratio Lower Upper

152 100

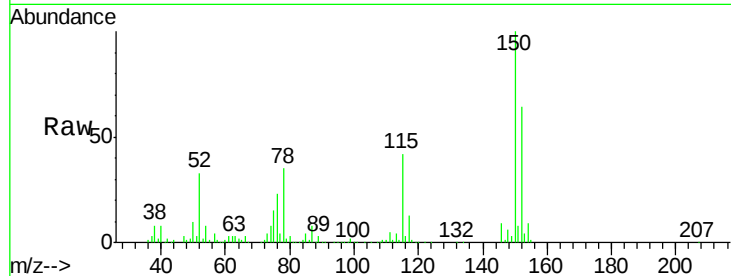
115 67.8 30.8 92.3

150 161.8 0.0 345.0

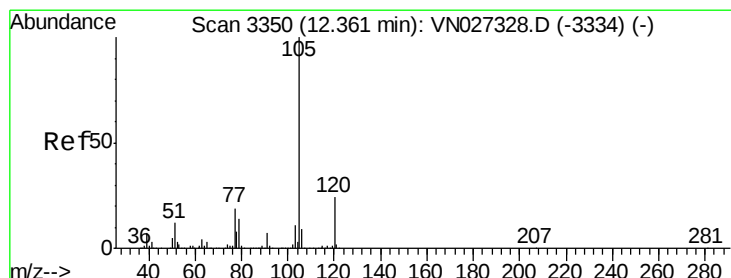
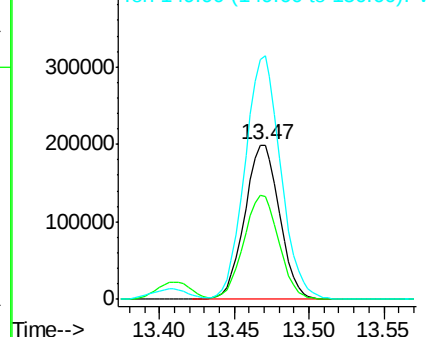
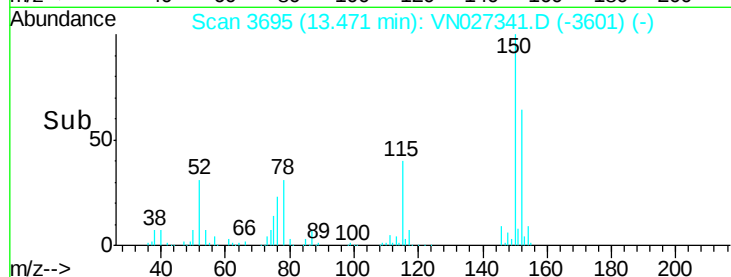
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#74

Isopropylbenzene

Concen: 19.37 ug/l

RT: 12.36 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VN027341.D

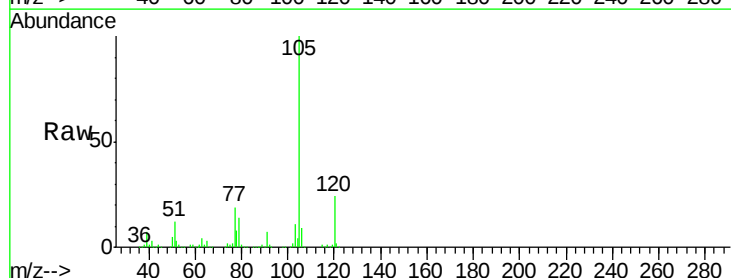
Acq: 21 Sep 2015 20:04

Tgt Ion:105 Resp: 627424

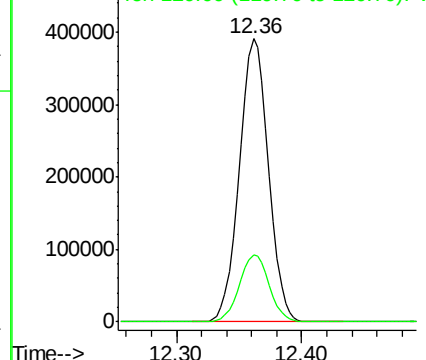
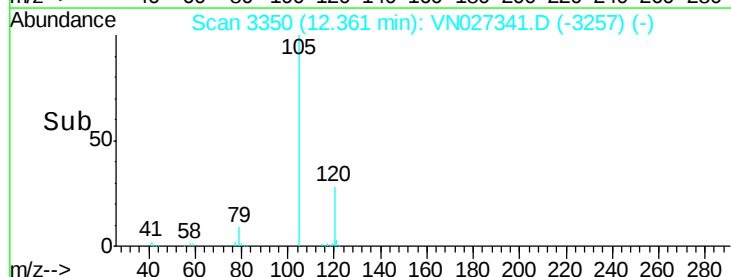
Ion Ratio Lower Upper

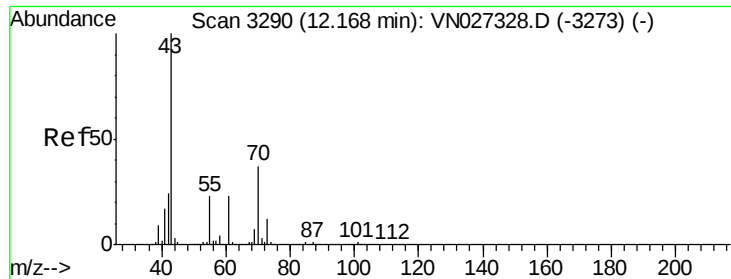
105 100

120 24.2 12.4 37.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#75

N-amyl acetate

Concen: 19.43 ug/l

RT: 12.17 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

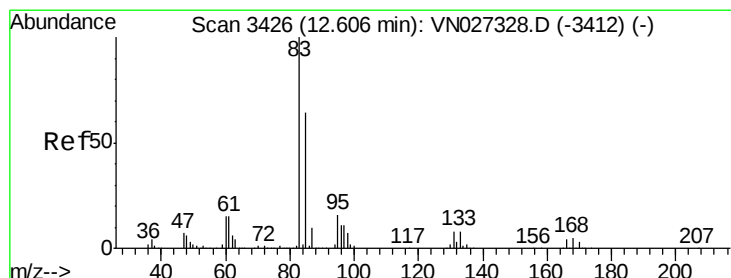
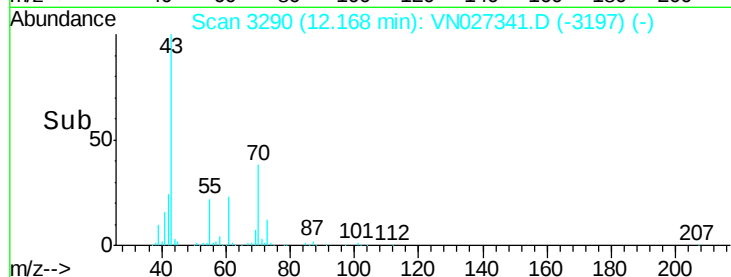
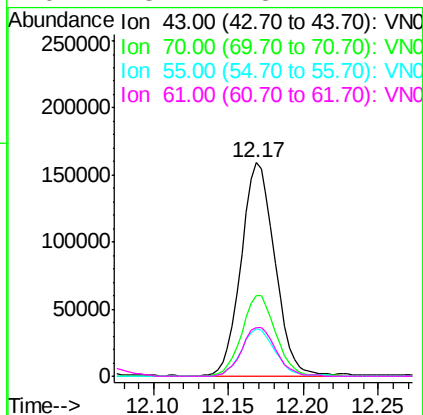
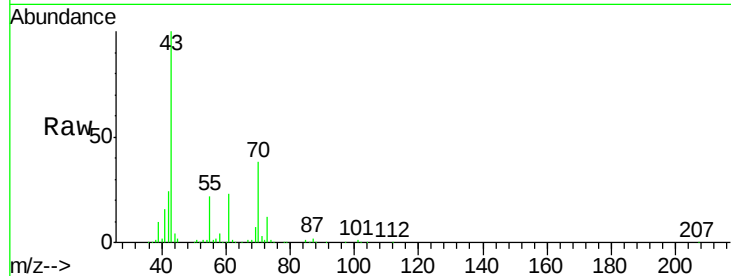
ClientSampleId :

VN0921WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
70	38.2	29.8	44.8
55	22.4	19.4	29.0
61	23.4	18.2	27.2

