

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN092115\
 Data File : VN027347.D
 Acq On : 21 Sep 2015 23:44
 Operator : MD\FY
 Sample : VN0921WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:29:02 PM

Quant Time: Sep 22 03:55:20 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	534193	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1025084	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	872515	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	328569	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	510873	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
36) Dibromofluoromethane	7.68	113	316730	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
51) Toluene-d8	10.19	98	1209374	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	
63) 4-Bromofluorobenzene	12.52	95	423042	45.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	111423	20.10	ug/l	100
3) Chlorodifluoromethane	1.82	51	134119	19.10	ug/l	93
4) Chloromethane	2.01	50	123655	19.47	ug/l	97
5) Vinyl Chloride	2.14	62	144468	20.39	ug/l	98
6) Bromomethane	2.54	94	60861	21.09	ug/l	95
7) Chloroethane	2.69	64	90496	20.09	ug/l	97
8) Trichlorofluoromethane	3.02	101	215735	20.96	ug/l	98
9) Diethyl Ether	3.42	74	98048	21.44	ug/l	83
10) 1,1,2-Trichlorotrifluoroet	3.79	101	129187	19.80	ug/l	96
11) Methyl Iodide	3.99	142	96116	20.46	ug/l #	90
12) Tert butyl alcohol	4.80	59	96025	115.11	ug/l	97
13) 1,1-Dichloroethene	3.77	96	124142	20.35	ug/l	93
14) Acrolein	3.62	56	92027	85.09	ug/l	97
15) Allyl chloride	4.37	41	229098	19.25	ug/l #	78
16) Acrylonitrile	5.03	53	315597	104.19	ug/l	100
17) Acetone	3.83	43	266241	93.58	ug/l	97
18) Carbon Disulfide	4.11	76	357805	19.59	ug/l	99
19) Methyl Acetate	4.36	43	400999	22.72	ug/l	96
20) Methyl tert-butyl Ether	5.12	73	511816	21.02	ug/l	98
21) Methylene Chloride	4.60	84	162733	21.48	ug/l	93
22) trans-1,2-Dichloroethene	5.13	96	135131	20.15	ug/l	95
23) Diisopropyl ether	6.04	45	533835	20.63	ug/l #	87
24) Vinyl Acetate	5.98	43	847997	103.30	ug/l	98
25) 1,1-Dichloroethane	5.93	63	313304	20.78	ug/l	99
26) 2-Butanone	6.92	43	397721	106.75	ug/l	97
27) 2,2-Dichloropropane	6.92	77	233356	17.96	ug/l	96
28) cis-1,2-Dichloroethene	6.92	96	160348	20.24	ug/l	96
29) Bromochloromethane	7.29	49	128075	21.65	ug/l	98
30) Tetrahydrofuran	7.32	42	262256	111.05	ug/l	89
31) Chloroform	7.46	83	294734	20.81	ug/l	98
32) Cyclohexane	7.77	56	287666	20.53	ug/l #	91
33) 1,1,1-Trichloroethane	7.67	97	256937	20.47	ug/l	97
37) 1,1-Dichloropropene	7.89	75	216438	19.59	ug/l	97
38) Ethyl Acetate	7.02	43	182129	21.35	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.89	117	202224	19.45	ug/l	96
40) Methylcyclohexane	9.19	83	250282	19.07	ug/l	95
41) Benzene	8.14	78	644762	20.11	ug/l	99
42) Methacrylonitrile	7.25	41	101405	20.14	ug/l #	89
43) 1,2-Dichloroethane	8.22	62	257736	19.72	ug/l	97
44) Isopropyl Acetate	8.25	43	330454	20.27	ug/l	98
45) Trichloroethene	8.94	130	128695	20.03	ug/l	94
46) 1,2-Dichloropropane	9.22	63	183676	20.47	ug/l	96
47) Dibromomethane	9.31	93	107927	20.04	ug/l	93
48) Bromodichloromethane	9.49	83	226485	19.83	ug/l	99
49) Methyl methacrylate	9.29	41	159143	20.74	ug/l #	84
50) 1,4-Dioxane	9.30	88	40943	442.06	ug/l	93
52) 4-Methyl-2-Pentanone	10.07	43	899462	107.25	ug/l	98
53) Toluene	10.26	92	375941	19.82	ug/l	98
54) t-1,3-Dichloropropene	10.47	75	230739	18.92	ug/l	99
55) cis-1,3-Dichloropropene	9.93	75	257016	19.19	ug/l	93
56) 1,1,2-Trichloroethane	10.66	97	144622	20.45	ug/l	99
57) Ethyl methacrylate	10.52	69	226617	20.19	ug/l #	88
58) 1,3-Dichloropropane	10.81	76	263920	20.24	ug/l	98
59) 2-Chloroethyl Vinyl ether	9.78	63	512080	102.93	ug/l	97
60) 2-Hexanone	10.84	43	601237	105.49	ug/l	99
61) Dibromochloromethane	11.00	129	139198	20.09	ug/l	98
62) 1,2-Dibromoethane	11.11	107	137918	20.50	ug/l	98
65) Tetrachloroethene	10.74	164	103885	20.00	ug/l	96
66) Chlorobenzene	11.54	112	372184	19.90	ug/l	100
67) 1,1,1,2-Tetrachloroethane	11.62	131	125430	19.98	ug/l	98
68) Ethyl Benzene	11.62	91	705525	19.99	ug/l	100
69) m/p-Xylenes	11.73	106	485043	39.65	ug/l	90
70) o-Xylene	12.06	106	245396	19.85	ug/l	91
71) Styrene	12.08	104	389444	19.79	ug/l	94
72) Bromoform	12.24	173	80144	19.03	ug/l #	99
74) Isopropylbenzene	12.36	105	654641	19.89	ug/l	100
75) N-amyl acetate	12.17	43	271530	20.79	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	191206	20.64	ug/l	99
77) 1,2,3-Trichloropropane	12.66	75	170388m	20.66	ug/l	
78) Bromobenzene	12.64	156	128394	19.93	ug/l	93
79) n-propylbenzene	12.71	91	764180	19.47	ug/l	98
80) 2-Chlorotoluene	12.79	91	474417	19.77	ug/l	94
81) 1,3,5-Trimethylbenzene	12.85	105	522466	19.64	ug/l	95
82) trans-1,4-Dichloro-2-buten	12.40	75	58554	18.20	ug/l	93
83) 4-Chlorotoluene	12.89	91	459346	19.61	ug/l	95
84) tert-Butylbenzene	13.11	119	431790	20.13	ug/l	89
85) 1,2,4-Trimethylbenzene	13.16	105	524031	19.80	ug/l	95
86) sec-Butylbenzene	13.29	105	636952	19.93	ug/l	99
87) p-Isopropyltoluene	13.41	119	468406	19.55	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	223476	20.11	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	219367	19.50	ug/l	94
90) n-Butylbenzene	13.74	91	453885	18.97	ug/l	98
91) Hexachloroethane	14.01	117	92758	18.11	ug/l	94
92) 1,2-Dichlorobenzene	13.78	146	226550	20.40	ug/l	97

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Manual Integrations
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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)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	36254	19.97	ug/l	83
94) 1,2,4-Trichlorobenzene	15.05	180	113823	19.84	ug/l	98
95) Hexachlorobutadiene	15.16	225	59579	18.95	ug/l	99
96) Naphthalene	15.29	128	320379	20.65	ug/l	99
97) 1,2,3-Trichlorobenzene	15.47	180	114233	19.98	ug/l	98

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

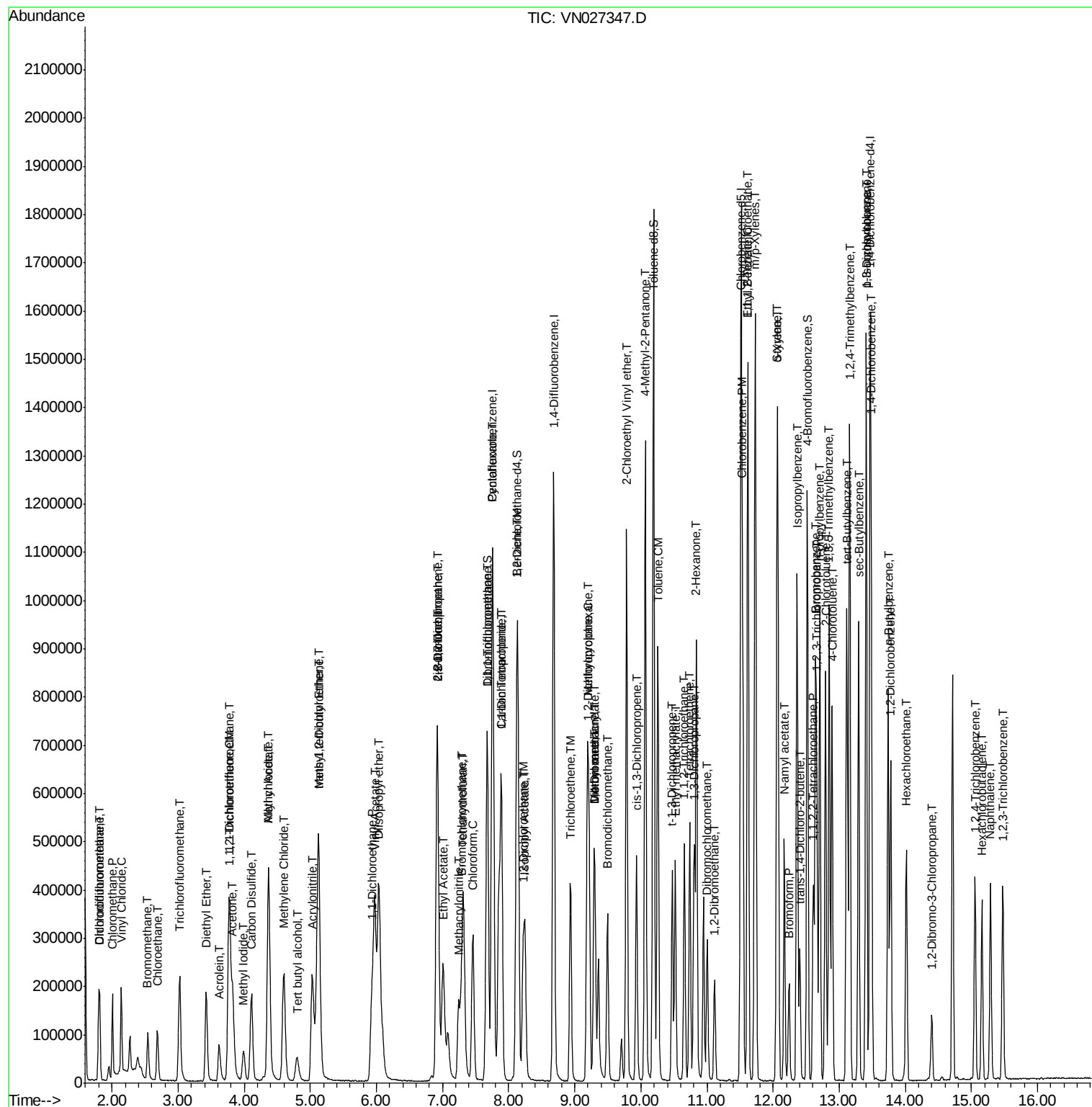
Data Path : W:\HPCHEM1\MSVOA N\DATA\VN092115\
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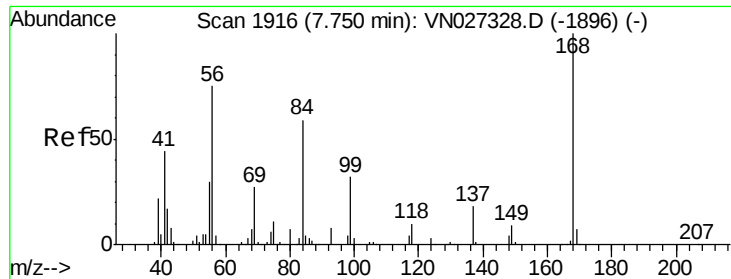
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VN027347.D

Acq: 21 Sep 2015 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD02

Tot Ion:168 Resp: 534193

Ion Ratio Lower Upper

168 100

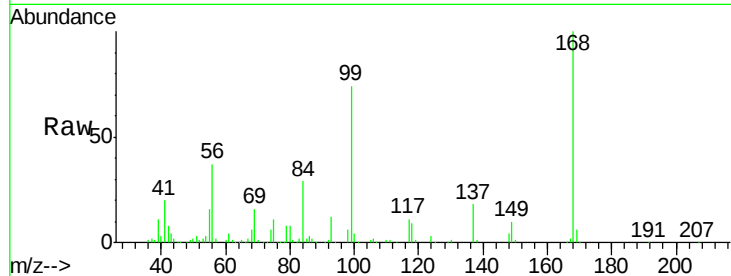
99 73.9 50.4 75.6

Manual Integrations

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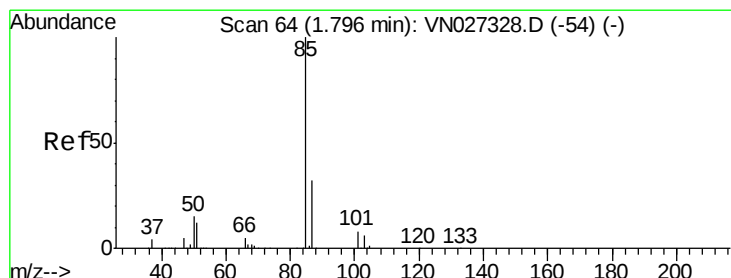
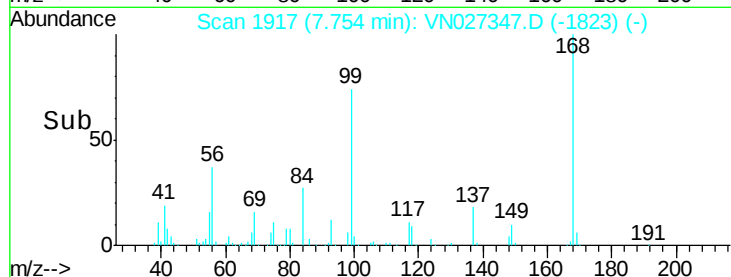
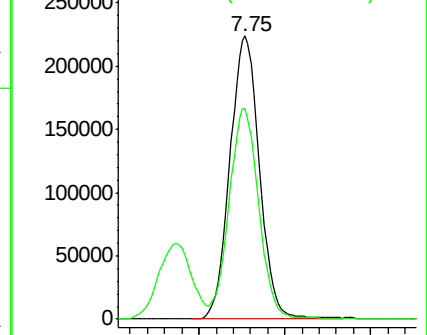
MMDadoda

9/22/2015 2:29:02 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.10 ug/l

RT: 1.80 min Scan# 65

Delta R.T. 0.00 min

Lab File: VN027347.D

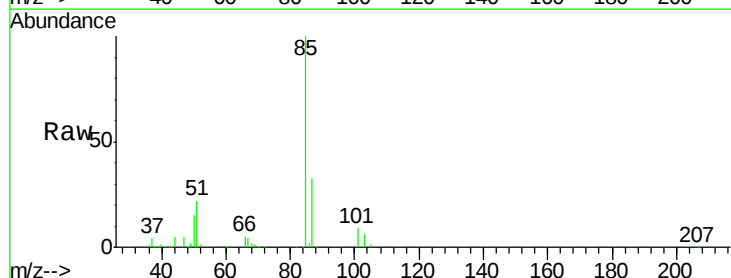
Acq: 21 Sep 2015 23:44

Tgt Ion: 85 Resp: 111423

Ion Ratio Lower Upper

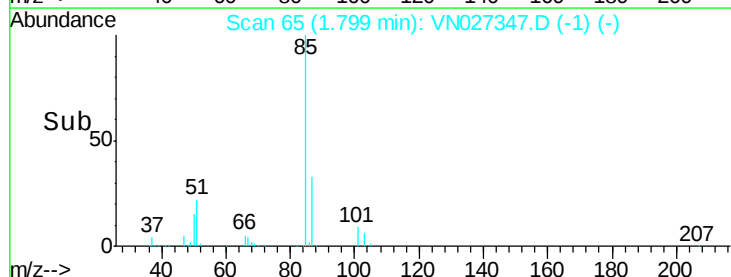
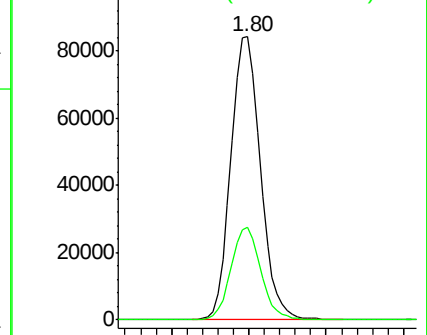
85 100

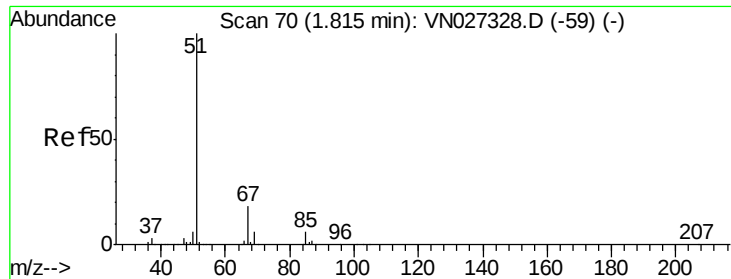
87 32.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chlorodifluoromethane

Concen: 19.10 ug/l

RT: 1.82 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN027347.D

Acq: 21 Sep 2015 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD02

Tot Ion: 51 Resp: 134119

Ion Ratio Lower Upper

51 100

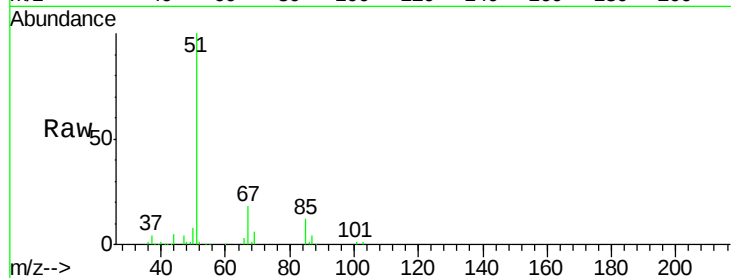
67 18.0 12.2 18.2

Manual Integrations

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Abundance Ion 51.00 (50.70 to 51.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

120000

100000

80000

60000

40000

20000

0

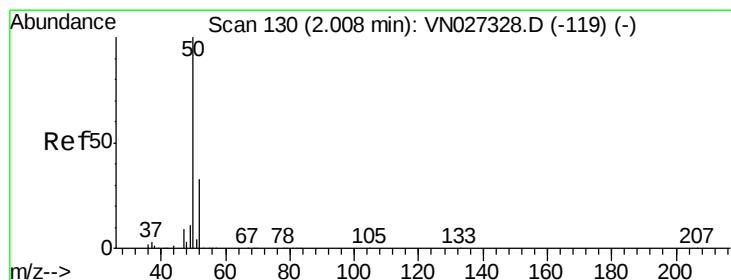
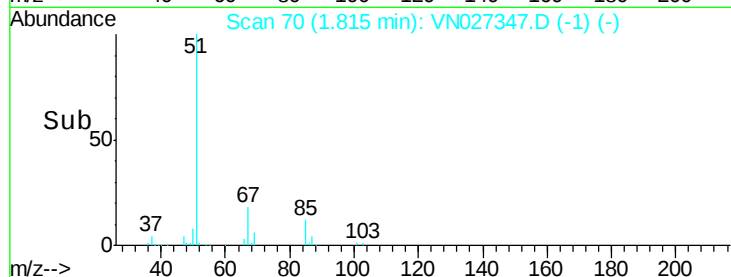
1.75