Manual Integrations
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#76

1,1,2,2-Tetrachloroethane

Concen: 19.47 ug/l

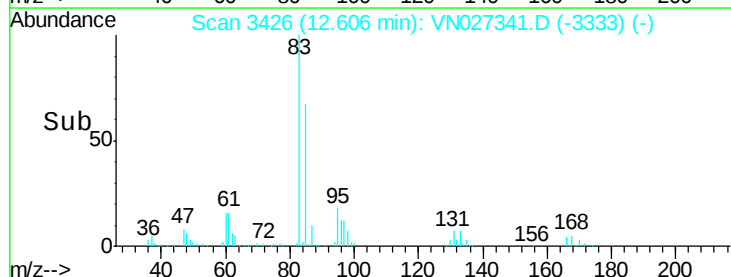
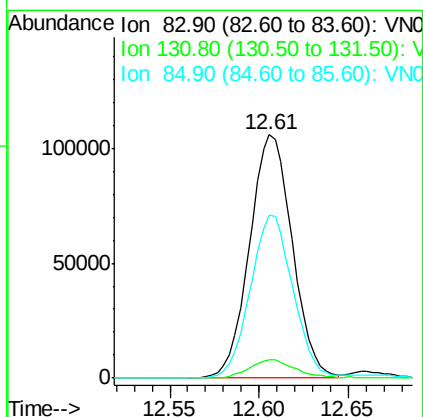
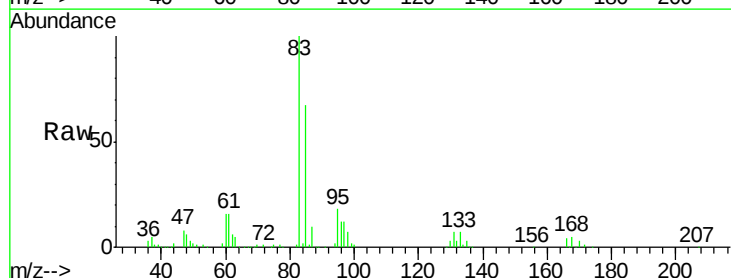
RT: 12.61 min Scan# 3426

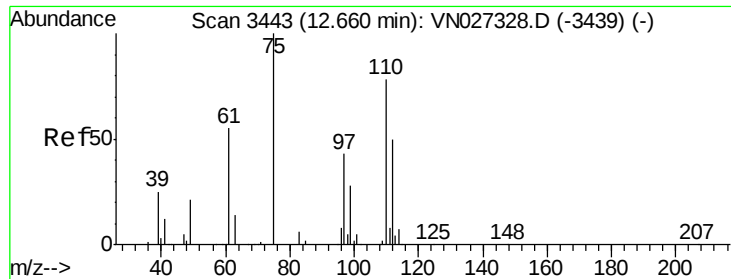
Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Tgt Ion	Ratio	Lower	Upper
83	100		
131	8.3	4.1	12.3
85	66.9	31.9	95.7





#77

1,2,3-Trichloropropane

Concen: 19.43 ug/l m

RT: 12.66 min Scan# 3444

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampled :

VN0921WBSD01

Tot Ion: 75 Resp: 157687

Ion Ratio Lower Upper

75 100

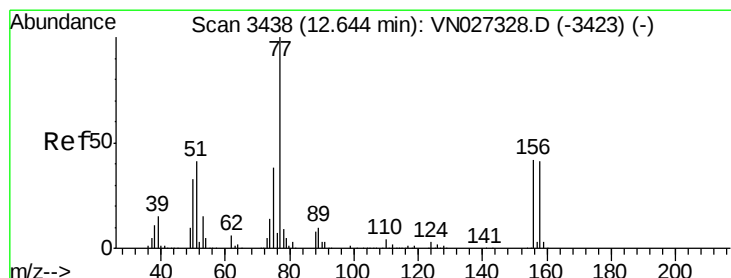
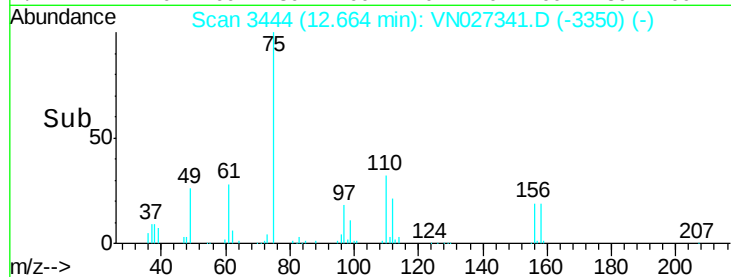
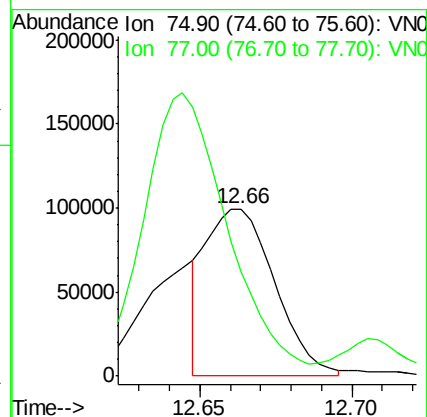
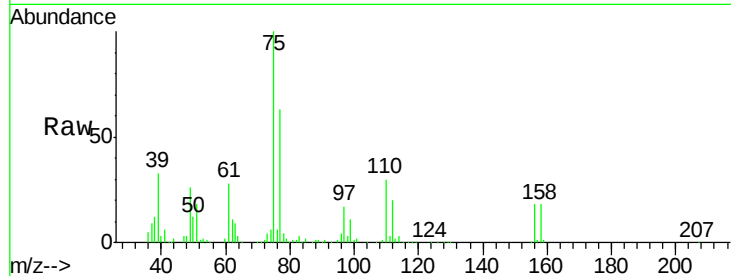
77 206.7 103.1 309.3

Manual Integrations

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#78

Bromobenzene

Concen: 19.65 ug/l

RT: 12.64 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

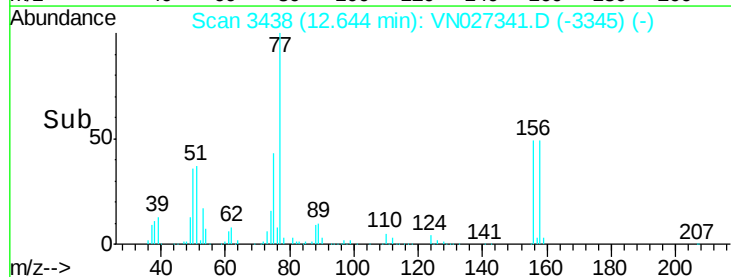
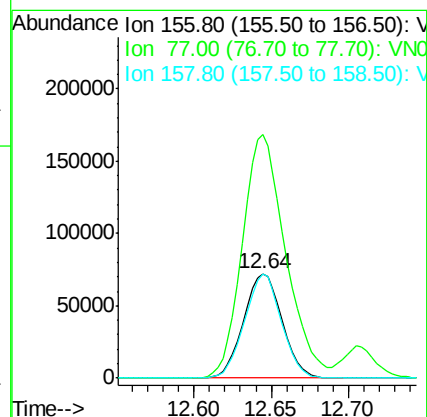
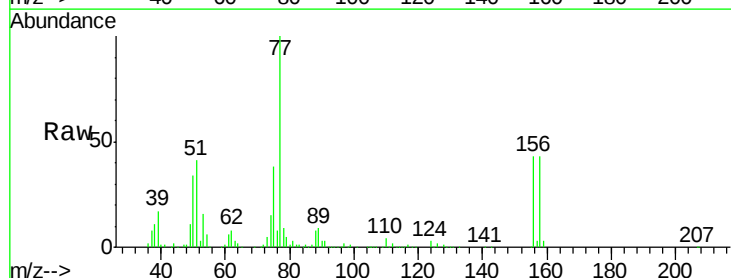
Tgt Ion: 156 Resp: 124527

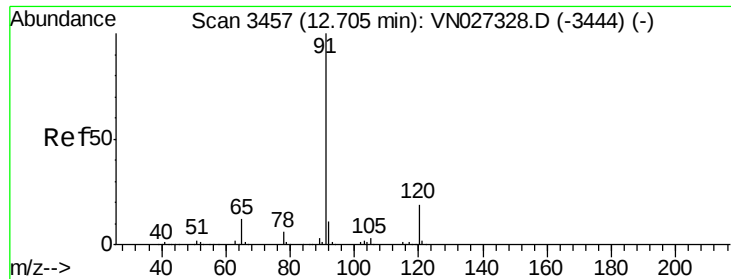
Ion Ratio Lower Upper

156 100

77 261.7 127.3 381.9

158 95.7 48.0 144.2





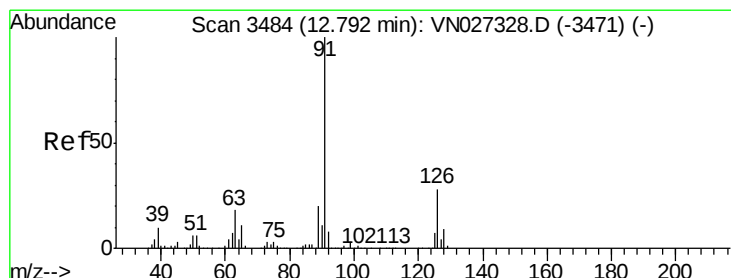
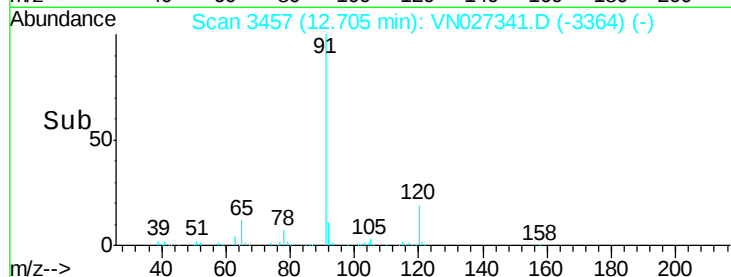
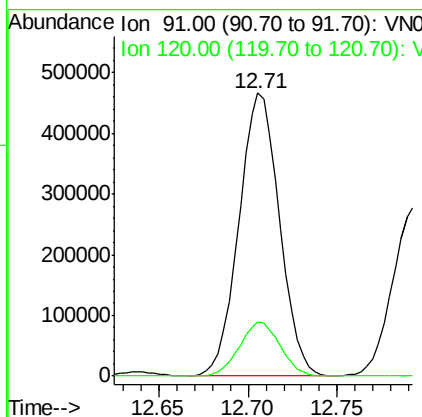
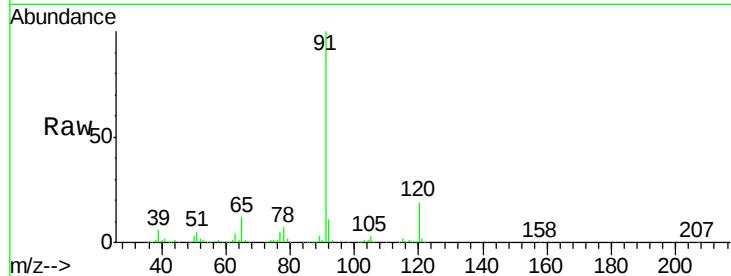
#79
n-propylbenzene
Concen: 19.03 ug/l
RT: 12.71 min Scan# 3457
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
120	19.2	10.3	30.8

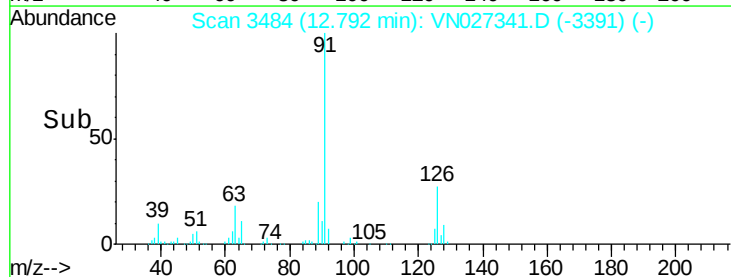
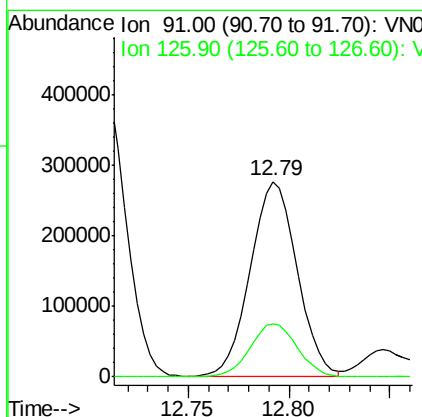
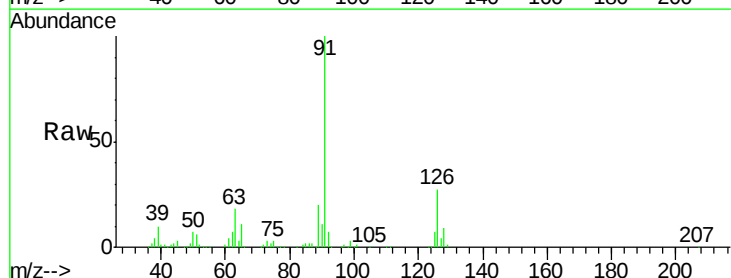
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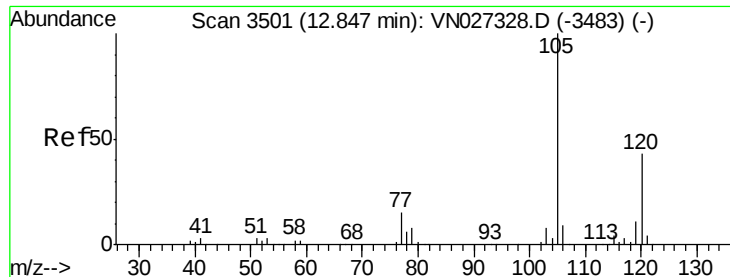
MMDadoda
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#80
2-Chlorotoluene
Concen: 19.02 ug/l
RT: 12.79 min Scan# 3484
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.6	15.2	45.5





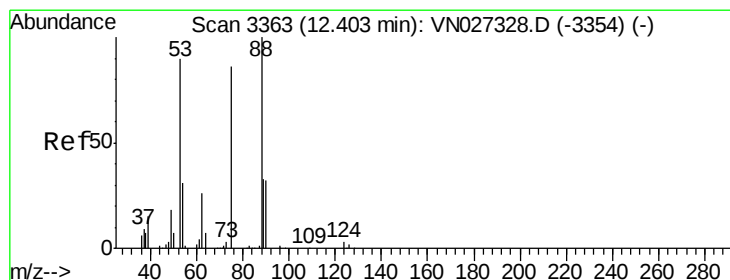
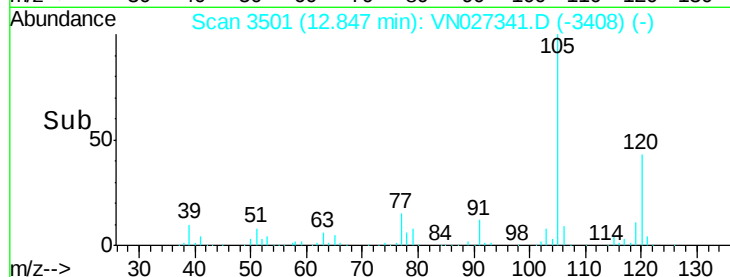
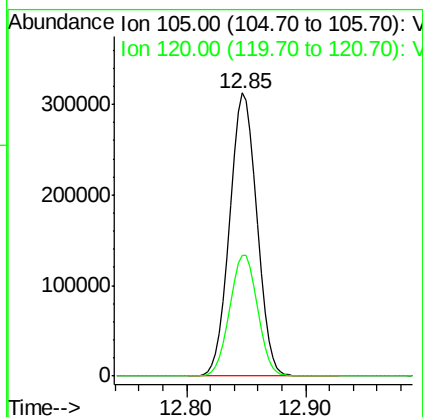
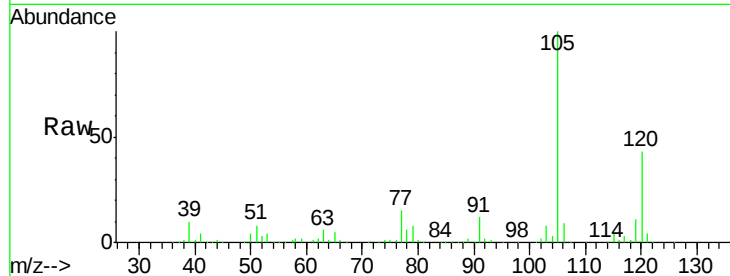
#81
 1,3,5-Trimethylbenzene
 Concen: 18.99 ug/l
 RT: 12.85 min Scan# 3501
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0921WBSD01