1.80

1.85

1.90

Time-->



#4

Chloromethane

Concen: 19.47 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027347.D

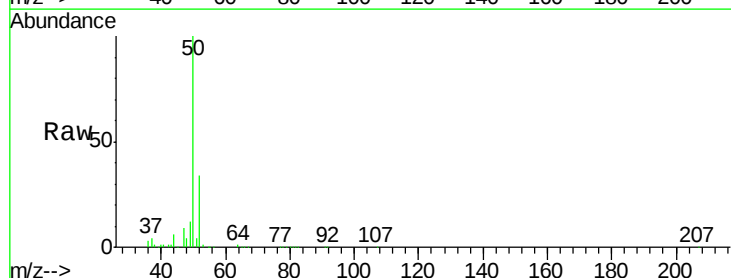
Acq: 21 Sep 2015 23:44

Tgt Ion: 50 Resp: 123655

Ion Ratio Lower Upper

50 100

52 33.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

120000

100000

80000

60000

40000

20000

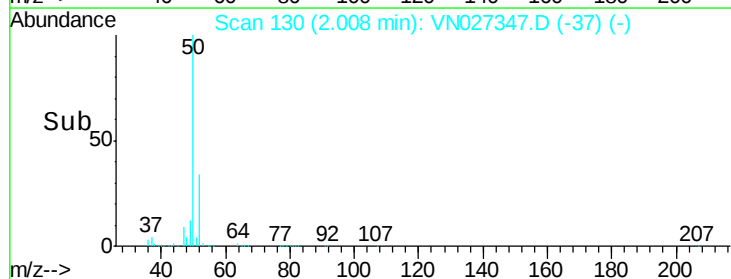
0

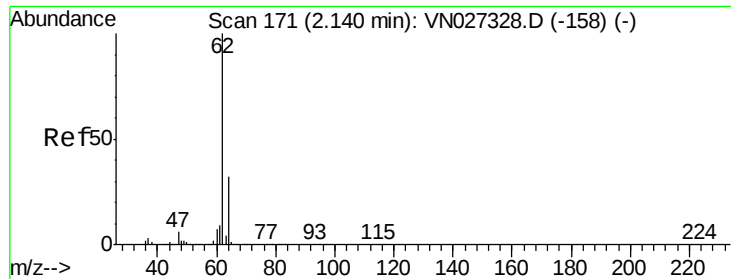
1.95

2.00

2.05

Time-->





#5

Vinyl Chloride

Concen: 20.39 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

Lab File: VN027347.D

Acq: 21 Sep 2015 23:44

Instrument :

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ClientSampleId :

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Tot Ion: 62 Resp: 144468

Ion Ratio Lower Upper

62 100

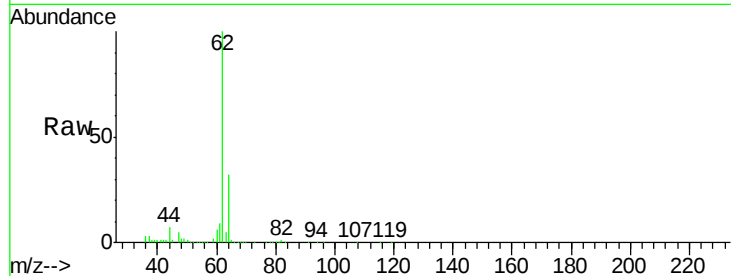
64 31.4 25.9 38.9

Manual Integrations

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Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.14

100000

80000

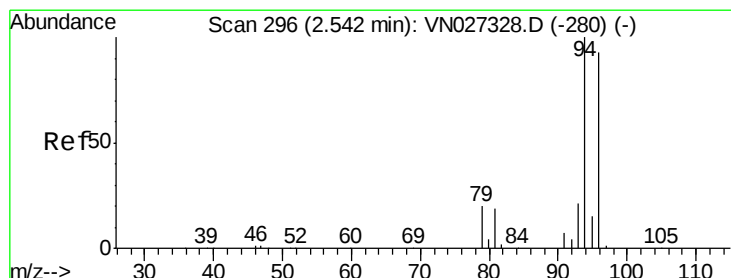
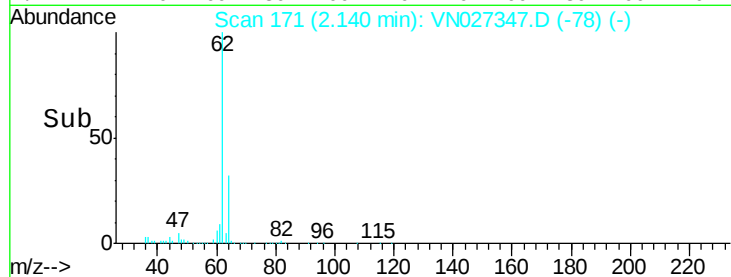
60000

40000

20000

0

Time--> 2.05 2.10 2.15 2.20



#6

Bromomethane

Concen: 21.09 ug/l

RT: 2.54 min Scan# 296

Delta R.T. 0.00 min

Lab File: VN027347.D

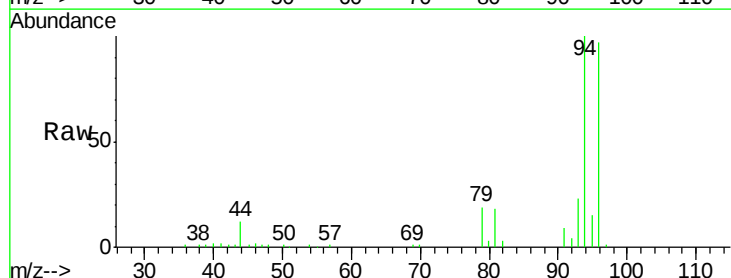
Acq: 21 Sep 2015 23:44

Tgt Ion: 94 Resp: 60861

Ion Ratio Lower Upper

94 100

96 96.9 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

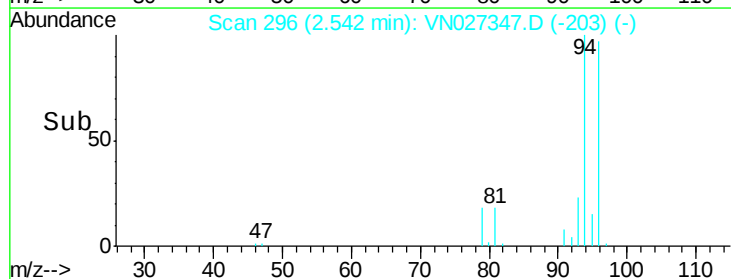
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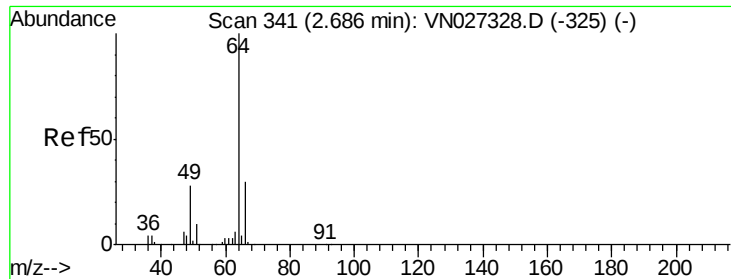
20000

10000

0

Time--> 2.45 2.50 2.55 2.60





#7

Chloroethane

Concen: 20.09 ug/l

RT: 2.69 min Scan# 341

Delta R.T. 0.00 min

Lab File: VN027347.D

Acq: 21 Sep 2015 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD02

Tot Ion: 64 Resp: 90496

Ion Ratio Lower Upper

64 100

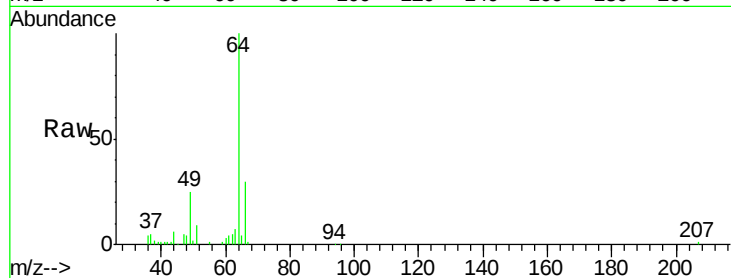
66 30.2 25.5 38.3

Manual Integrations

APPROVED

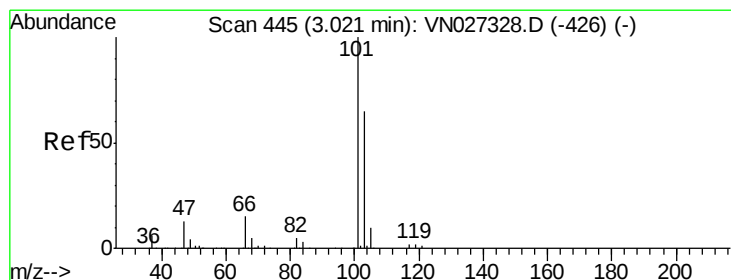
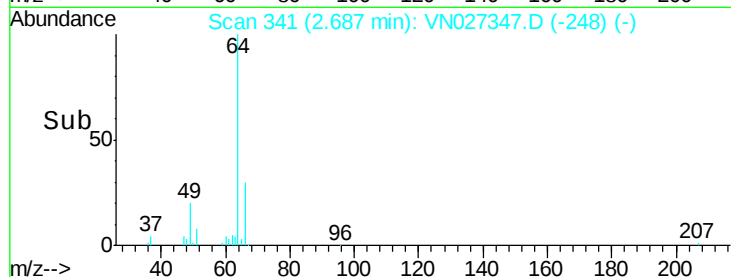
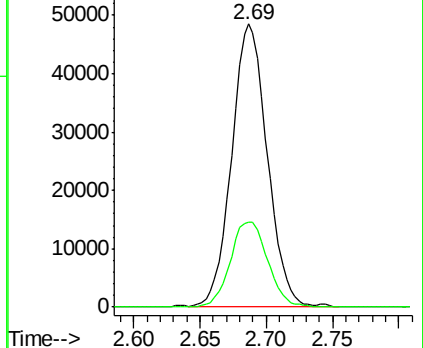
MMDadoda

9/22/2015 2:29:02 PM



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



#8

Trichlorofluoromethane

Concen: 20.96 ug/l

RT: 3.02 min Scan# 446

Delta R.T. 0.00 min

Lab File: VN027347.D

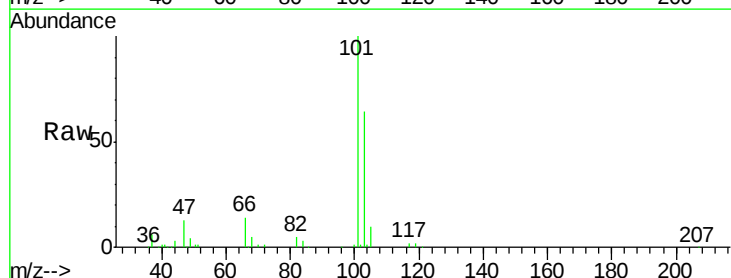
Acq: 21 Sep 2015 23:44

Tgt Ion:101 Resp: 215735

Ion Ratio Lower Upper

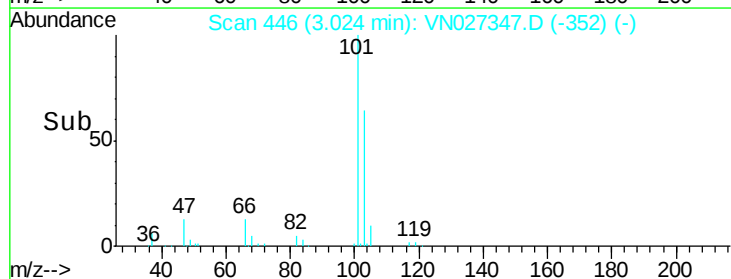
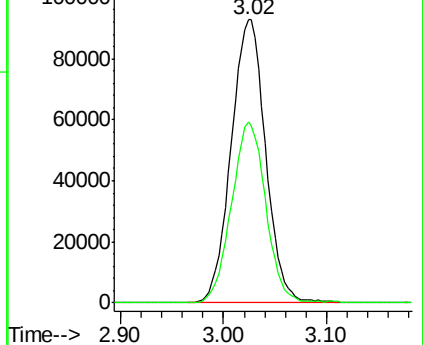
101 100

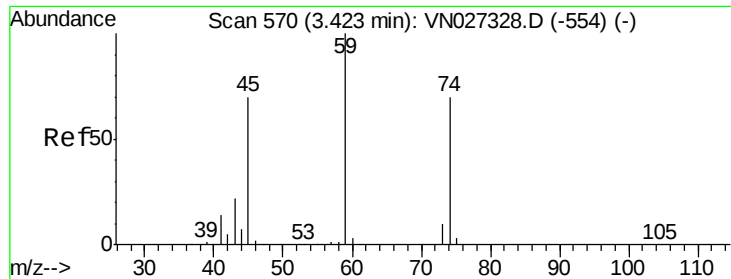
103 64.0 52.6 79.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#9

Diethyl Ether

Concen: 21.44 ug/l

RT: 3.42 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN027347.D

Acq: 21 Sep 2015 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD02

Tot Ion: 74 Resp: 98048

Ion Ratio Lower Upper

74 100

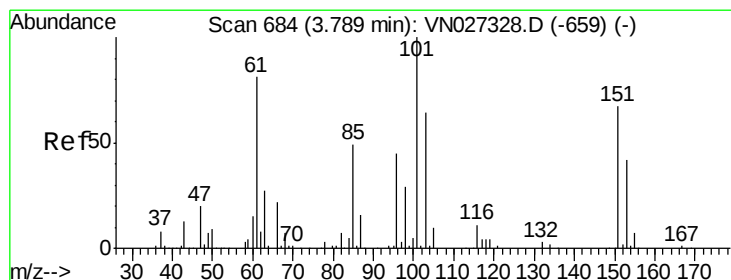
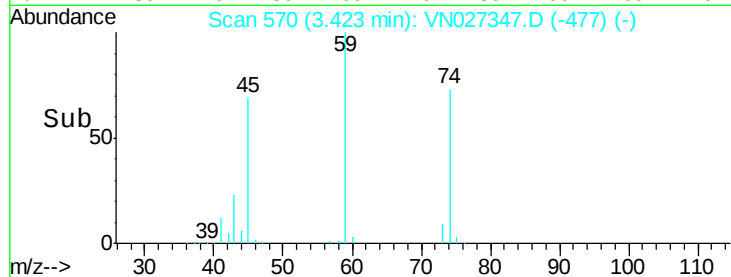
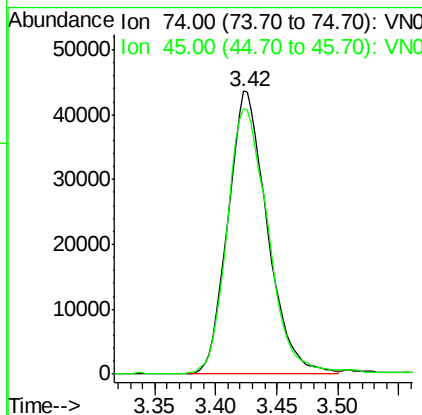
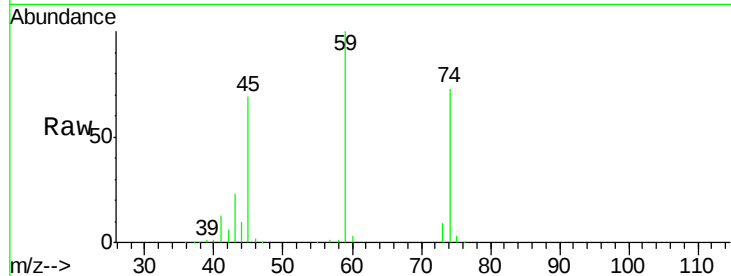
45 97.7 58.1 174.3

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#10

1,1,2-Trichlorotrifluoroethane

Concen: 19.80 ug/l

RT: 3.79 min Scan# 685

Delta R.T. 0.00 min

Lab File: VN027347.D

Acq: 21 Sep 2015 23:44

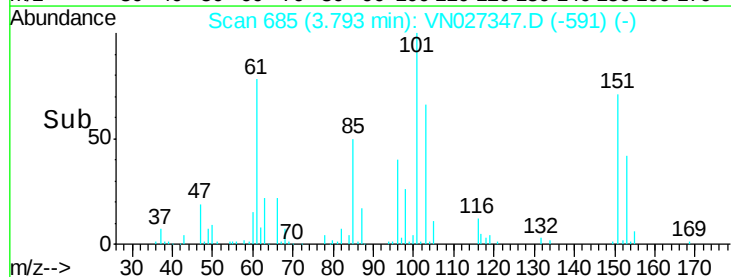
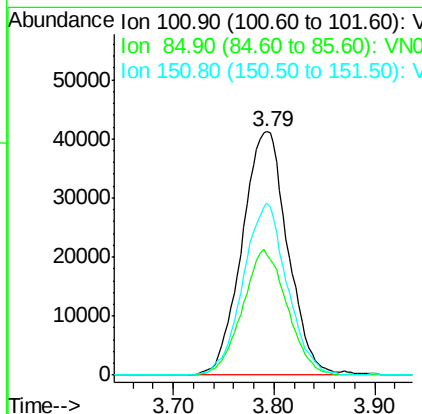
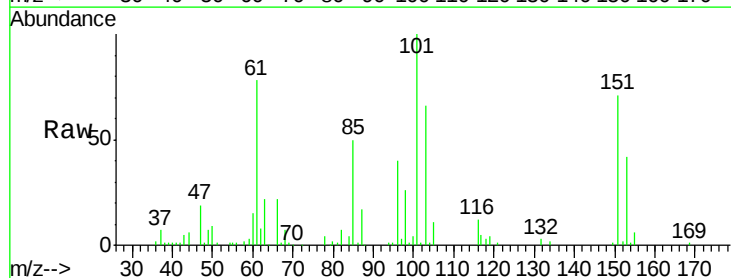
Tgt Ion: 101 Resp: 129187

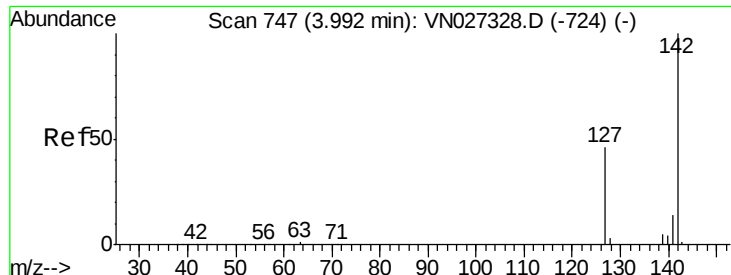
Ion Ratio Lower Upper

101 100

85 50.4 37.4 56.0

151 68.1 55.9 83.9





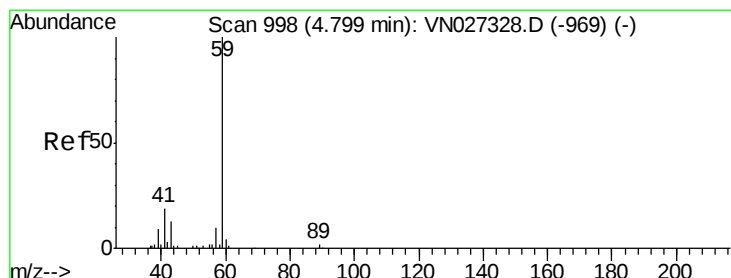
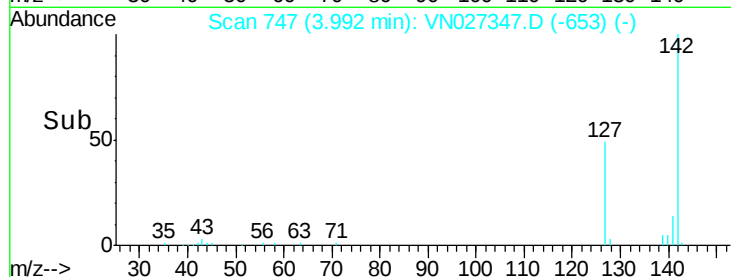
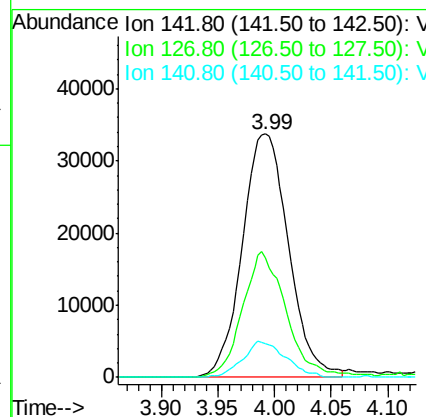
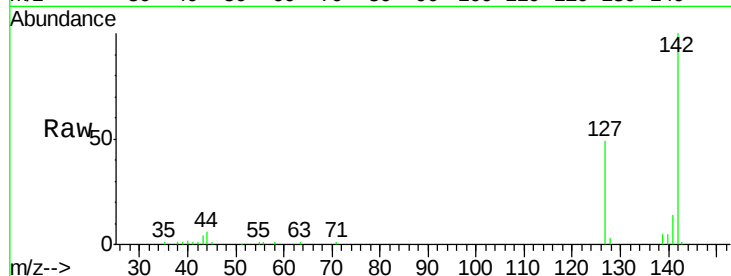
#11
Methvl Iodide
Concen: 20.46 ug/l
RT: 3.99 min Scan# 747
Delta R.T. 0.00 min
Lab File: VN027347.D
Acq: 21 Sep 2015 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion	Ratio	Lower	Upper
142	100		
127	49.0	32.3	48.5#
141	13.7	11.2	16.8

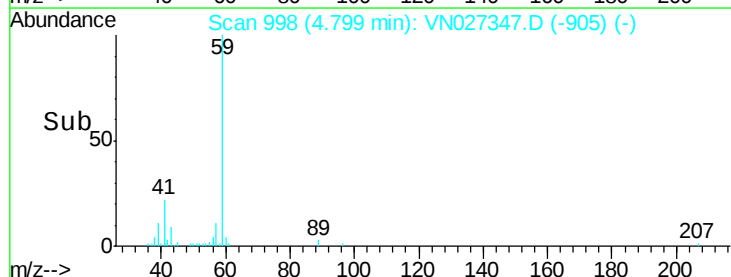
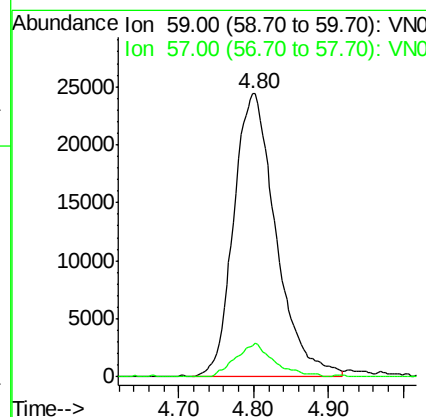
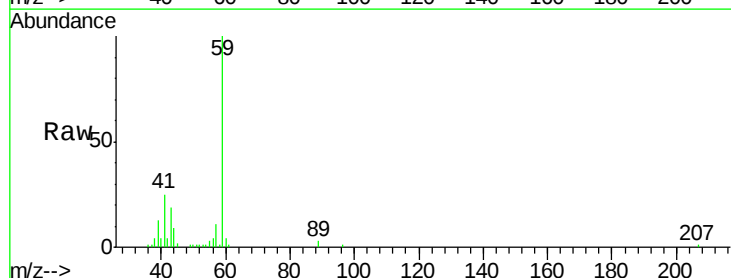
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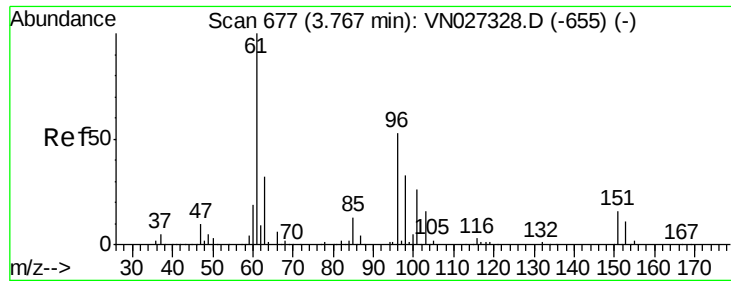
MMDadoda
9/22/2015 2:29:02 PM



#12
Tert butyl alcohol
Concen: 115.11 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN027347.D
Acq: 21 Sep 2015 23:44

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.6	7.6	11.4





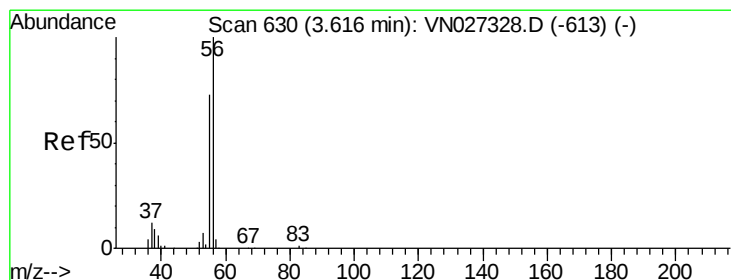
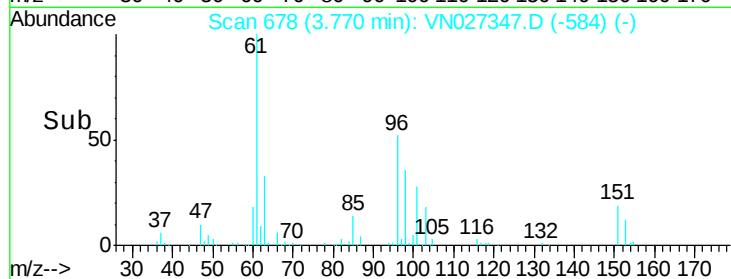
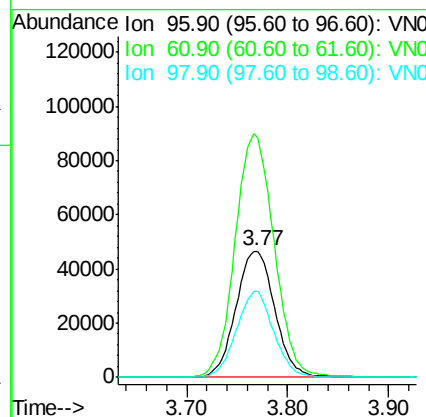
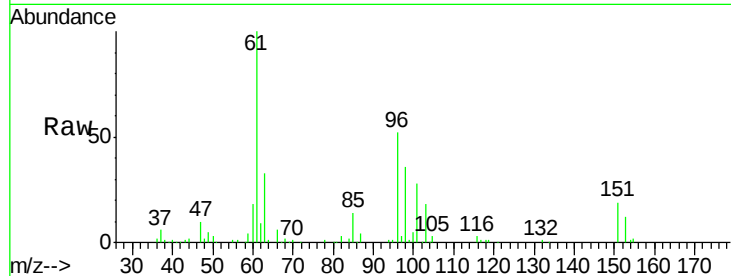
#13
 1,1-Dichloroethene
 Concen: 20.35 ug/l
 RT: 3.77 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN027347.D
 Acq: 21 Sep 2015 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	190.3	143.8	215.8
98	68.9	50.3	75.5

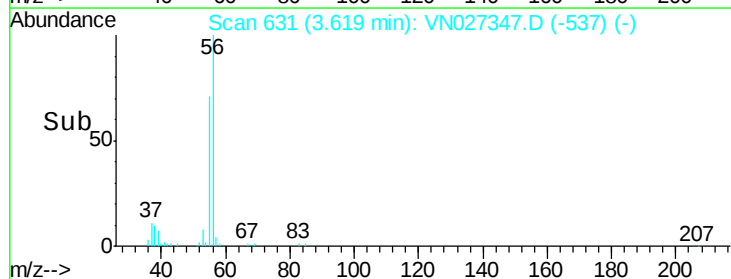
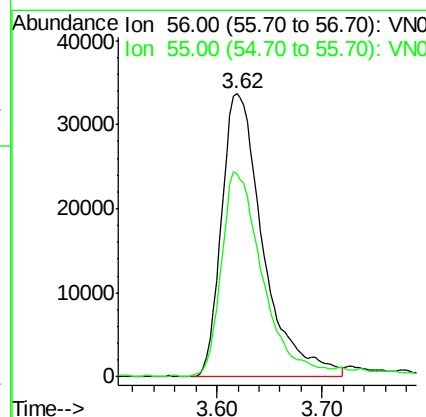
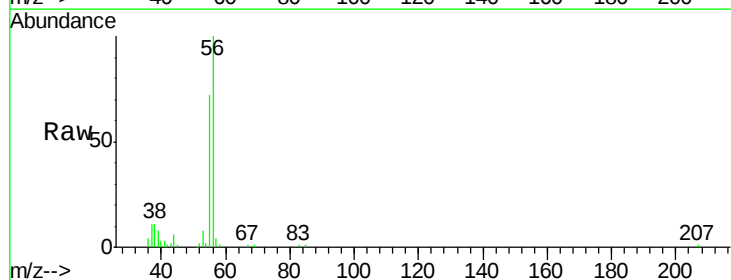
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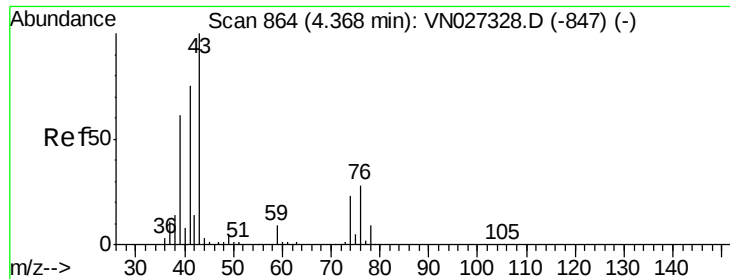
MMDadoda
 9/22/2015 2:29:02 PM



#14
 Acrolein
 Concen: 85.09 ug/l
 RT: 3.62 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VN027347.D
 Acq: 21 Sep 2015 23:44

Tgt Ion	Ratio	Lower	Upper
56	100		
55	71.7	55.7	83.5





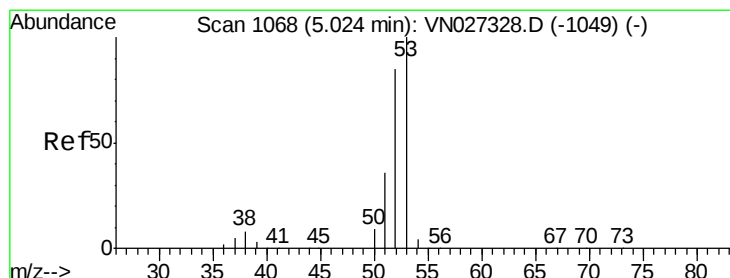
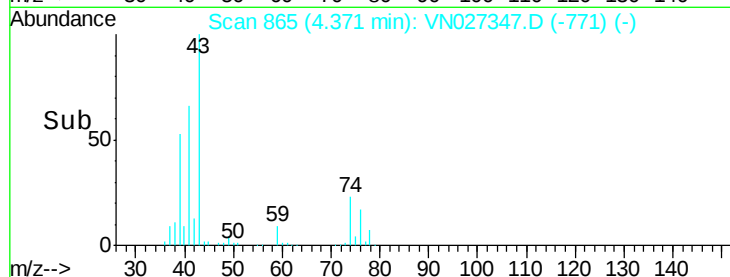
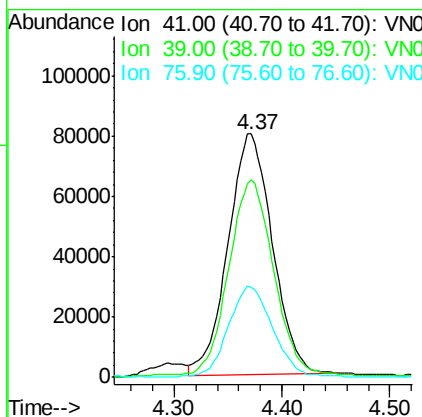
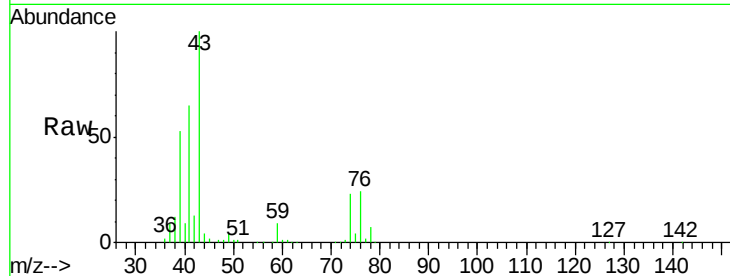
#15
Allvl chloride
Concen: 19.25 ug/l
RT: 4.37 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN027347.D
Acq: 21 Sep 2015 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	82.9	49.7	74.5#
76	37.2	24.8	37.2#

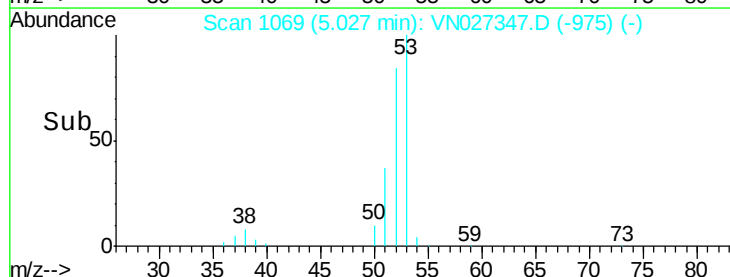
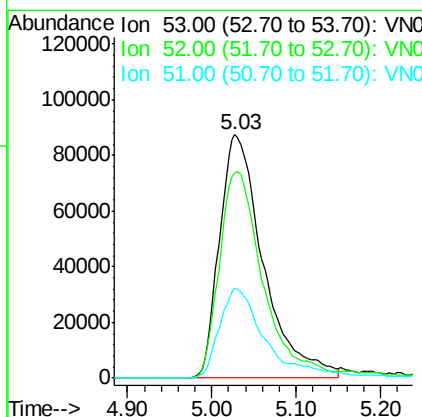
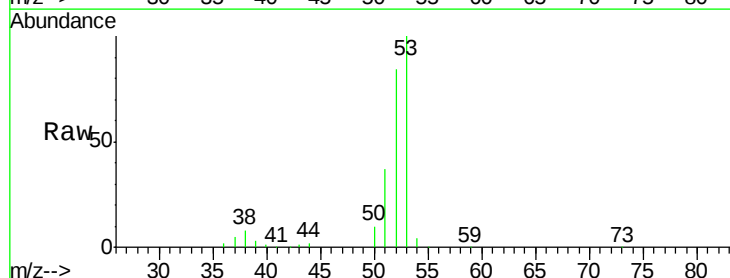
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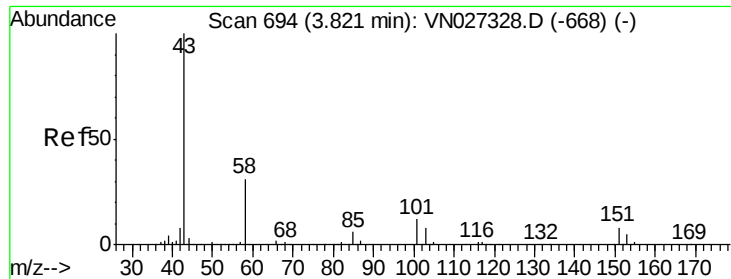
MMDadoda
9/22/2015 2:29:02 PM



#16
Acrylonitrile
Concen: 104.19 ug/l
RT: 5.03 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VN027347.D
Acq: 21 Sep 2015 23:44

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.9	100.3
51	34.1	27.4	41.0





#17

Acetone

Concen: 93.58 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN027347.D

Acq: 21 Sep 2015 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD02

Tot Ion: 43 Resp: 266241

Ion Ratio Lower Upper

43 100

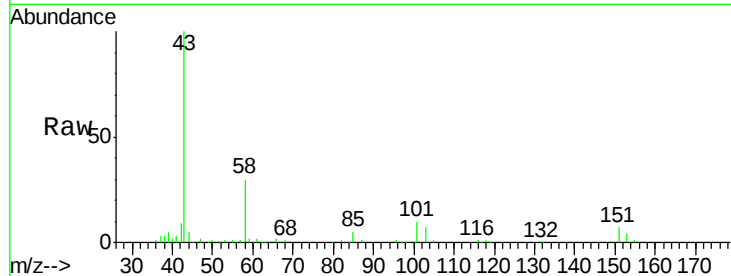
58 30.1 25.4 38.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.83

80000

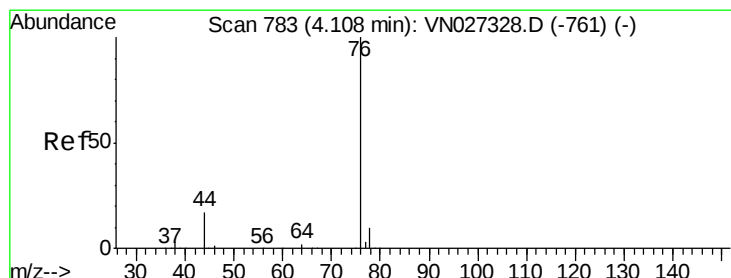
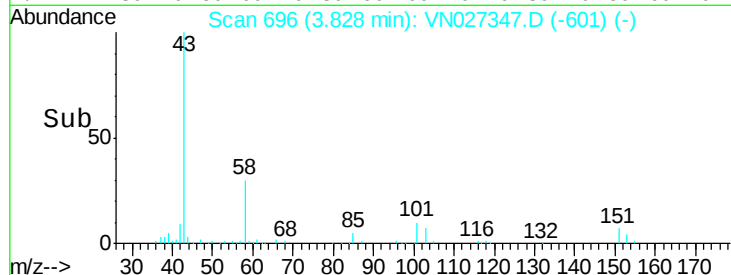
60000