Tot Ion:105 Resp: 497140
 Ion Ratio Lower Upper
 105 100
 120 43.8 23.4 70.0

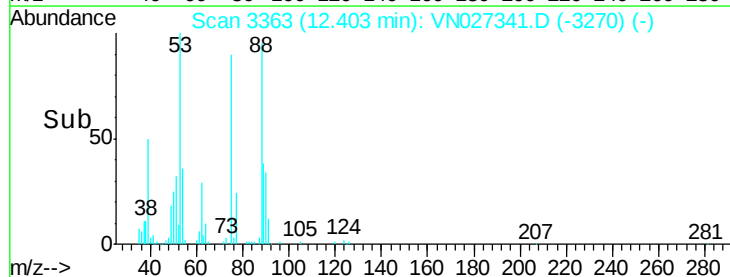
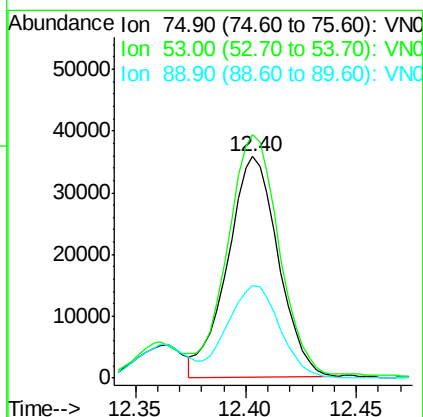
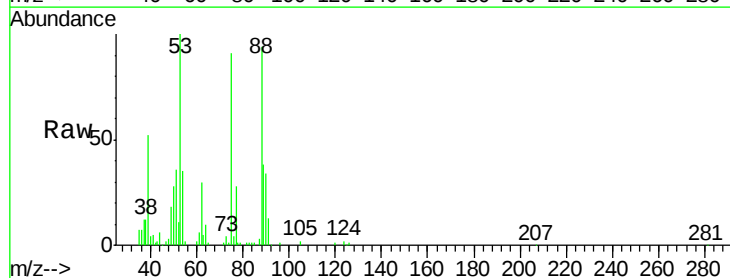
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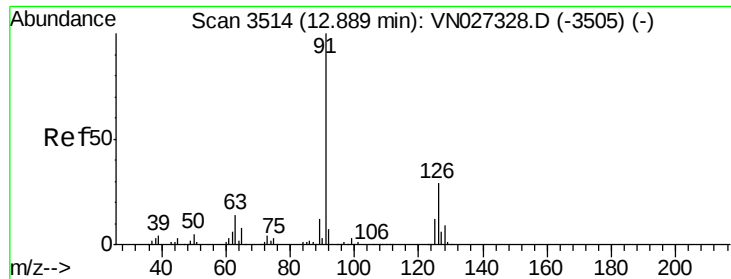
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#82
 trans-1,4-Dichloro-2-butene
 Concen: 17.90 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Tgt Ion: 75 Resp: 56665
 Ion Ratio Lower Upper
 75 100
 53 111.9 92.9 139.3
 89 43.3 34.2 51.4





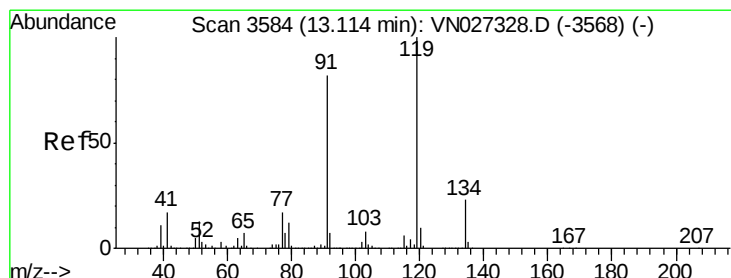
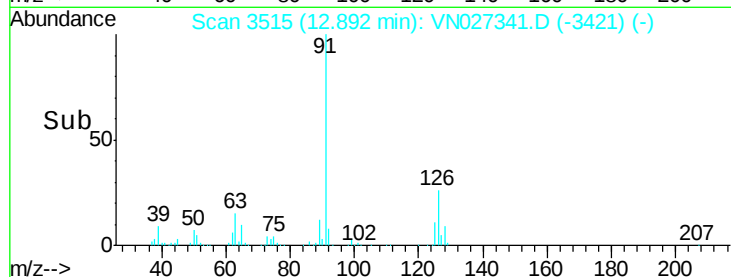
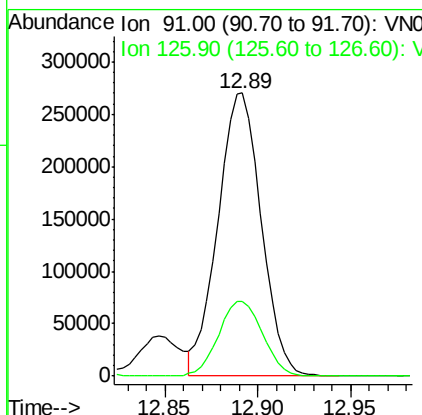
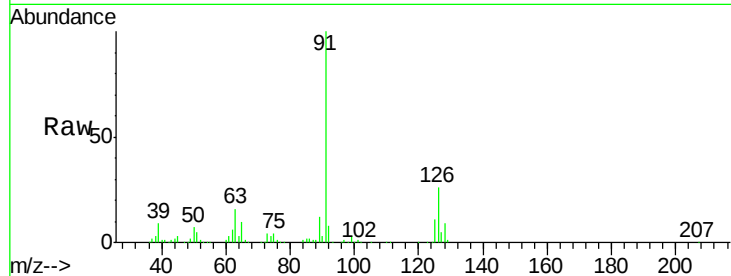
#83
4-Chlorotoluene
Concen: 18.92 ug/l
RT: 12.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	27.0	14.9	44.5

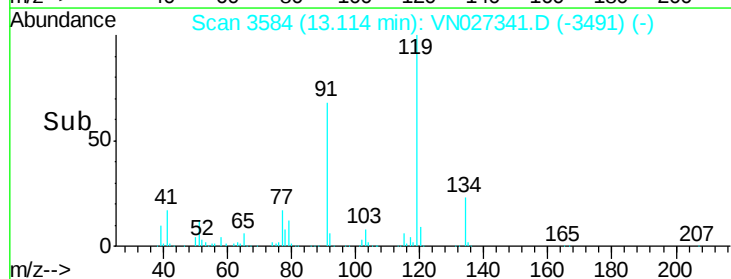
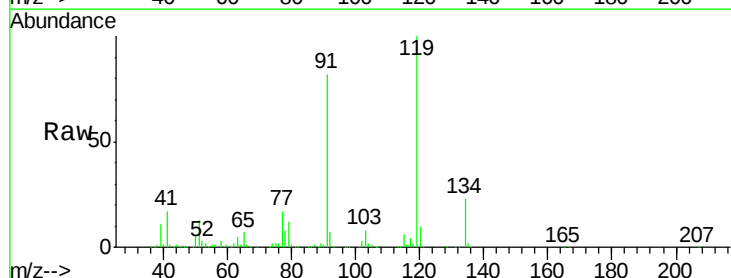
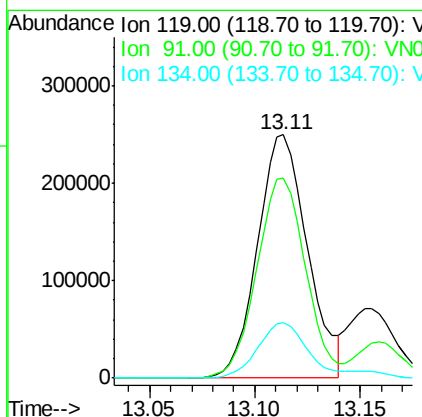
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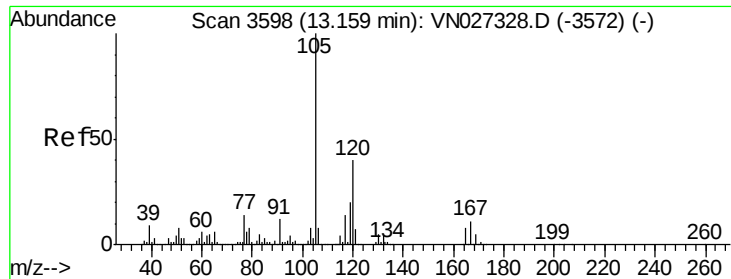
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#84
tert-Butylbenzene
Concen: 19.52 ug/l
RT: 13.11 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Tgt Ion	Ratio	Lower	Upper
119	100		
91	80.0	34.6	103.8
134	22.4	11.4	34.2