40000

20000

0

Time-->



#18

Carbon Disulfide

Concen: 19.59 ug/l

RT: 4.11 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN027347.D

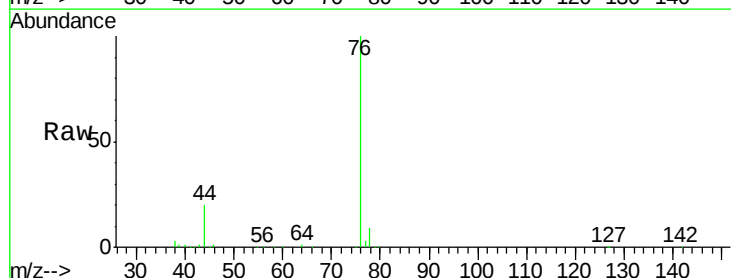
Acq: 21 Sep 2015 23:44

Tgt Ion: 76 Resp: 357805

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.11

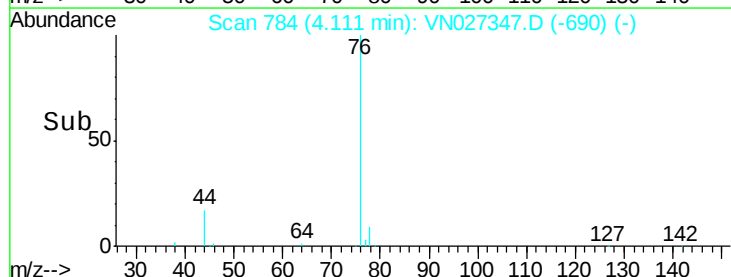
150000

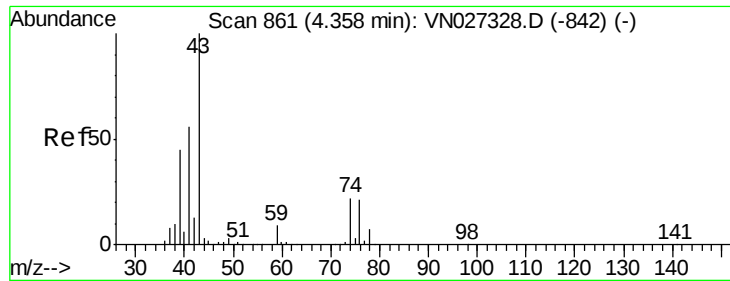
100000

50000

0

Time-->





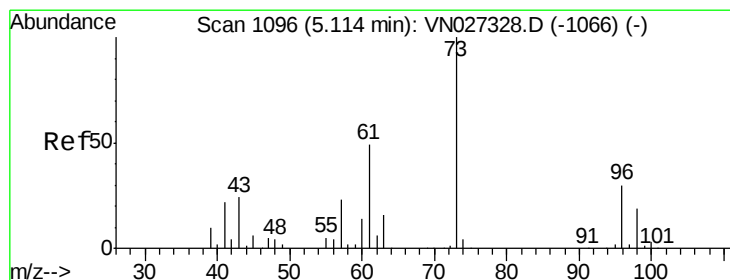
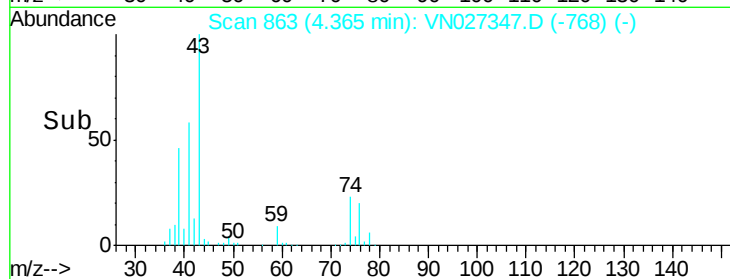
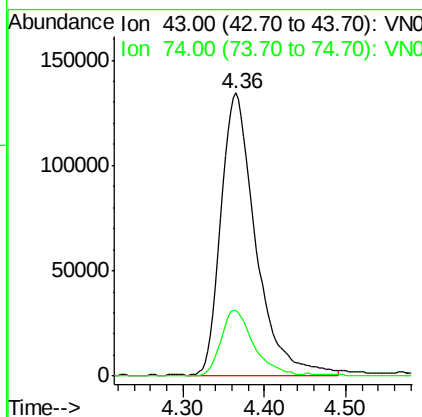
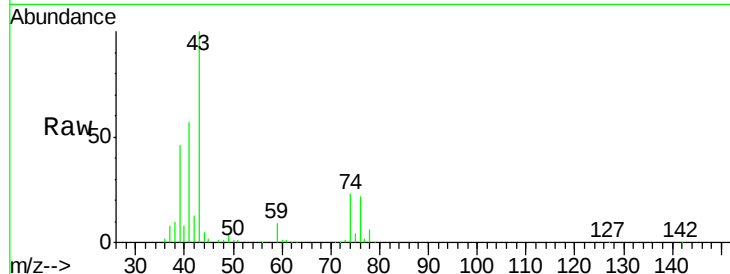
#19
Methvl Acetate
Concen: 22.72 ug/l
RT: 4.36 min Scan# 863
Delta R.T. 0.01 min
Lab File: VN027347.D
Acq: 21 Sep 2015 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion	43	Resp	400999
Ion Ratio	100	Lower	Upper
74	22.2	16.2	24.2

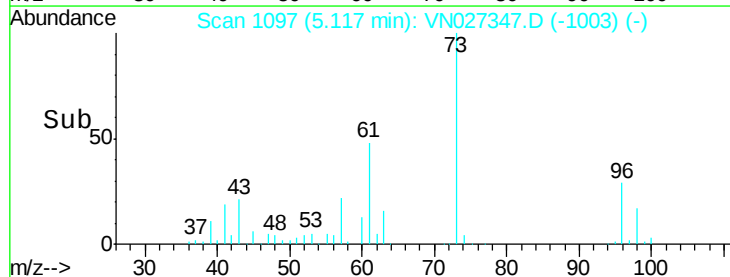
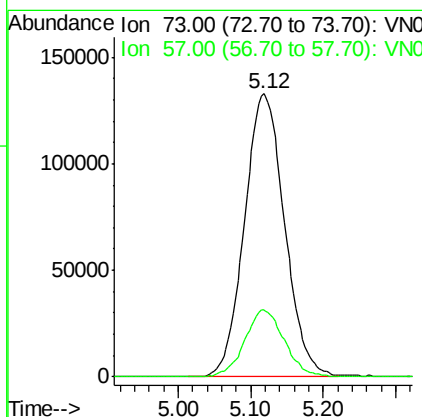
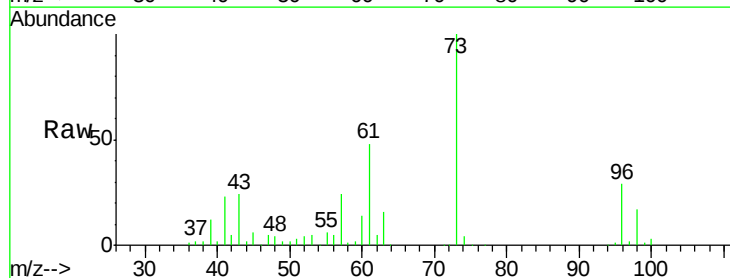
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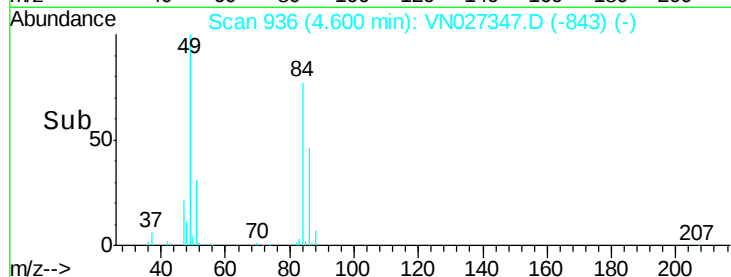
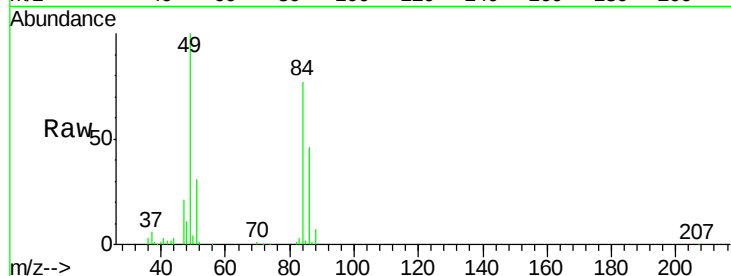
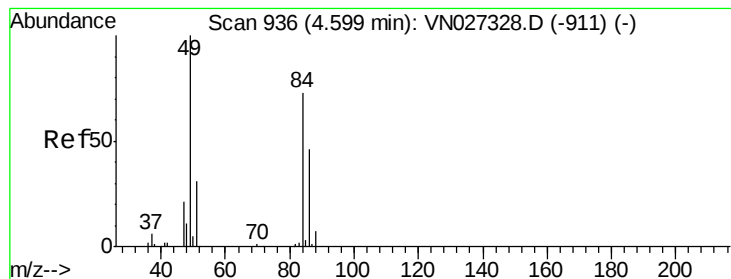
MMDadoda
9/22/2015 2:29:02 PM



#20
Methyl tert-butyl Ether
Concen: 21.02 ug/l
RT: 5.12 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VN027347.D
Acq: 21 Sep 2015 23:44

Tgt Ion	73	Resp	511816
Ion Ratio	100	Lower	Upper
57	23.7	19.8	29.6





#21

Methylene Chloride

Concen: 21.48 ug/l

RT: 4.60 min Scan# 936

Delta R.T. 0.00 min

Lab File: VN027347.D

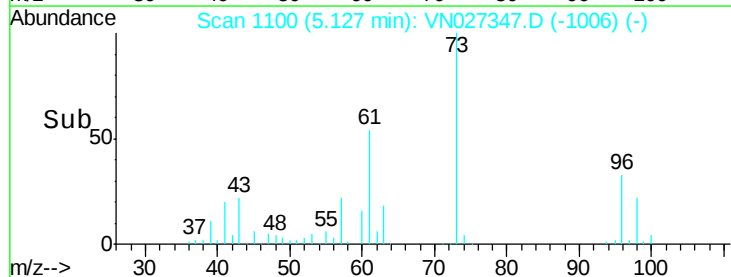
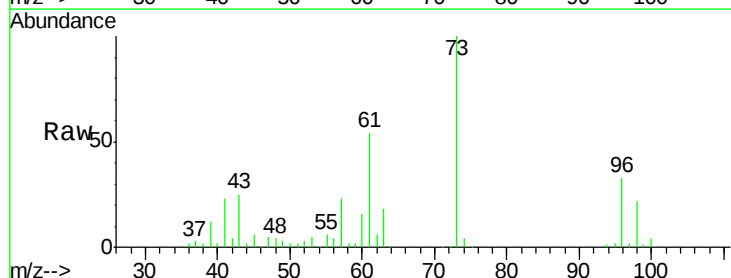
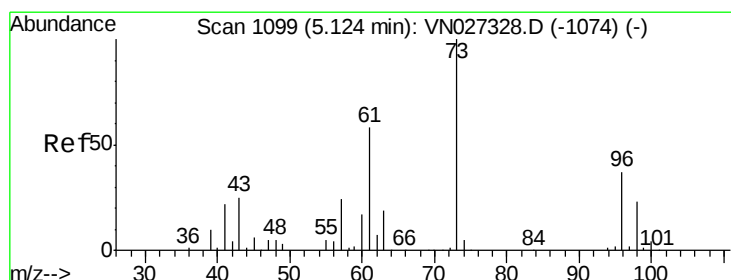
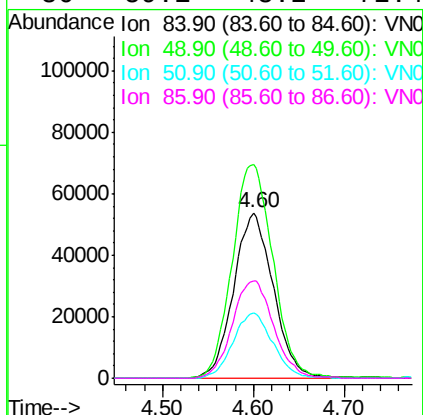
Acq: 21 Sep 2015 23:44

Tot Ion:	84	Resp:	162733
Ion	Ratio	Lower	Upper
84	100		
49	128.8	112.3	168.5
51	39.5	33.8	50.8
86	59.1	48.2	72.4

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

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#22

trans-1,2-Dichloroethene

Concen: 20.15 ug/l

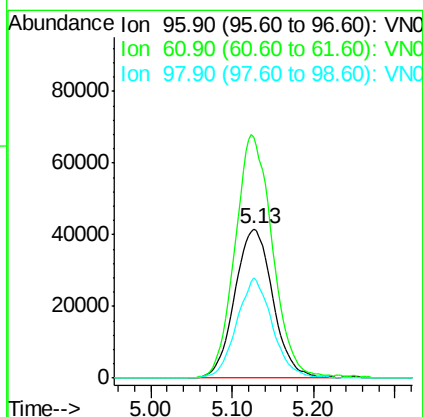
RT: 5.13 min Scan# 1100

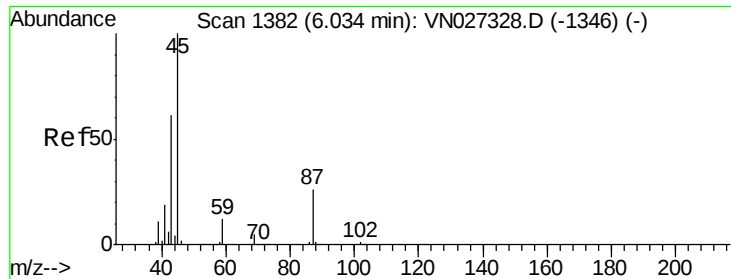
Delta R.T. 0.00 min

Lab File: VN027347.D

Acq: 21 Sep 2015 23:44

Tgt Ion:	96	Resp:	135131
Ion	Ratio	Lower	Upper
96	100		
61	161.9	126.6	189.8
98	67.5	47.4	71.2





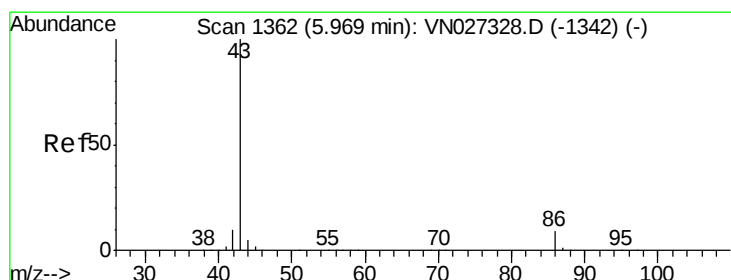
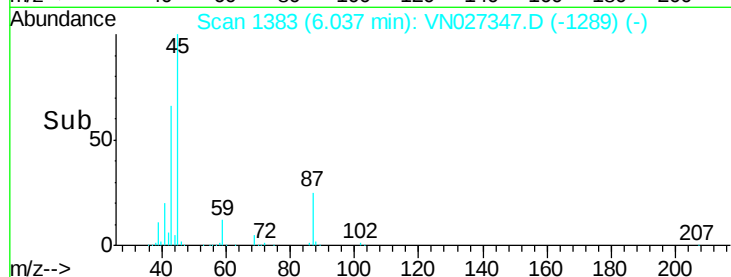
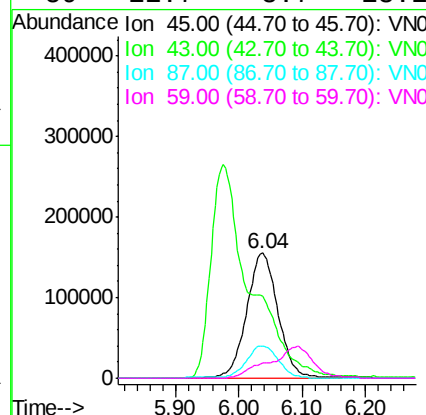
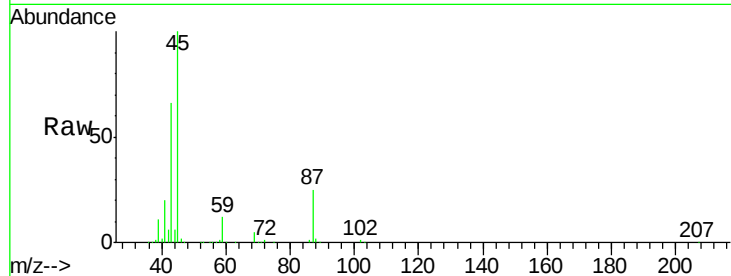
#23
Diisopropyl ether
Concen: 20.63 ug/l
RT: 6.04 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VN027347.D
Acq: 21 Sep 2015 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
45	45.00 (44.70 to 45.70): VN0	100		
43	43.00 (42.70 to 43.70): VN0	64.4	41.0	61.6#
87	87.00 (86.70 to 87.70): VN0	25.0	17.5	26.3
59	59.00 (58.70 to 59.70): VN0	11.7	8.7	13.1

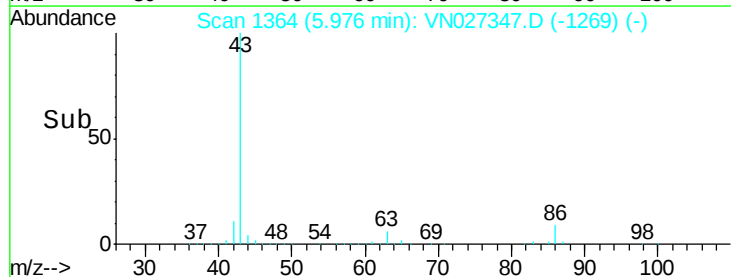
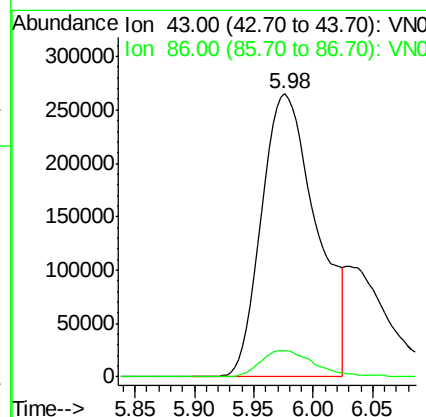
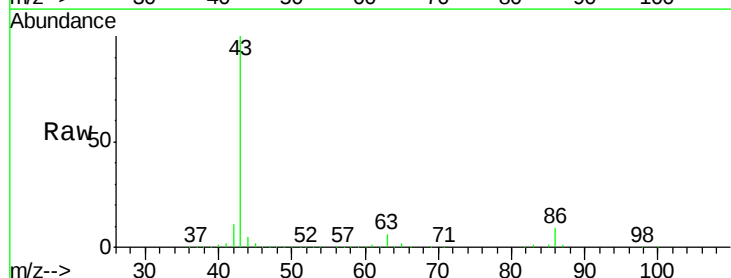
Manual Integrations
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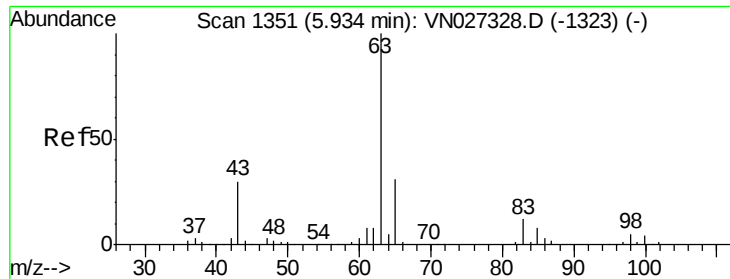
MMDadoda
9/22/2015 2:29:02 PM



#24
Vinyl Acetate
Concen: 103.30 ug/l
RT: 5.98 min Scan# 1364
Delta R.T. 0.01 min
Lab File: VN027347.D
Acq: 21 Sep 2015 23:44

Tgt Ion	Ion	Ratio	Lower	Upper
43	43.00 (42.70 to 43.70): VN0	100		
86	86.00 (85.70 to 86.70): VN0	9.4	6.9	10.3





#25

1,1-Dichloroethane

Concen: 20.78 ug/l

RT: 5.93 min Scan# 1351

Delta R.T. 0.00 min

Lab File: VN027347.D

Acq: 21 Sep 2015 23:44

Instrument :

MSVOA_N

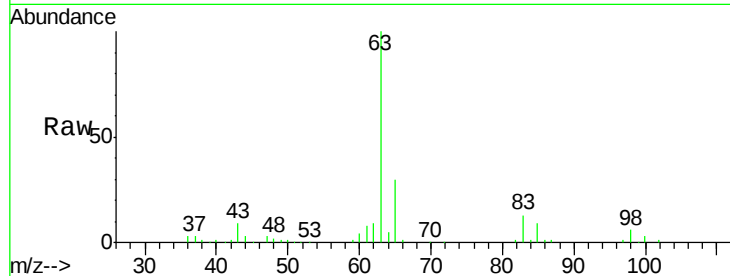
ClientSampleId :

VN0921WBSD02

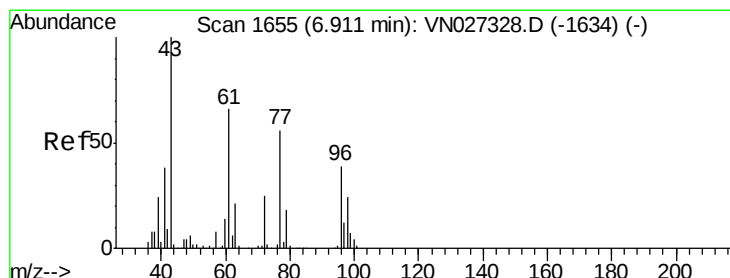
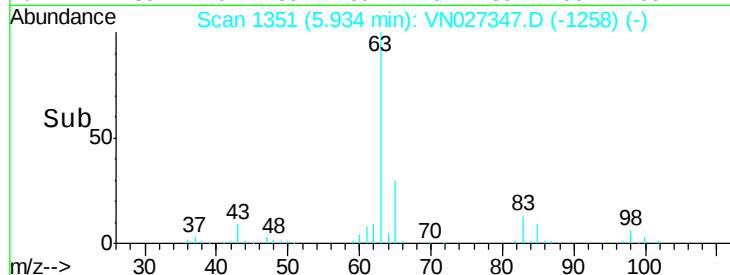
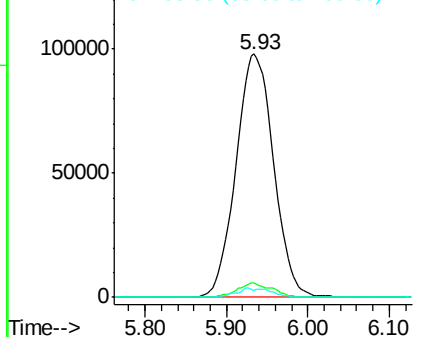
Tot Ion:	63	Resp:	313304
Ion Ratio	Lower	Upper	
63	100		
98	5.8	2.8	8.3
100	2.9	1.7	5.0

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Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 97.90 (97.60 to 98.60): VN0
Ion 99.90 (99.60 to 100.60): VN0



#26

2-Butanone

Concen: 106.75 ug/l

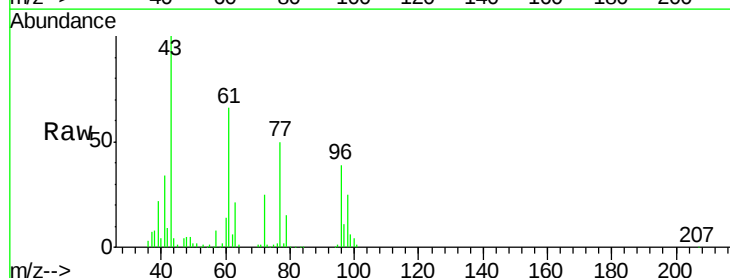
RT: 6.92 min Scan# 1657

Delta R.T. 0.01 min

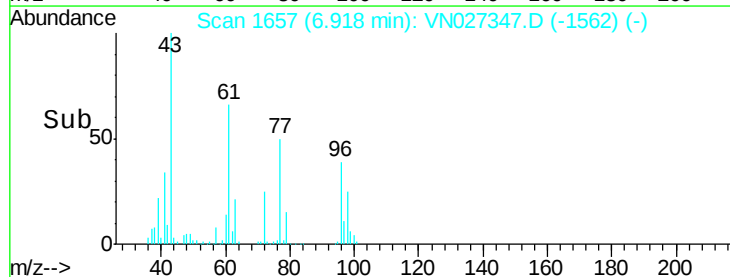
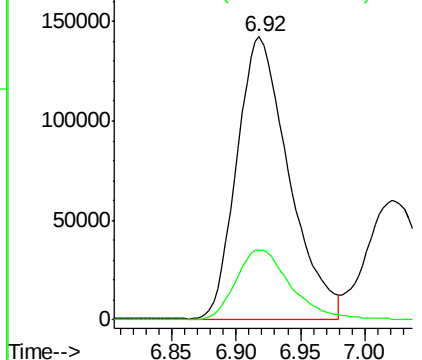
Lab File: VN027347.D

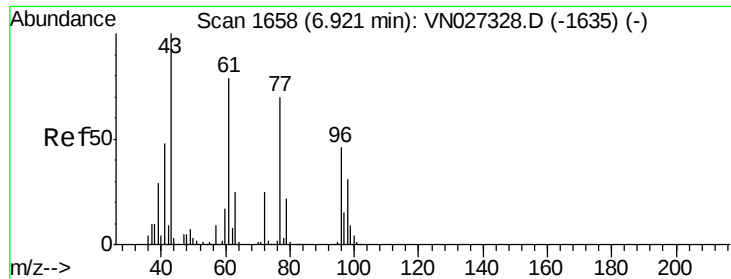
Acq: 21 Sep 2015 23:44

Tgt Ion:	43	Resp:	397721
Ion Ratio	Lower	Upper	
43	100		
72	24.8	18.8	28.2



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





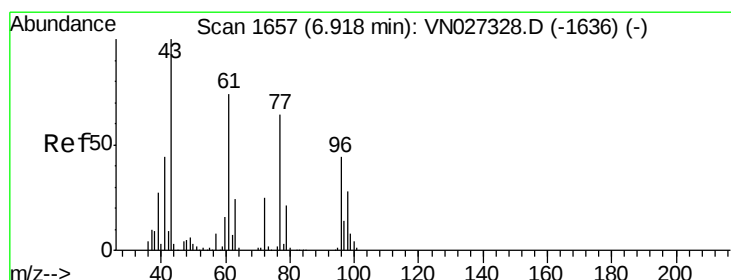
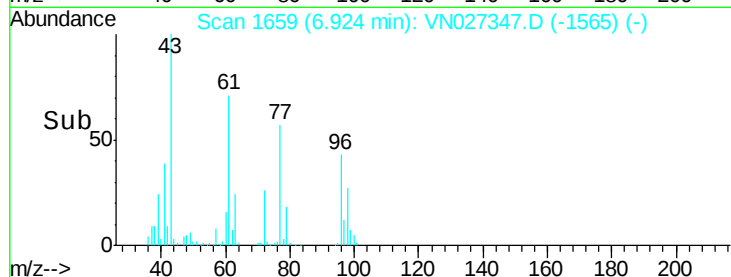
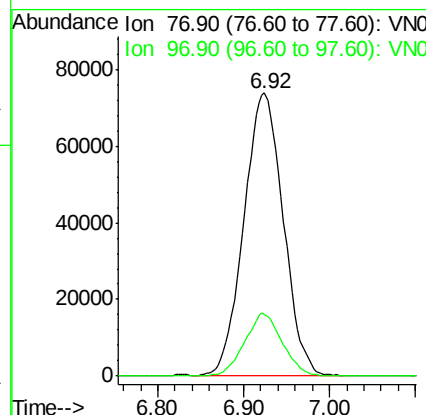
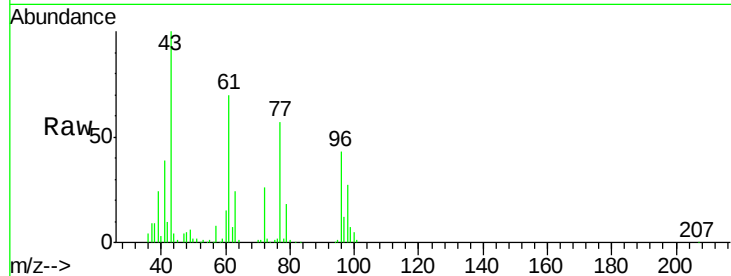
#27
 2,2-Dichloropropane
 Concen: 17.96 ug/l
 RT: 6.92 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VN027347.D
 Acq: 21 Sep 2015 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD02

Tot Ion: 77 Resp: 233356
 Ion Ratio Lower Upper
 77 100
 97 21.4 11.8 35.3

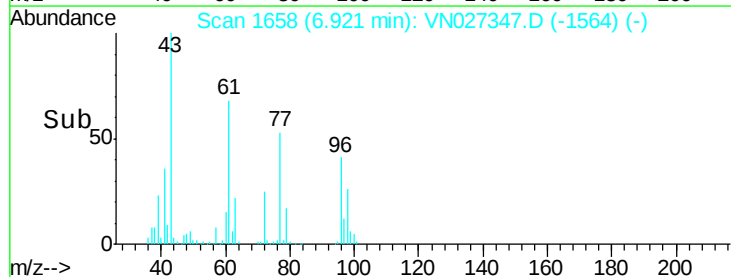
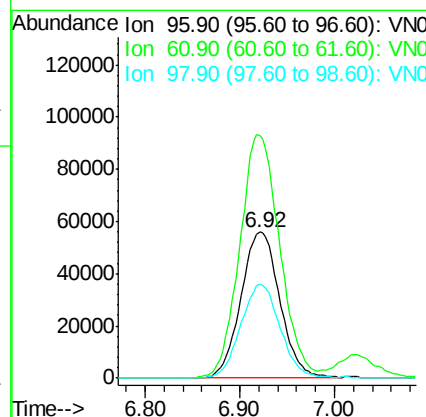
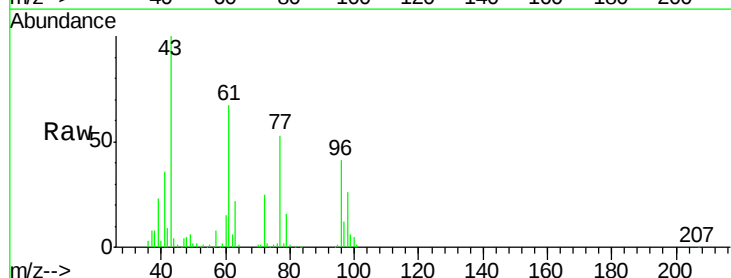
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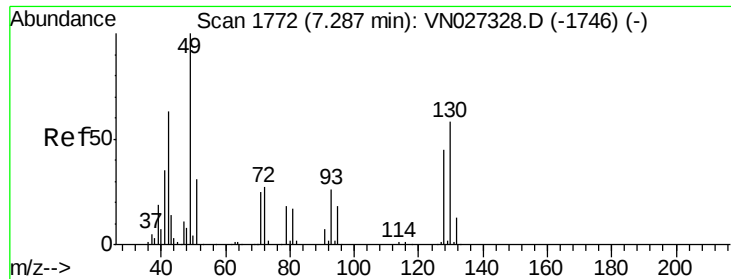
MMDadoda
 9/22/2015 2:29:02 PM



#28
 cis-1,2-Dichloroethene
 Concen: 20.24 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027347.D
 Acq: 21 Sep 2015 23:44

Tgt Ion: 96 Resp: 160348
 Ion Ratio Lower Upper
 96 100
 61 170.2 0.0 329.2
 98 64.8 0.0 126.0





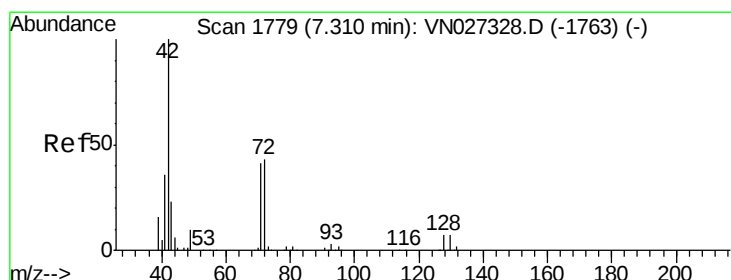
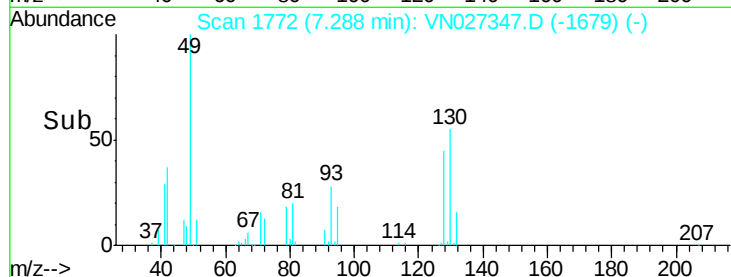
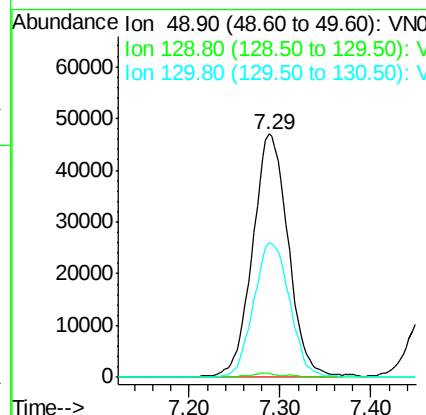
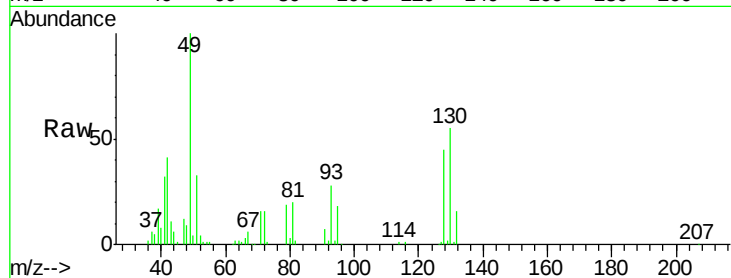
#29
 Bromochloromethane
 Concen: 21.65 ug/l
 RT: 7.29 min Scan# 1772
 Delta R.T. 0.00 min
 Lab File: VN027347.D
 Acq: 21 Sep 2015 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD02

Tot Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.2
130	55.8	43.2	64.8

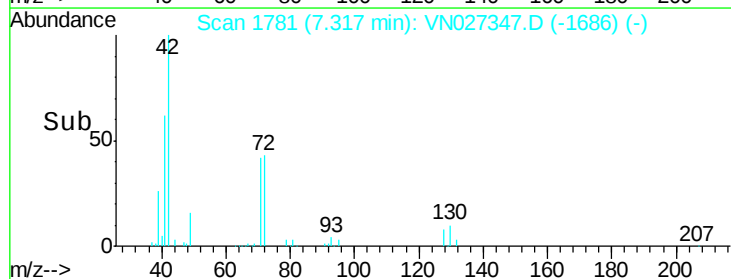
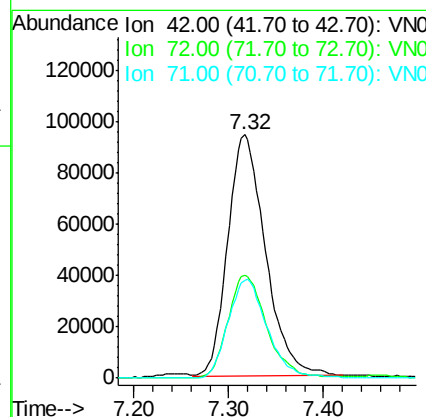
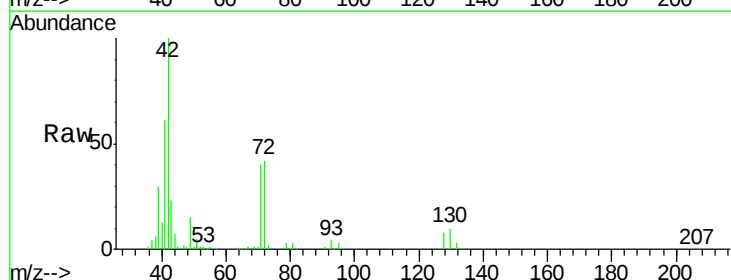
Manual Integrations
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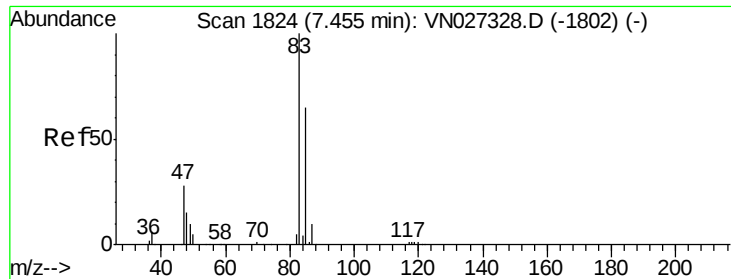
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#30
 Tetrahydrofuran
 Concen: 111.05 ug/l
 RT: 7.32 min Scan# 1781
 Delta R.T. 0.01 min
 Lab File: VN027347.D
 Acq: 21 Sep 2015 23:44

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.6	29.9	44.9
71	42.3	28.3	42.5