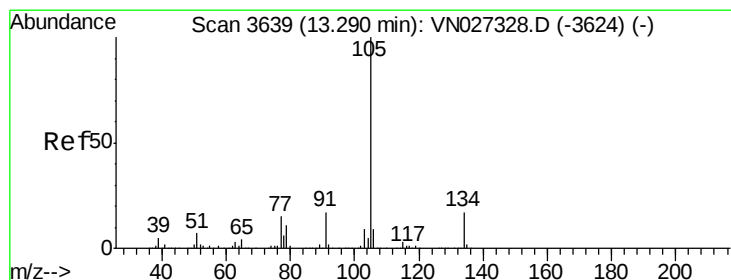
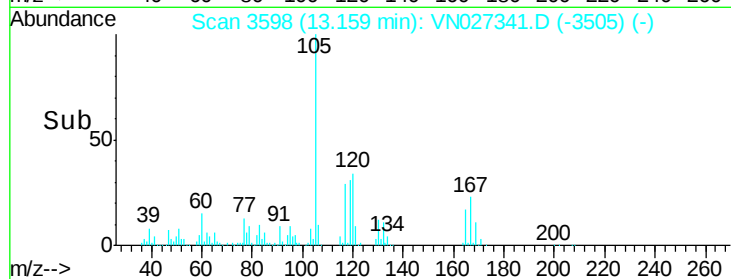
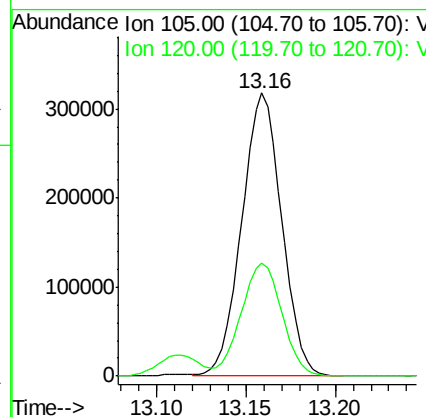
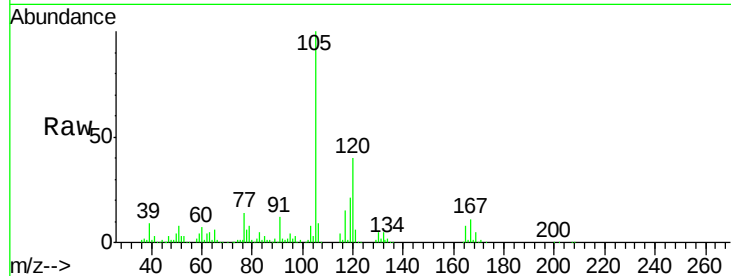
#85
 1,2,4-Trimethylbenzene
 Concen: 19.05 ug/l
 RT: 13.16 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	41.2	21.9	65.5

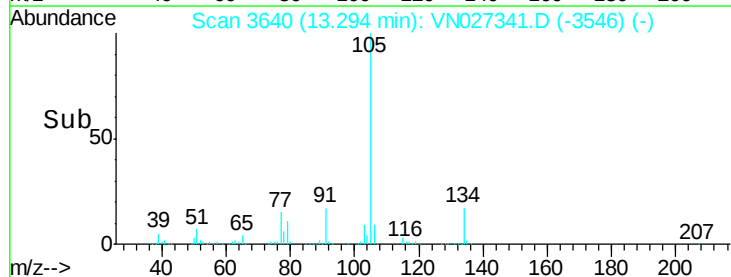
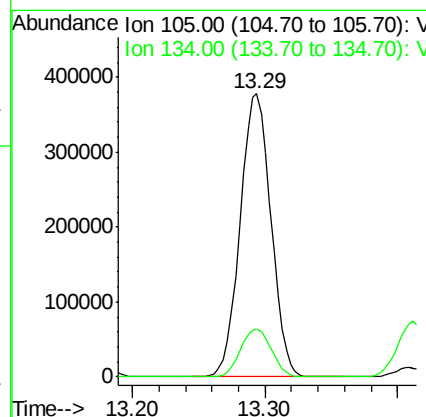
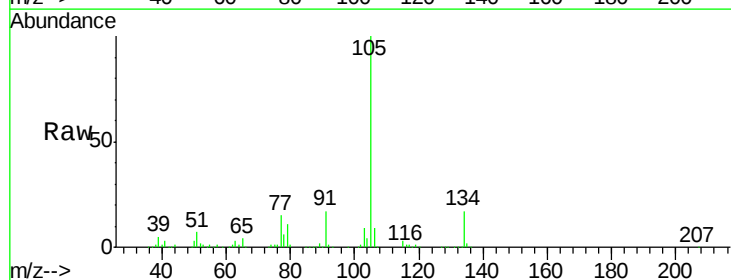
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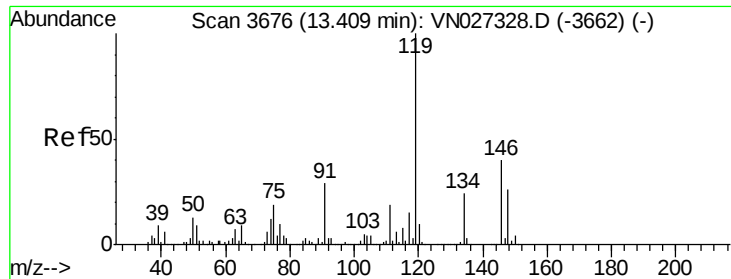
MMDadoda
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#86
 sec-Butylbenzene
 Concen: 19.36 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Tgt Ion	Ratio	Lower	Upper
105	100		
134	17.0	8.8	26.4





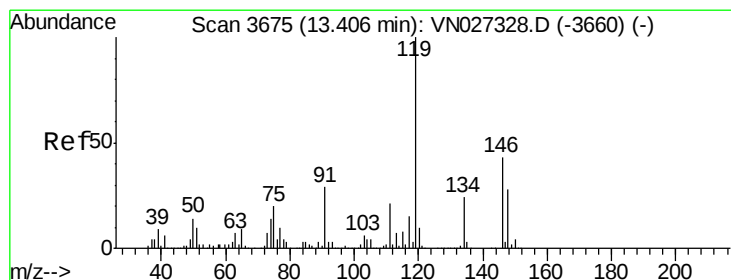
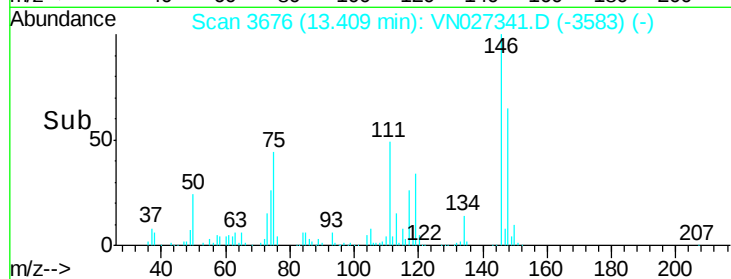
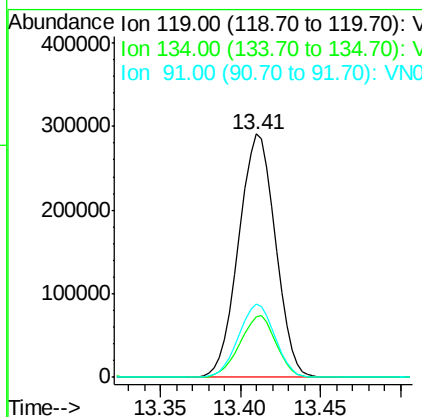
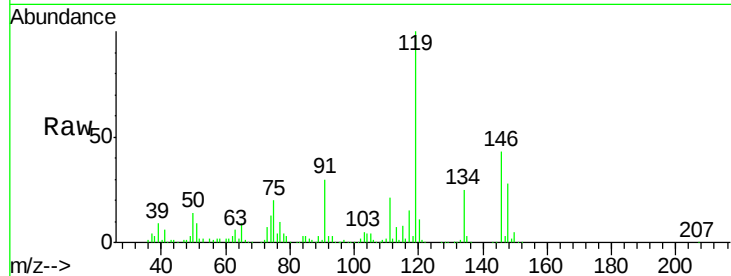
#87
 p-Isopropyltoluene
 Concen: 19.29 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.8	12.4	37.0
91	29.7	12.0	36.1