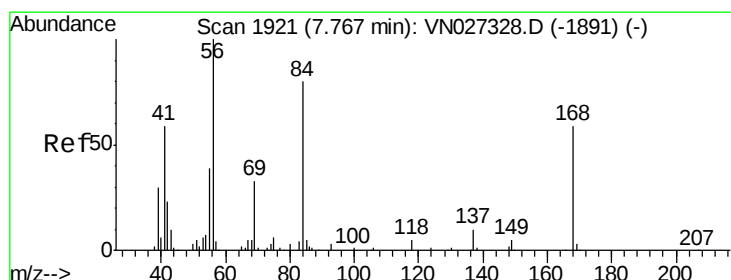
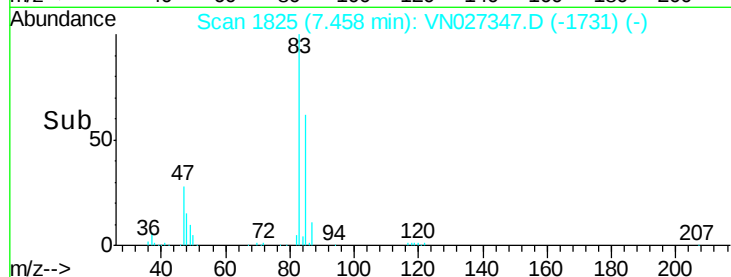
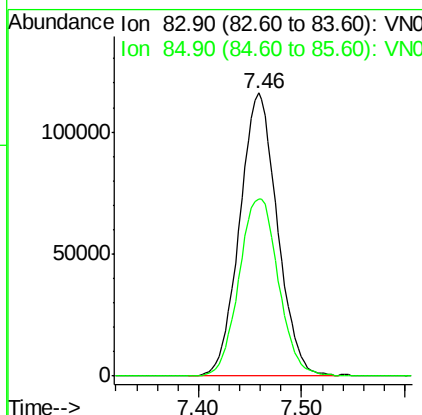
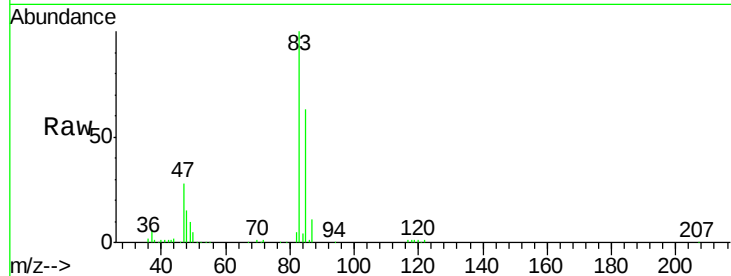
#31
Chloroform
Concen: 20.81 ug/l
RT: 7.46 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN027347.D
Acq: 21 Sep 2015 23:44

Instrument :
MSVOA_N
ClientSampled :
VN0921WBSD02

Tot Ion	83	Resp	294734
Ion Ratio	100	Lower	Upper
85	62.5	51.1	76.7

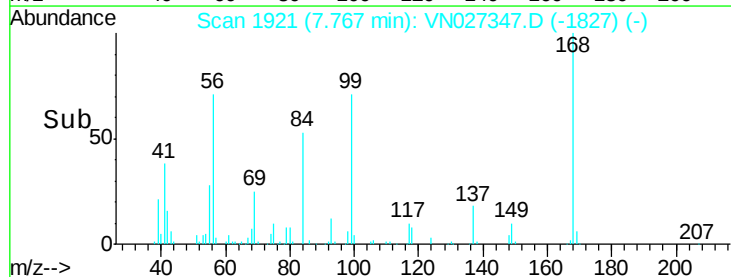
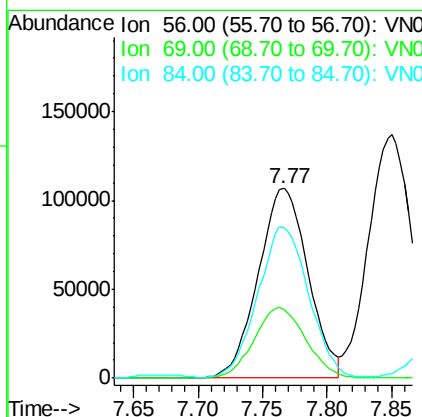
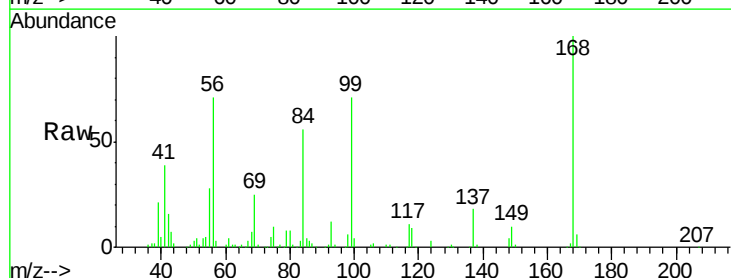
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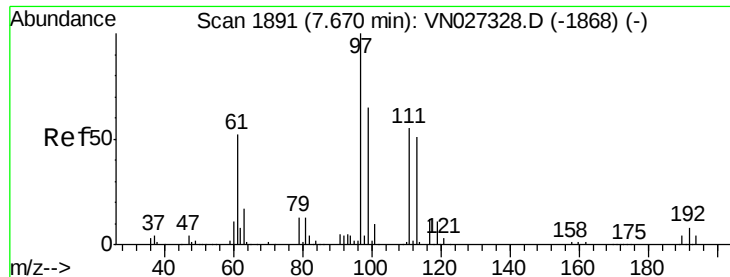
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#32
Cyclohexane
Concen: 20.53 ug/l
RT: 7.77 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VN027347.D
Acq: 21 Sep 2015 23:44

Tgt Ion	56	Resp	287666
Ion Ratio	100	Lower	Upper
69	36.0	23.0	34.4#
84	78.4	57.8	86.8





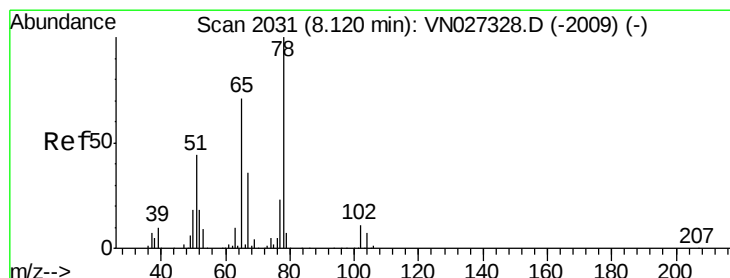
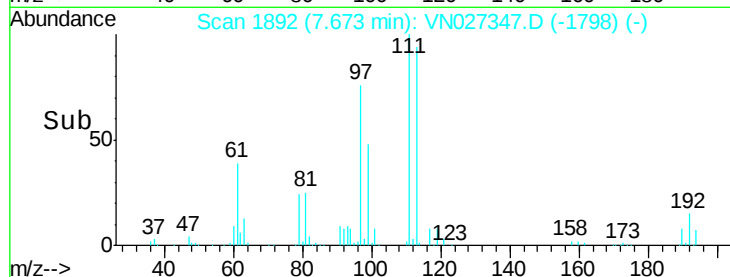
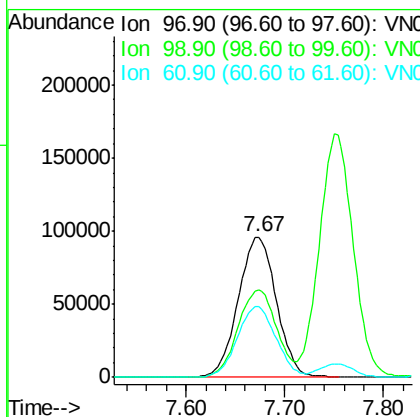
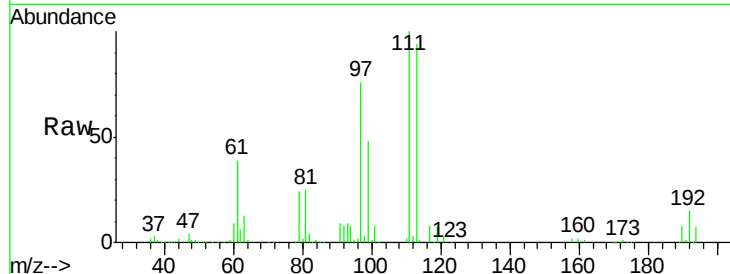
#33
 1,1,1-Trichloroethane
 Concen: 20.47 ug/l
 RT: 7.67 min Scan# 1892
 Delta R.T. 0.00 min
 Lab File: VN027347.D
 Acq: 21 Sep 2015 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
97	100	256937		
99	63.9		50.1	75.1
61	51.3		44.0	66.0

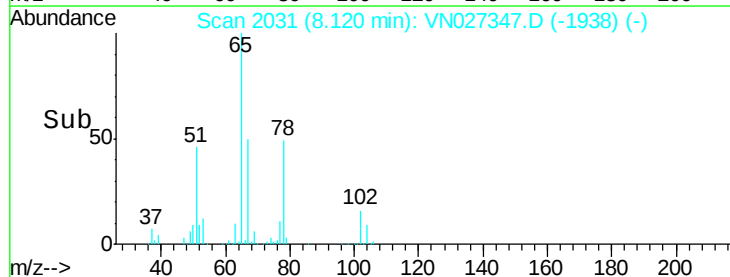
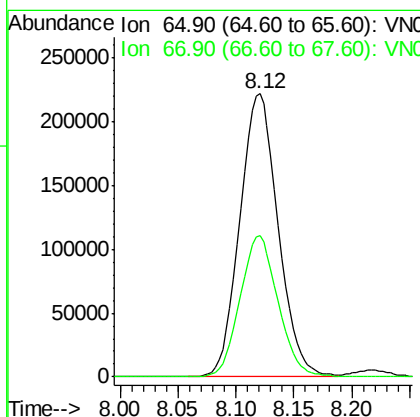
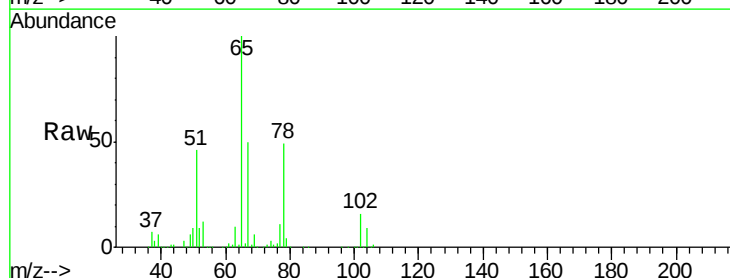
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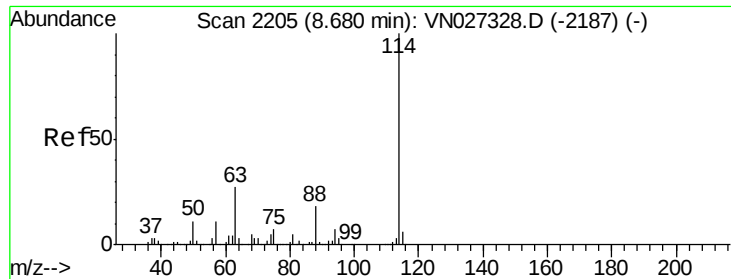
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#34
 1,2-Dichloroethane-d4
 Concen: 48.85 ug/l
 RT: 8.12 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VN027347.D
 Acq: 21 Sep 2015 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	510873		
67	49.5		0.0	110.6





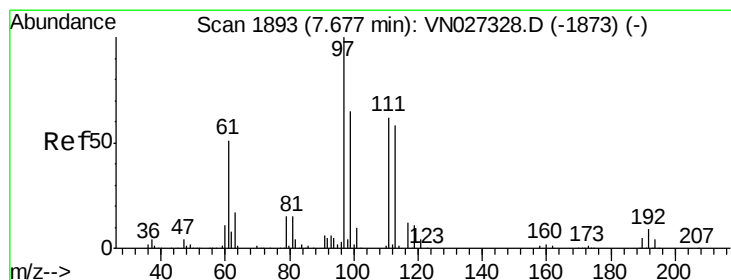
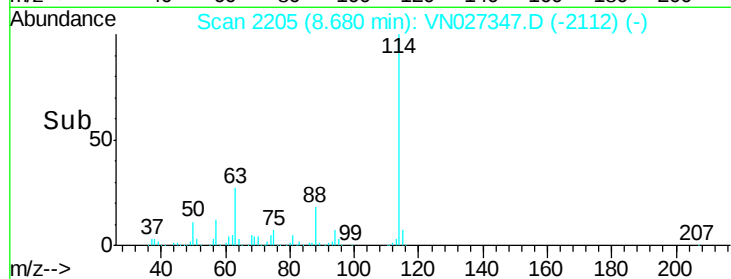
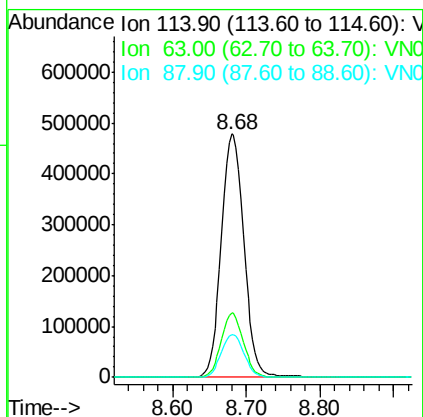
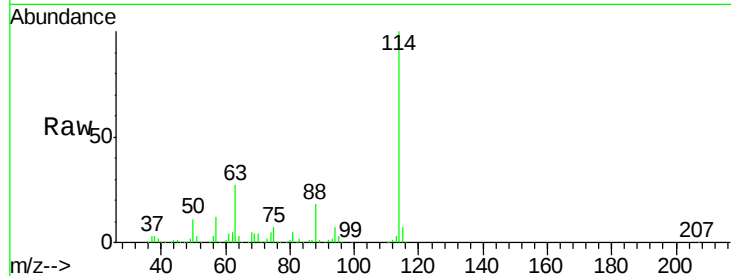
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027347.D
 Acq: 21 Sep 2015 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD02

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.6	0.0	48.8
88	17.8	0.0	32.2

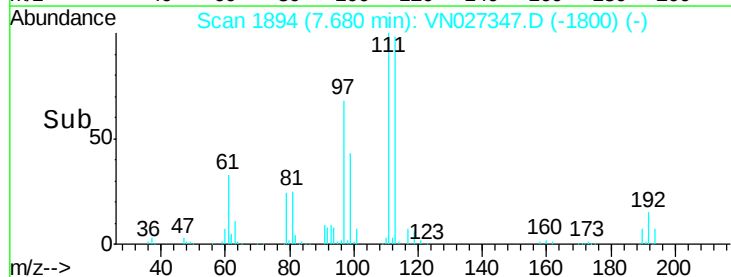
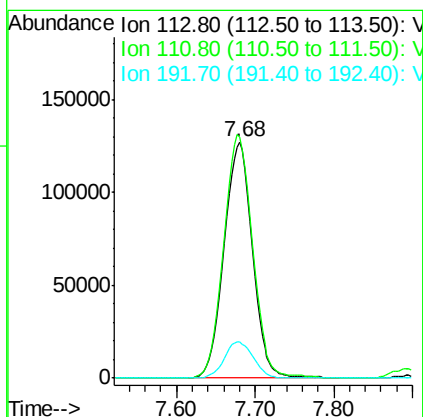
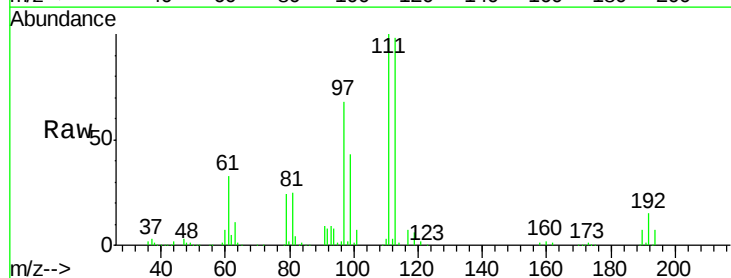
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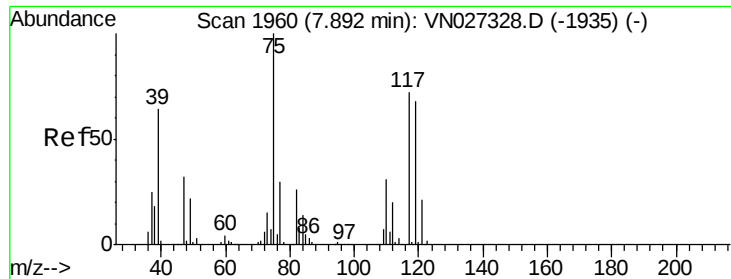
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#36
 Dibromofluoromethane
 Concen: 47.35 ug/l
 RT: 7.68 min Scan# 1894
 Delta R.T. 0.00 min
 Lab File: VN027347.D
 Acq: 21 Sep 2015 23:44

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.3	83.0	124.4
192	15.7	14.1	21.1





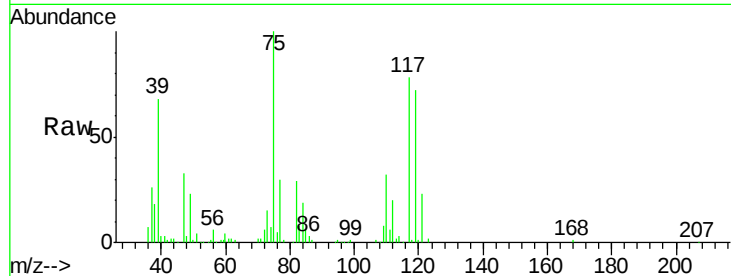
#37
 1,1-Dichloropropene
 Concen: 19.59 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VN027347.D
 Acq: 21 Sep 2015 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD02

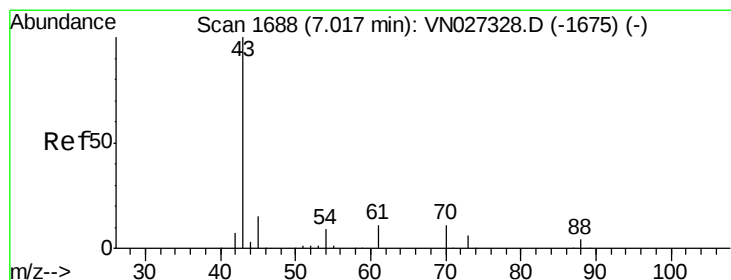
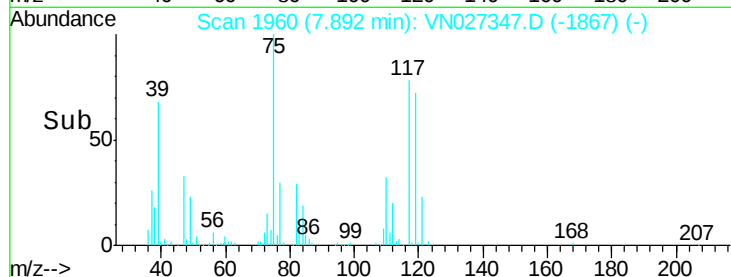
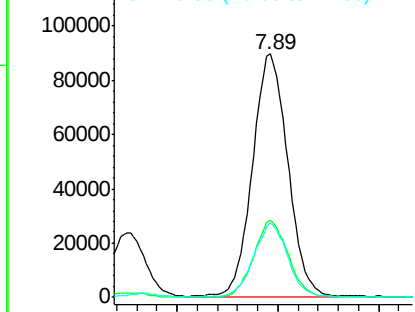
Tot Ion	Ratio	Lower	Upper
75	100		
110	31.2	15.9	47.7
77	28.8	24.9	37.3

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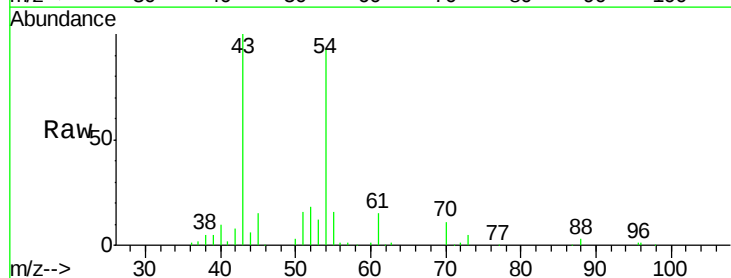