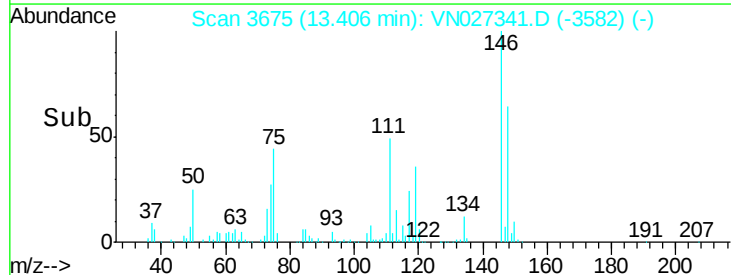
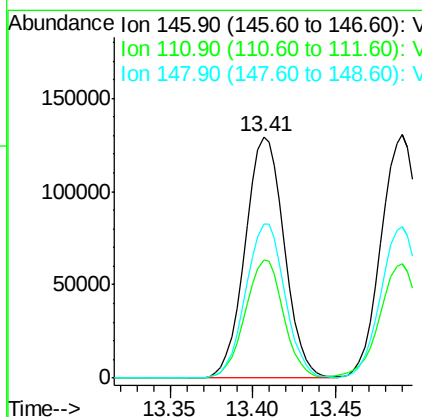
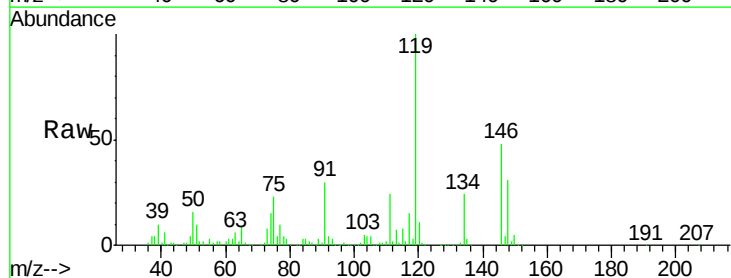
Manual Integrations
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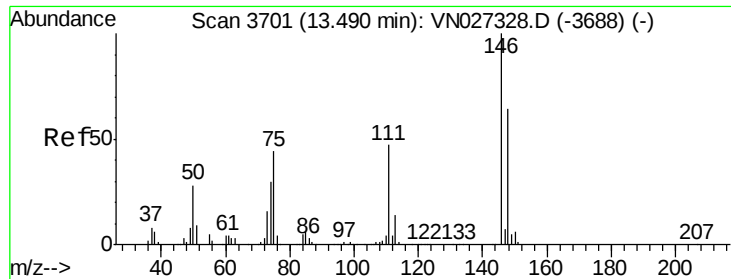
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#88
 1,3-Dichlorobenzene
 Concen: 19.47 ug/l
 RT: 13.41 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.7	21.0	63.0
148	63.8	31.9	95.9





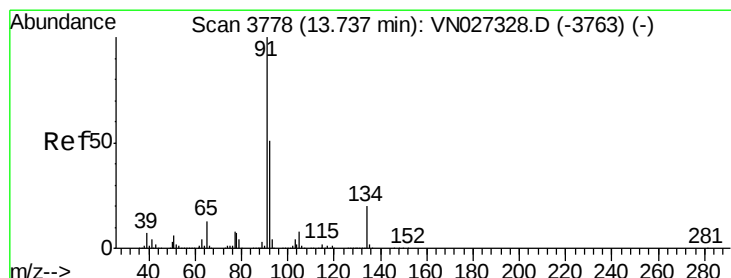
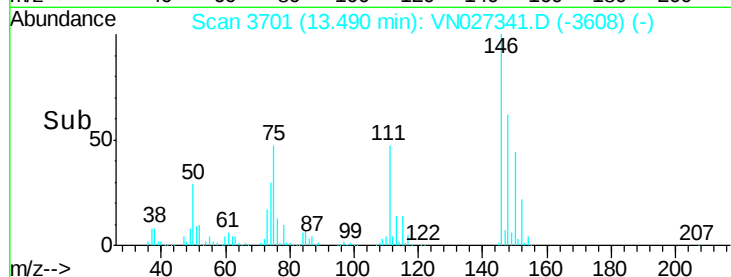
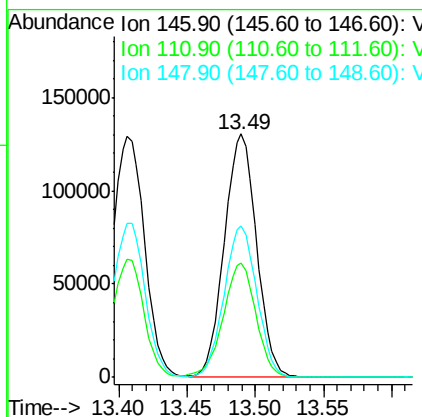
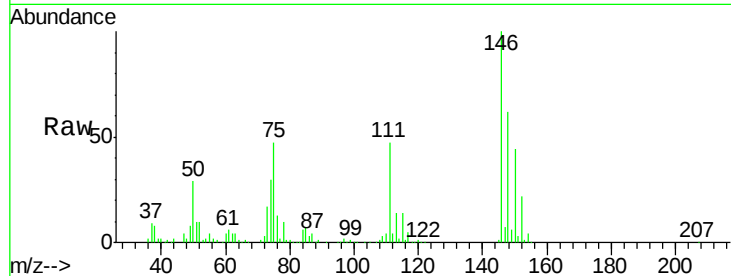
#89
 1,4-Dichlorobenzene
 Concen: 19.31 ug/l
 RT: 13.49 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0921WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.6	19.9	59.6
148	63.3	31.7	95.1

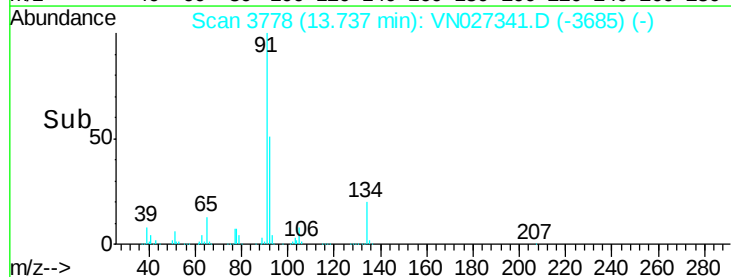
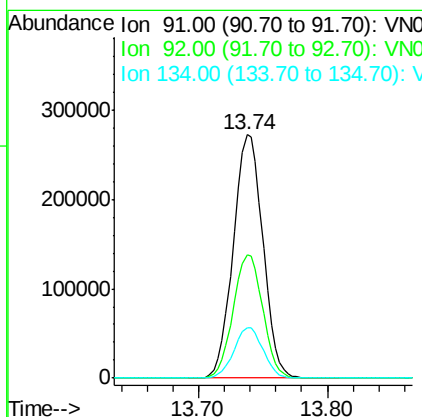
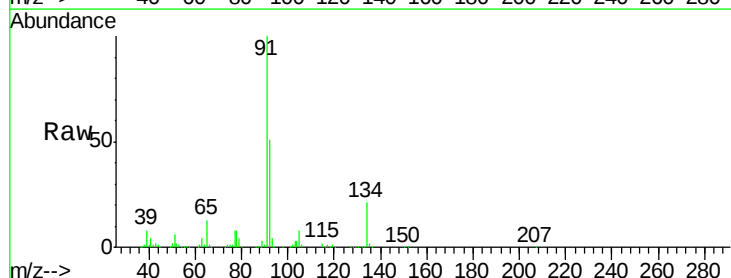
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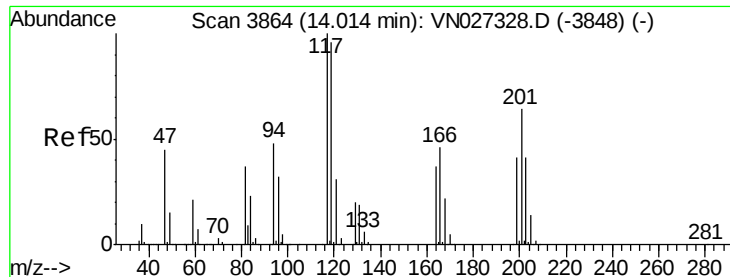
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#90
 n-Butylbenzene
 Concen: 18.46 ug/l
 RT: 13.74 min Scan# 3778
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.8	26.1	78.2
134	20.4	11.1	33.1





#91

Hexachloroethane

Concen: 18.33 ug/l

RT: 14.01 min Scan# 3864

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampled :

VN0921WBSD01

Tot Ion:117 Resp: 92433

Ion Ratio Lower Upper

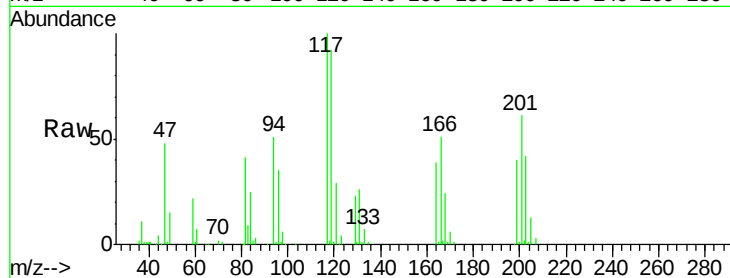
117 100

201 62.1 34.9 104.7

Manual Integrations
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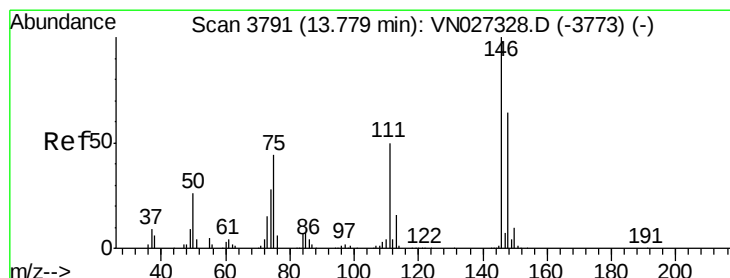
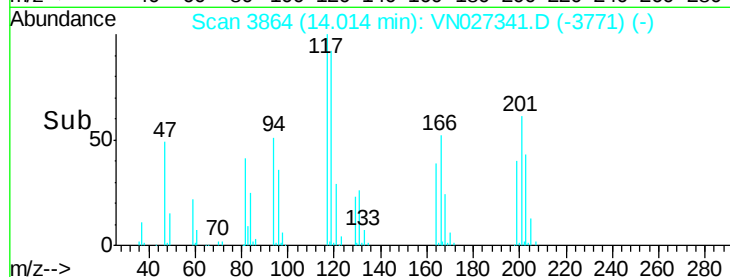
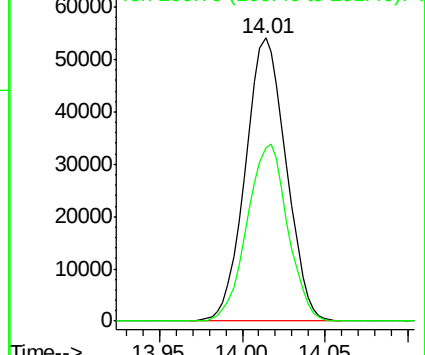
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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dichlorobenzene

Concen: 20.01 ug/l

RT: 13.78 min Scan# 3791

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

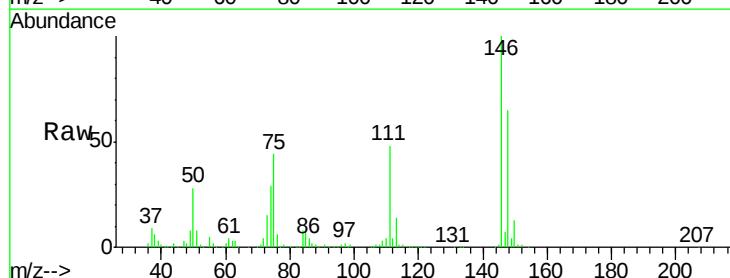
Tgt Ion:146 Resp: 218649

Ion Ratio Lower Upper

146 100

111 48.6 22.1 66.3

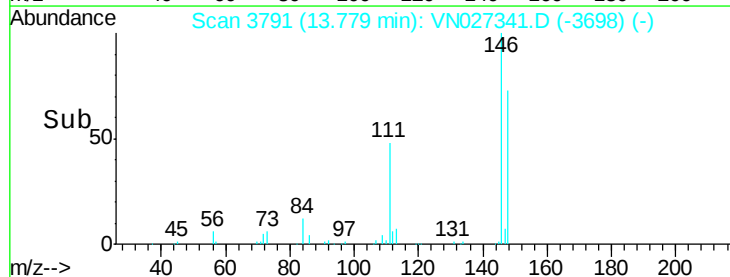
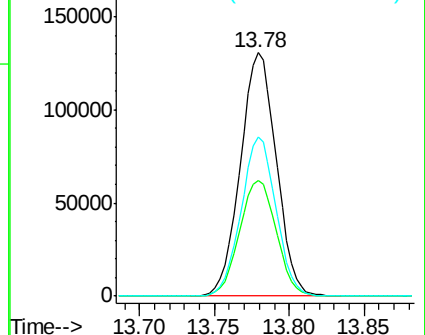
148 63.2 32.0 96.0

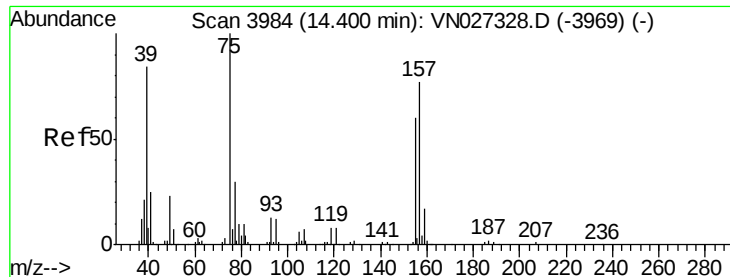


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#93

1,2-Dibromo-3-Chloropropane

Concen: 19.26 ug/l

RT: 14.40 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

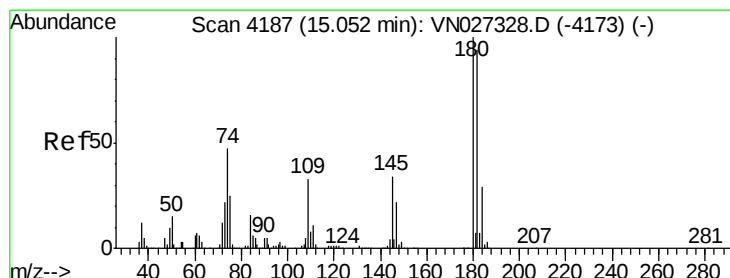
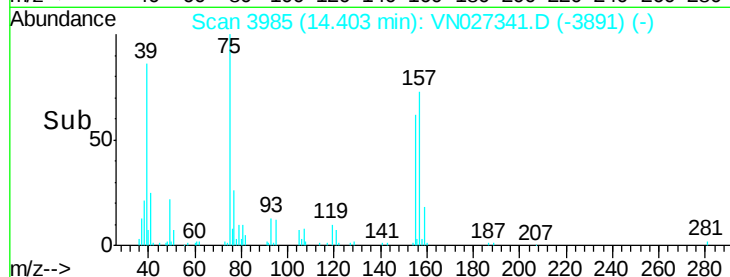
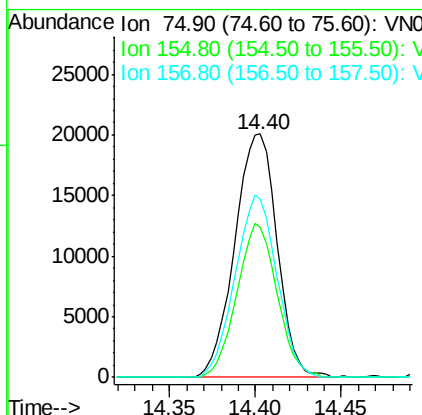
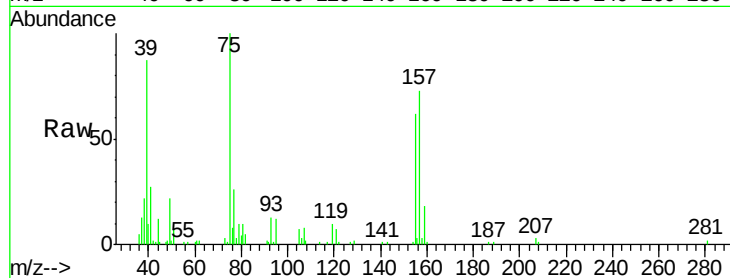
ClientSampleId :

VN0921WBSD01

Tot Ion:	75	Resp:	34421
Ion	Ratio	Lower	Upper
75	100		
155	59.8	35.6	106.9
157	73.8	44.6	133.8