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0

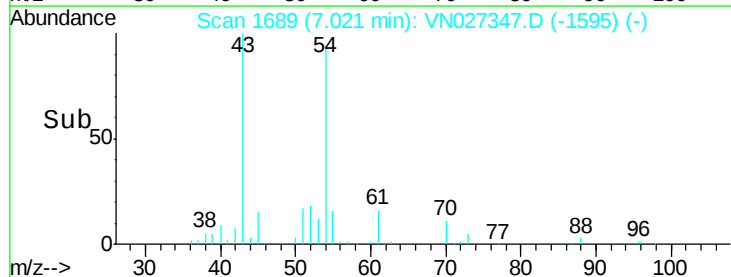
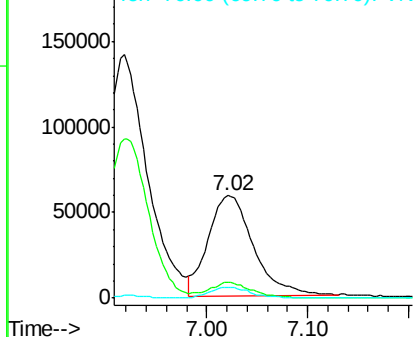


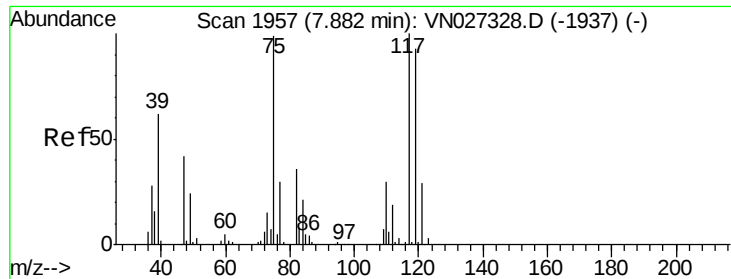
#38
 Ethyl Acetate
 Concen: 21.35 ug/l
 RT: 7.02 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: VN027347.D
 Acq: 21 Sep 2015 23:44

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.2	15.4
70	10.3	7.4	11.0



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 70.00 (69.70 to 70.70): VN0





#39

Carbon Tetrachloride

Concen: 19.45 ug/l

RT: 7.89 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VN027347.D

Acq: 21 Sep 2015 23:44

Instrument :

MSVOA_N

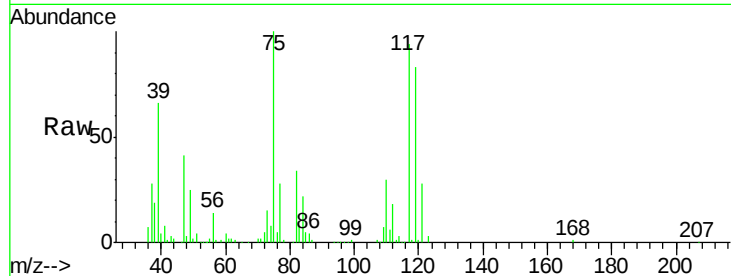
ClientSampled :

VN0921WBSD02

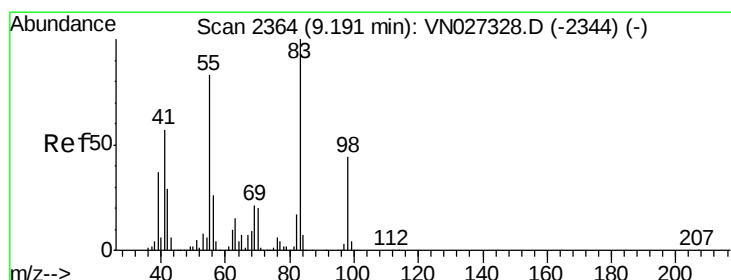
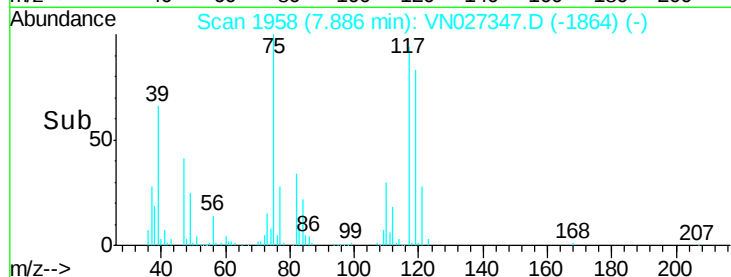
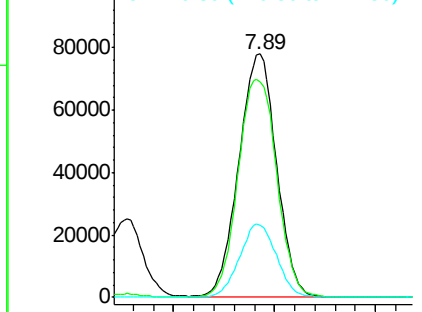
Tot Ion:	117	Resp:	202224
Ion	Ratio	Lower	Upper
117	100		
119	88.7	75.3	112.9
121	29.8	23.8	35.8

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Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



#40

Methylcyclohexane

Concen: 19.07 ug/l

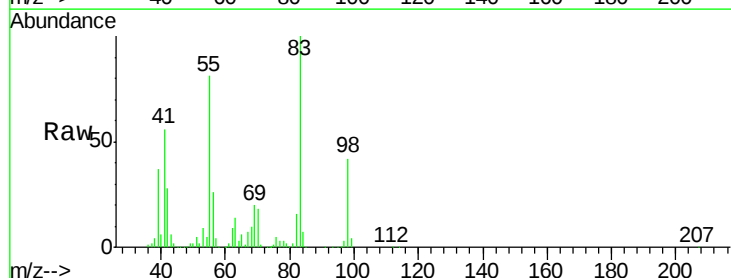
RT: 9.19 min Scan# 2364

Delta R.T. 0.00 min

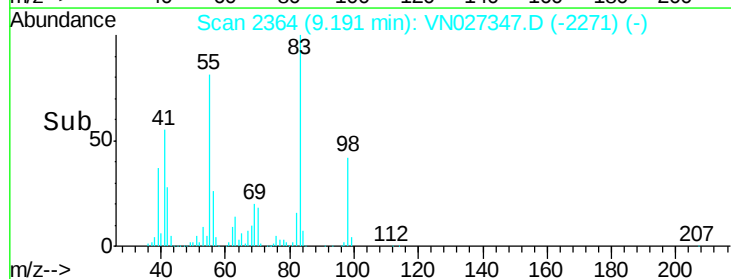
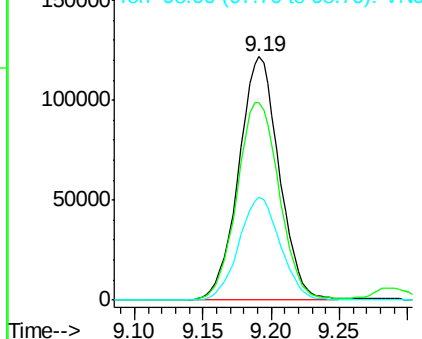
Lab File: VN027347.D

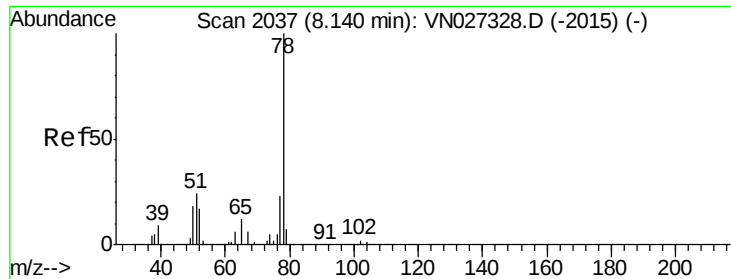
Acq: 21 Sep 2015 23:44

Tgt Ion:	83	Resp:	250282
Ion	Ratio	Lower	Upper
83	100		
55	80.7	69.8	104.8
98	42.1	34.3	51.5



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 98.00 (97.70 to 98.70): V





#41

Benzene

Concen: 20.11 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VN027347.D

Acq: 21 Sep 2015 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD02

Tot Ion: 78 Resp: 644762

Ion Ratio Lower Upper

78 100

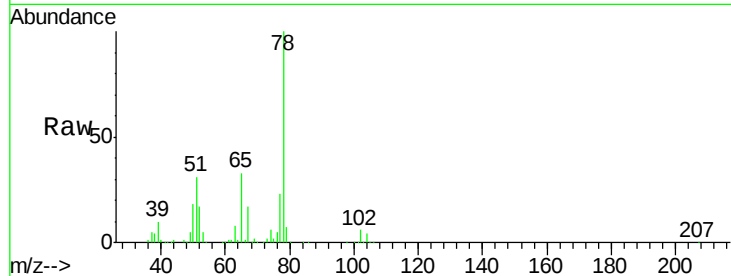
77 23.0 19.0 28.4

Manual Integrations

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Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.14

300000

250000

200000

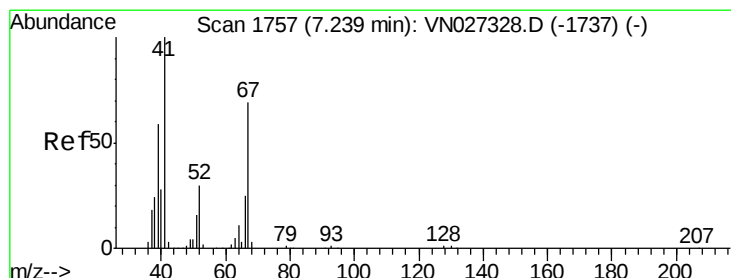
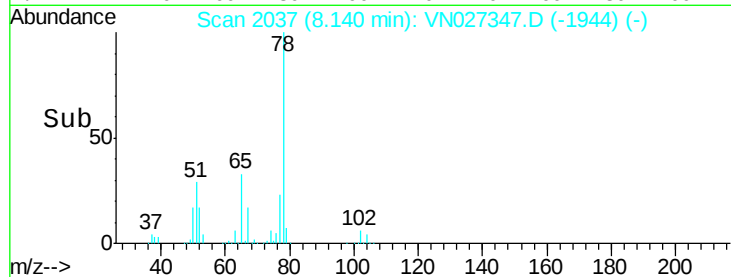
150000

100000

50000

0

Time-->



#42

Methacrylonitrile

Concen: 20.14 ug/l

RT: 7.25 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VN027347.D

Acq: 21 Sep 2015 23:44

Tgt Ion: 41 Resp: 101405

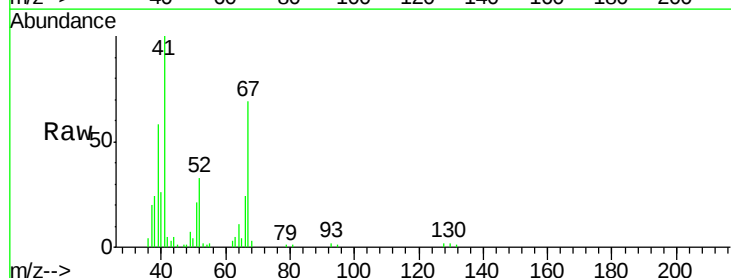
Ion Ratio Lower Upper

41 100

39 59.8 43.0 64.6

67 74.8 52.2 78.2

52 34.6 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

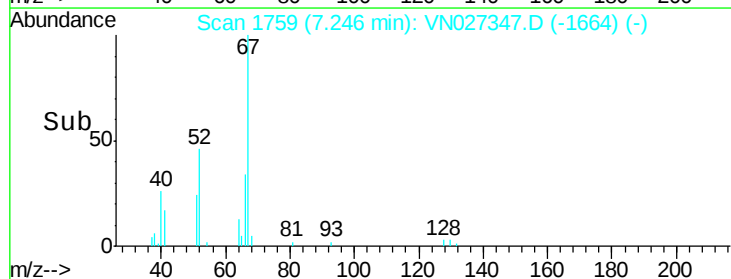
60000

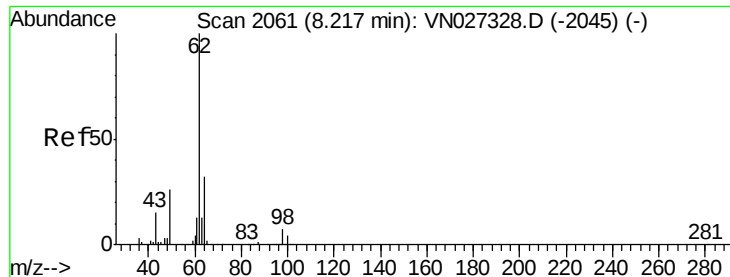
40000

20000

0

Time-->





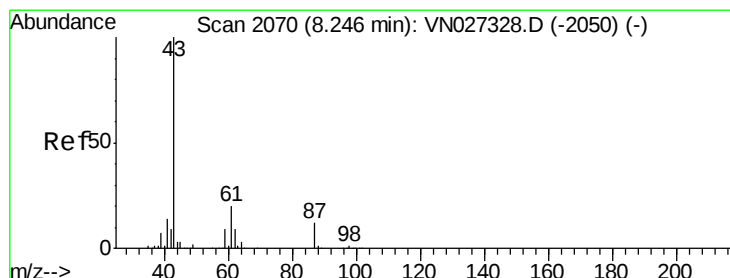
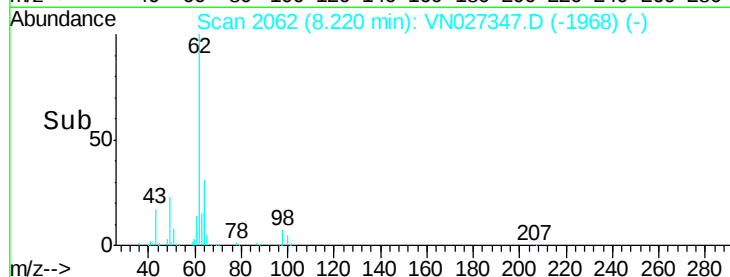
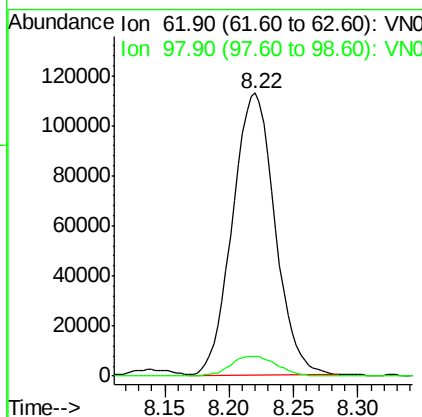
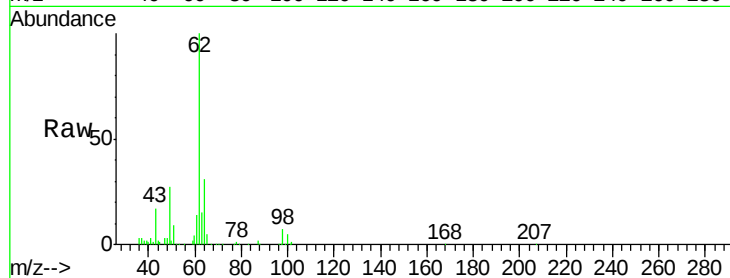
#43
 1,2-Dichloroethane
 Concen: 19.72 ug/l
 RT: 8.22 min Scan# 2062
 Delta R.T. 0.00 min
 Lab File: VN027347.D
 Acq: 21 Sep 2015 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
62	100	257736		
98	7.8	0.0	18.0	

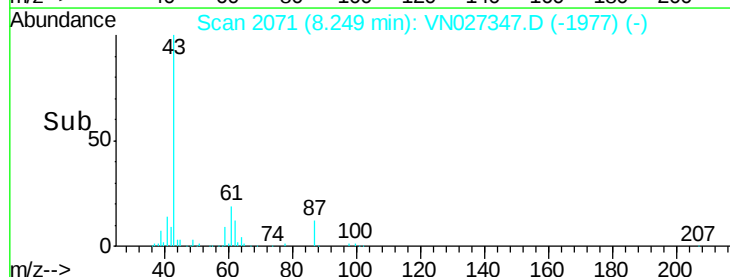
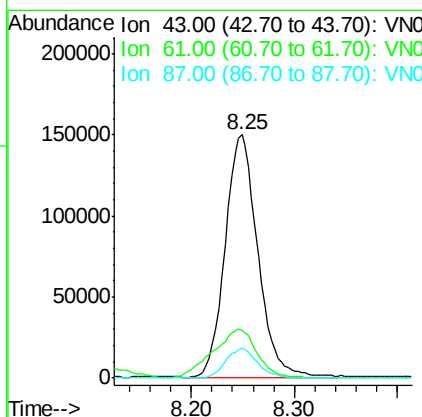
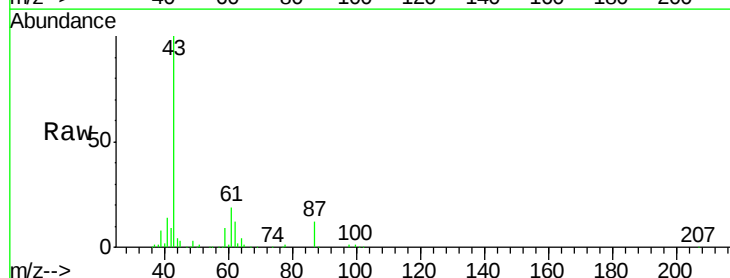
Manual Integrations
 APPROVED

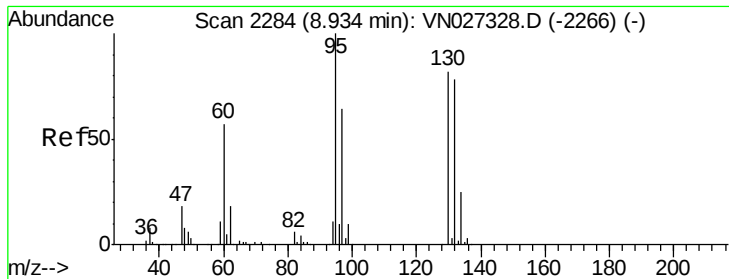
MMDadoda
 9/22/2015 2:29:02 PM



#44
 Isopropyl Acetate
 Concen: 20.27 ug/l
 RT: 8.25 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VN027347.D
 Acq: 21 Sep 2015 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	330454		
61	26.6	20.6	31.0	
87	12.0	8.6	13.0	