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#94

1,2,4-Trichlorobenzene

Concen: 19.29 ug/l

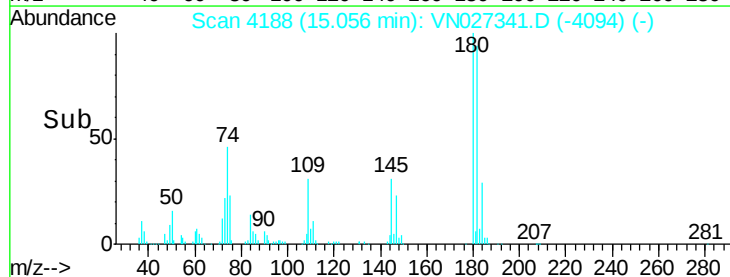
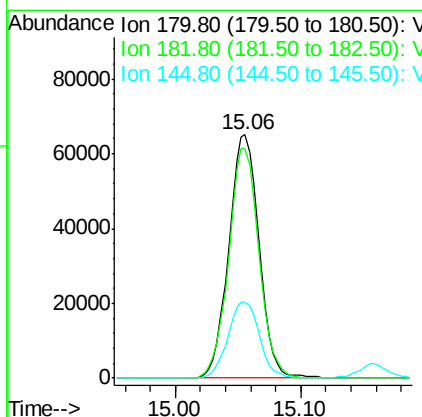
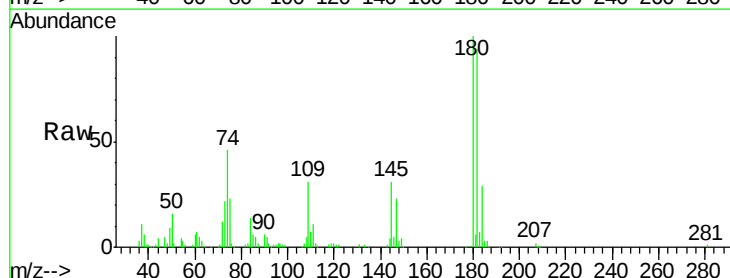
RT: 15.06 min Scan# 4188

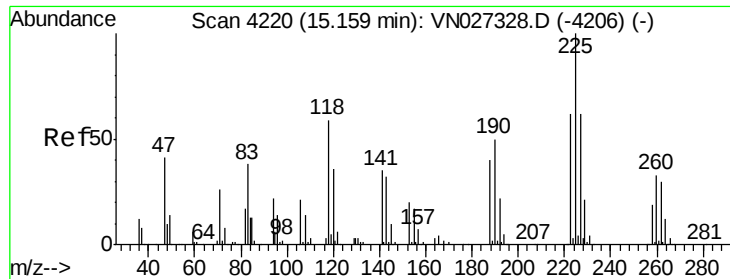
Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Tgt Ion:	180	Resp:	108946
Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.5	142.5
145	32.6	15.1	45.3





#95

Hexachlorobutadiene

Concen: 18.77 ug/l

RT: 15.16 min Scan# 4220

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

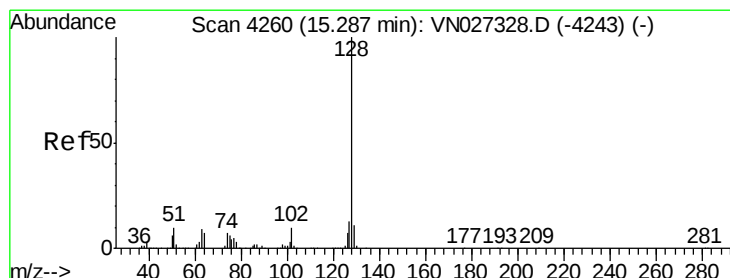
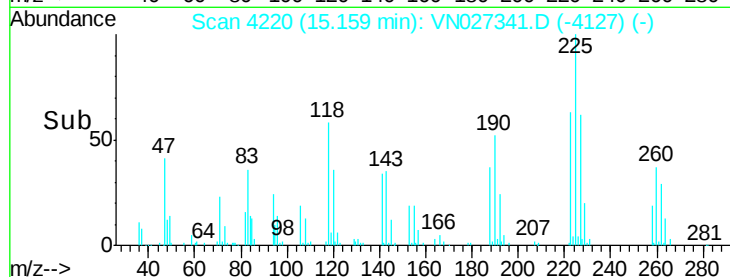
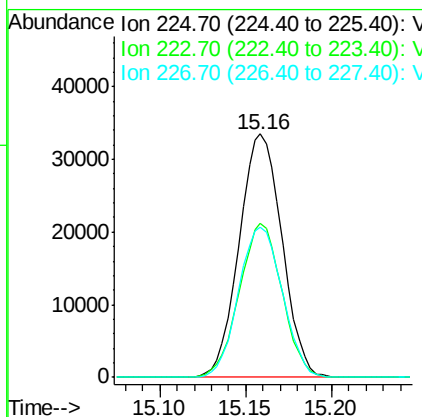
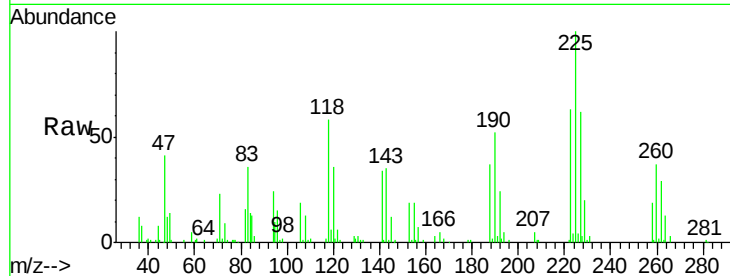
ClientSampleId :

VN0921WBSD01

Tot Ion:	225	Resp:	58074
Ion Ratio	Lower	Upper	
225	100		
223	62.9	30.8	92.3
227	63.0	31.7	95.1

Manual Integrations
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#96

Naphthalene

Concen: 19.54 ug/l

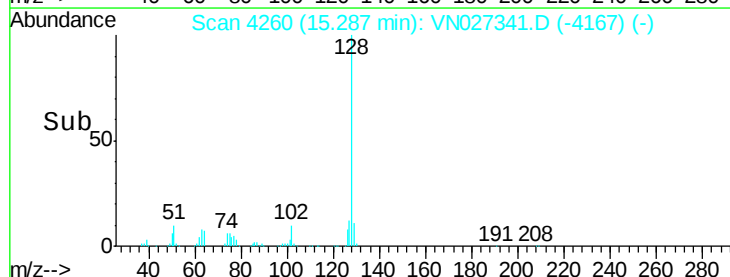
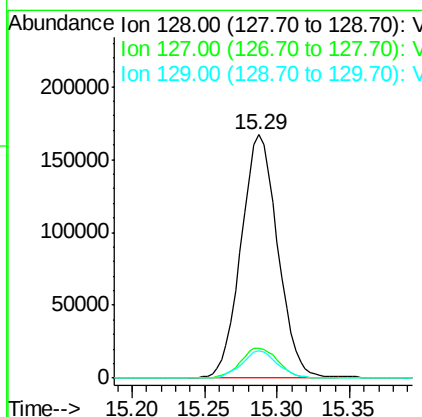
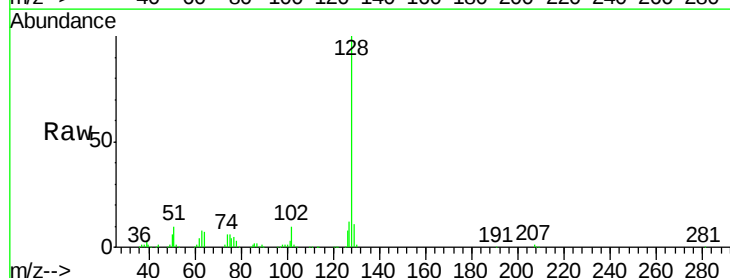
RT: 15.29 min Scan# 4260

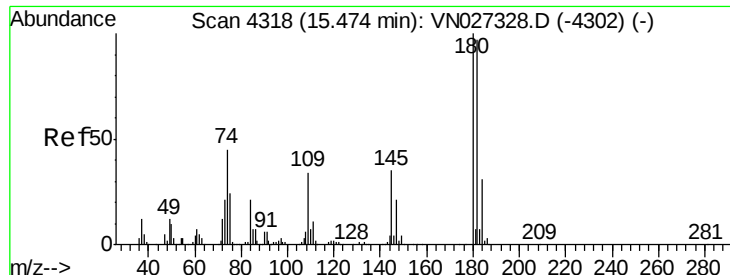
Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Tgt Ion:	128	Resp:	294489
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.4	15.6
129	10.8	8.6	12.8





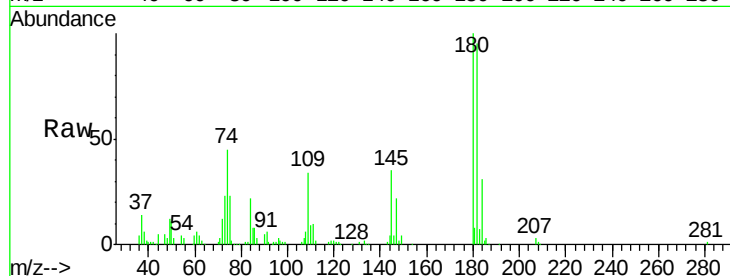
#97
 1,2,3-Trichlorobenzene
 Concen: 19.39 ug/l
 RT: 15.47 min Scan# 4318
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	93.9	48.8	146.4
145	34.6	16.6	49.8

Manual Integrations
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Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