#45

Trichloroethene

Concen: 20.03 ug/l

RT: 8.94 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN027347.D

Acq: 21 Sep 2015 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD02

Tot Ion:130 Resp: 128695

Ion Ratio Lower Upper

130 100

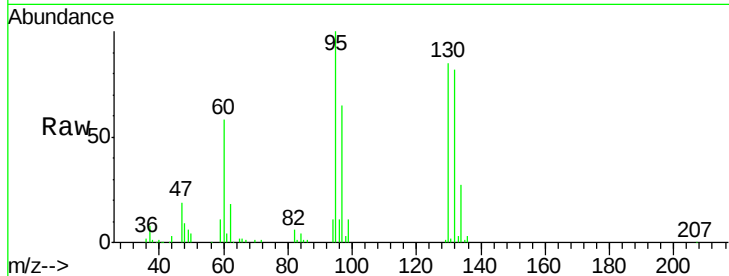
95 117.9 0.0 222.2

Manual Integrations

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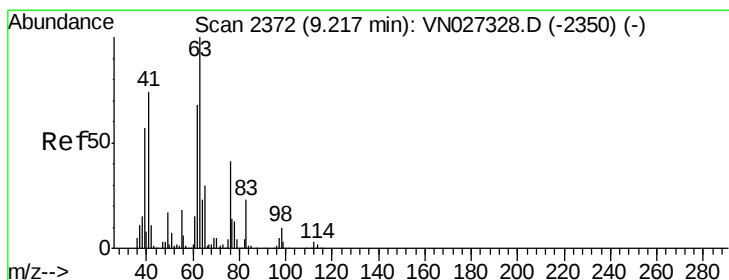
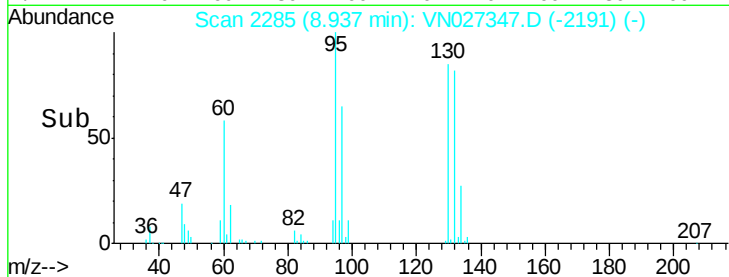
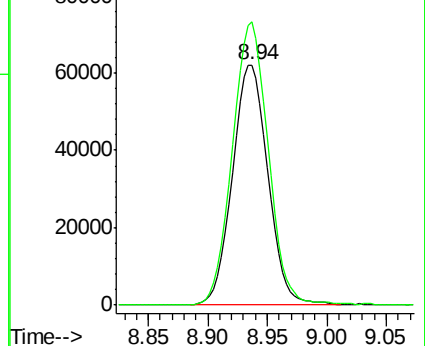
MMDadoda

9/22/2015 2:29:02 PM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#46

1,2-Dichloropropane

Concen: 20.47 ug/l

RT: 9.22 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN027347.D

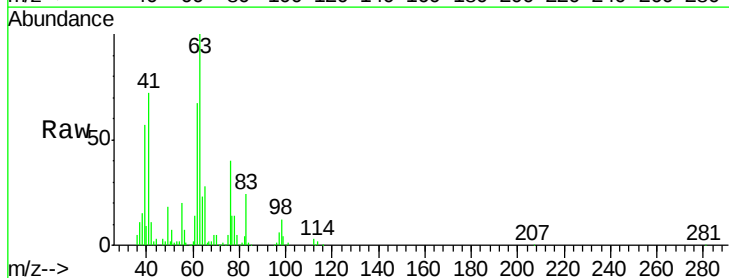
Acq: 21 Sep 2015 23:44

Tgt Ion: 63 Resp: 183676

Ion Ratio Lower Upper

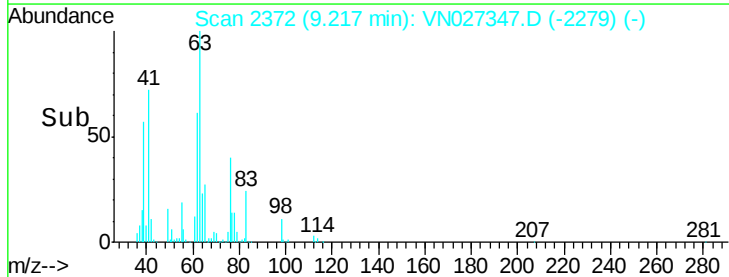
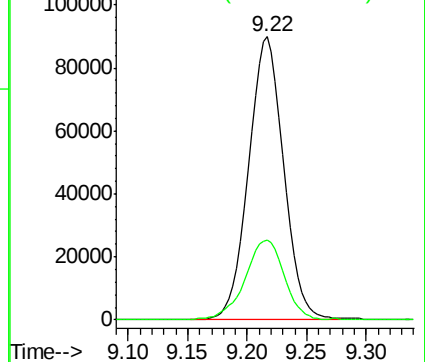
63 100

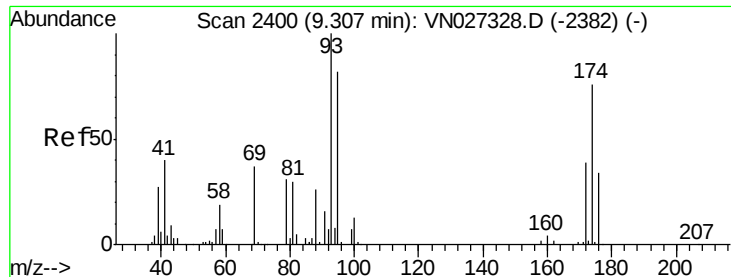
65 28.3 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





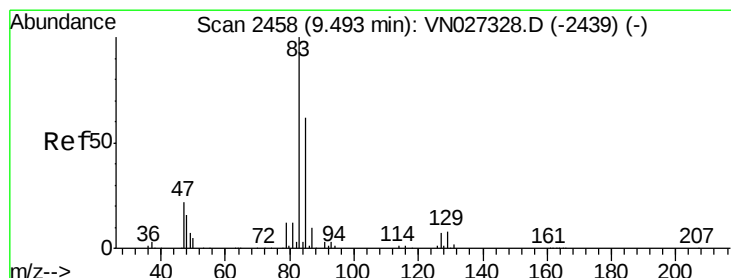
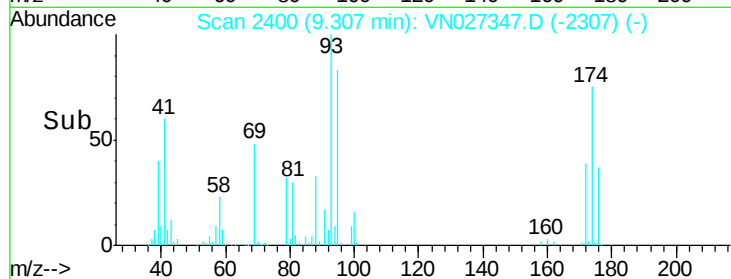
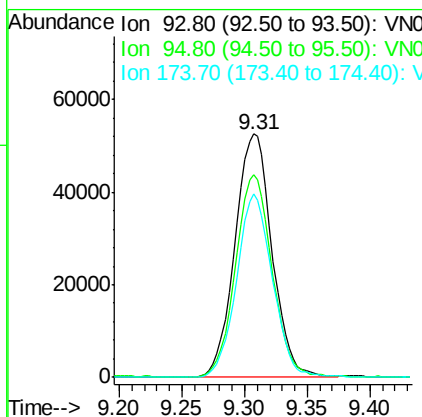
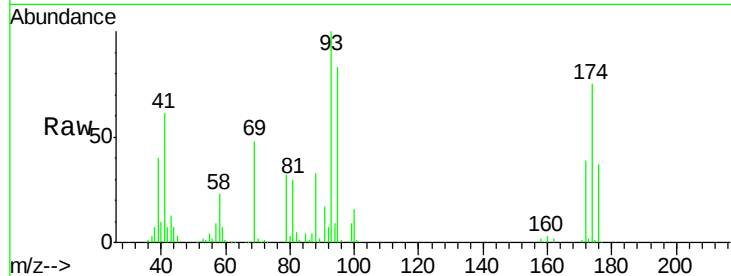
#47
 Dibromomethane
 Concen: 20.04 ug/l
 RT: 9.31 min Scan# 2400
 Delta R.T. 0.00 min
 Lab File: VN027347.D
 Acq: 21 Sep 2015 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD02

Tot Ion	Ratio	Lower	Upper
93	100		
95	82.4	66.3	99.5
174	73.0	67.8	101.6

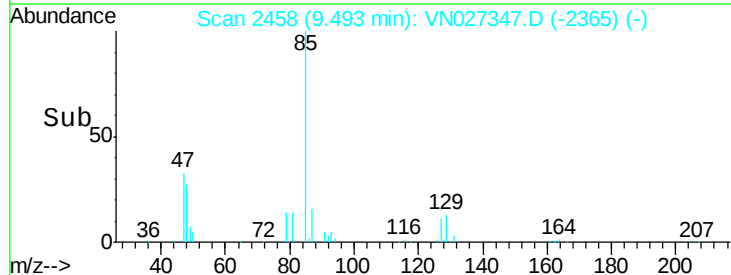
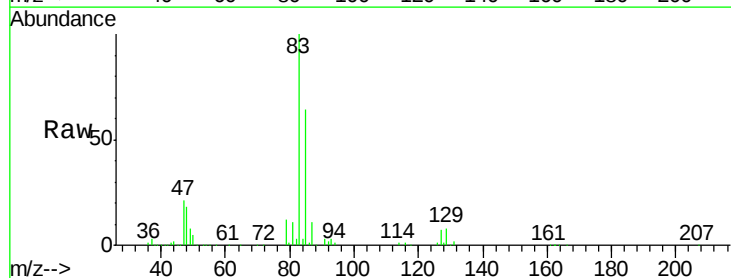
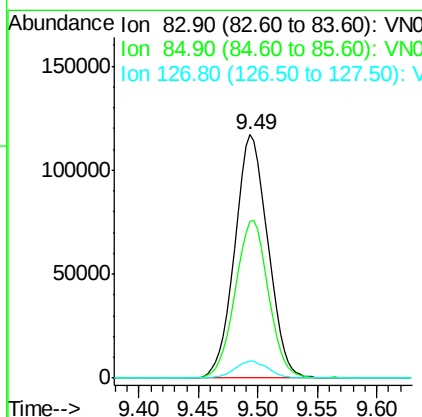
Manual Integrations
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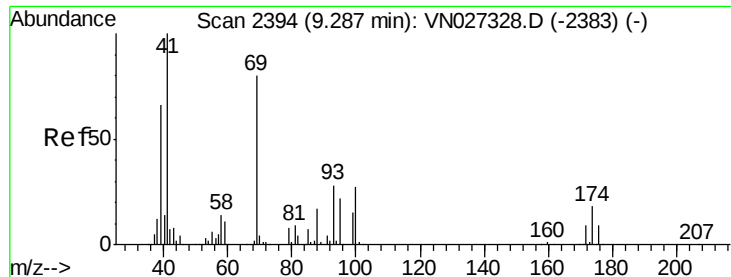
MMDadoda
 9/22/2015 2:29:02 PM



#48
 Bromodichloromethane
 Concen: 19.83 ug/l
 RT: 9.49 min Scan# 2458
 Delta R.T. 0.00 min
 Lab File: VN027347.D
 Acq: 21 Sep 2015 23:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.7	76.1
127	7.0	5.5	8.3





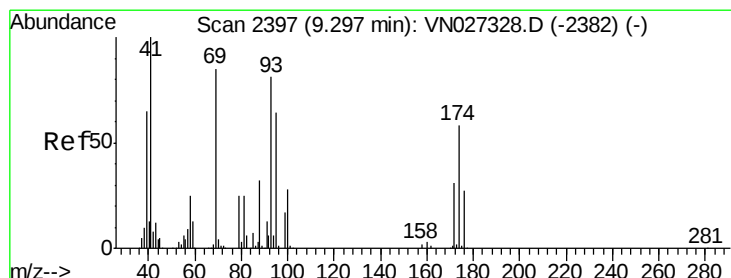
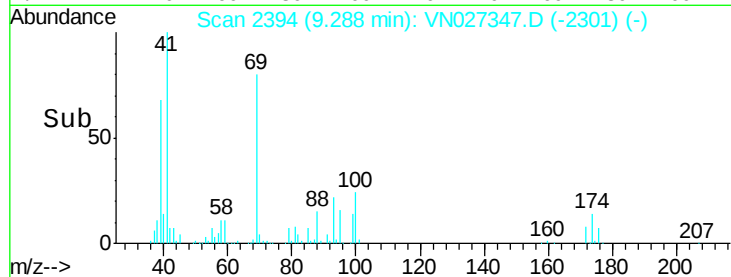
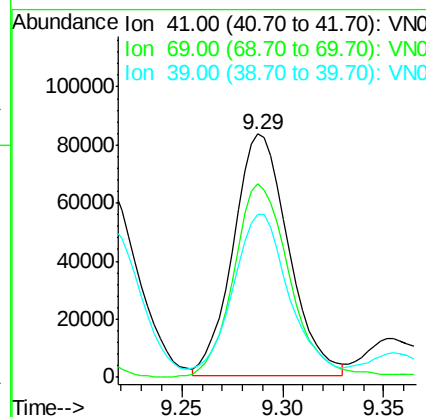
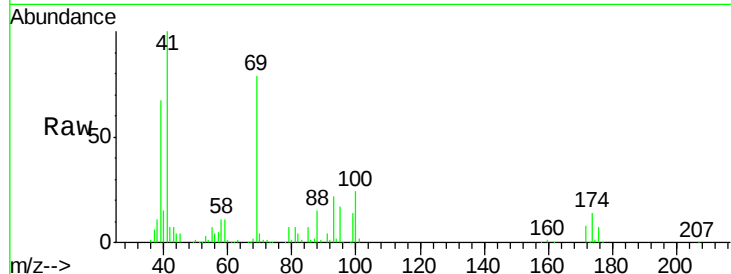
#49
Methvl methacrvlate
Concen: 20.74 ug/l
RT: 9.29 min Scan# 2394
Delta R.T. 0.00 min
Lab File: VN027347.D
Acq: 21 Sep 2015 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
41	100	159143		
69	81.0	59.3	88.9	
39	68.8	39.5	59.3#	

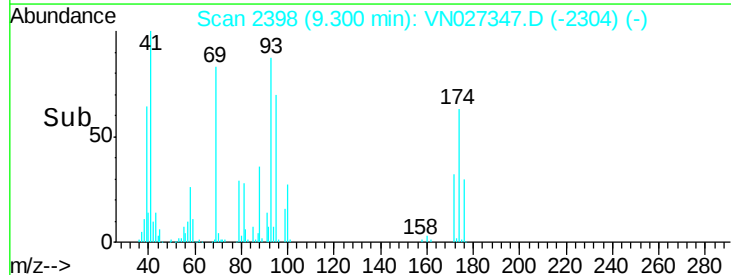
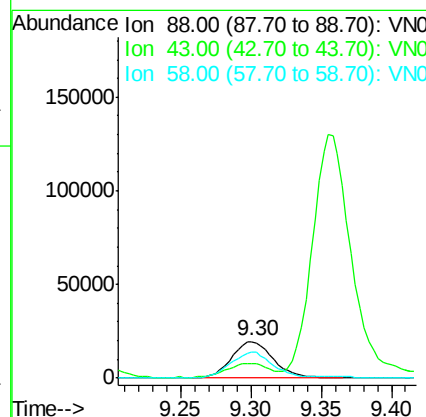
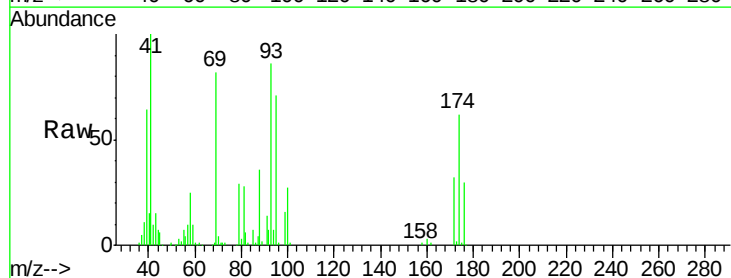
Manual Integrations
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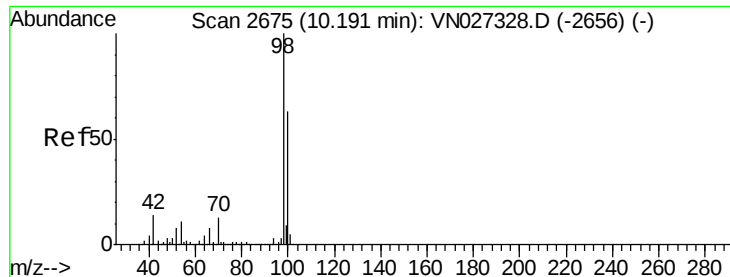
MMDadoda
9/22/2015 2:29:02 PM



#50
1,4-Dioxane
Concen: 442.06 ug/l
RT: 9.30 min Scan# 2398
Delta R.T. 0.00 min
Lab File: VN027347.D
Acq: 21 Sep 2015 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	40943		
43	36.7	27.6	41.4	
58	71.4	63.1	94.7	





#51

Toluene-d8

Concen: 46.77 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027347.D

Acq: 21 Sep 2015 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD02

Tot Ion: 98 Resp: 1209374

Ion Ratio Lower Upper

98 100

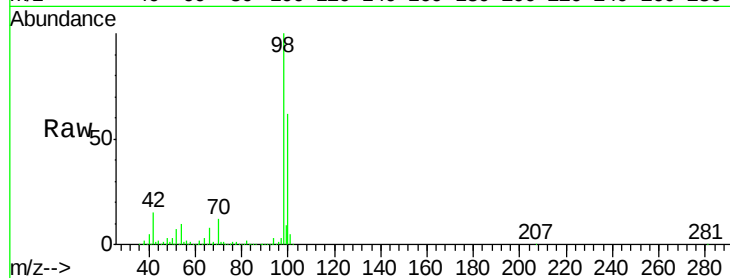
100 62.1 50.5 75.7

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Abundance Ion 98.00 (97.70 to 98.70): VN027328.D (-2656) (-)

Ion 100.00 (99.70 to 100.70): VN027328.D (-2656) (-)

10.19

600000

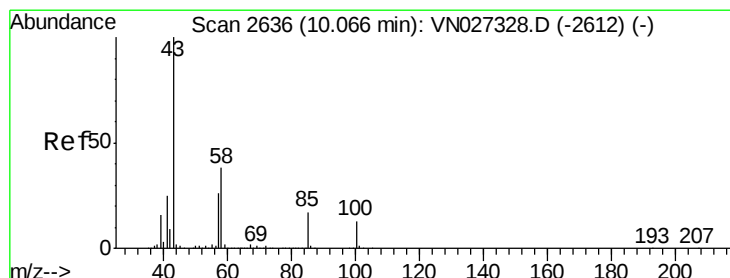
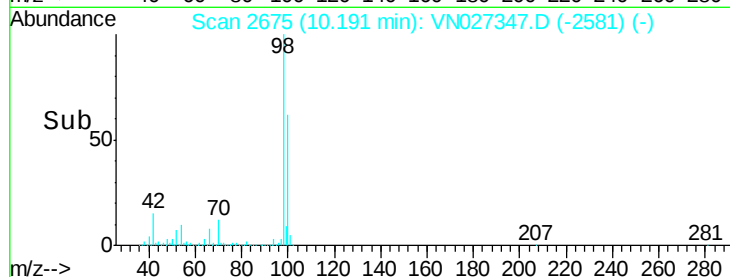
400000

200000

0

10.10 10.20 10.30

Time-->



#52

4-Methyl-2-Pentanone

Concen: 107.25 ug/l

RT: 10.07 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VN027347.D

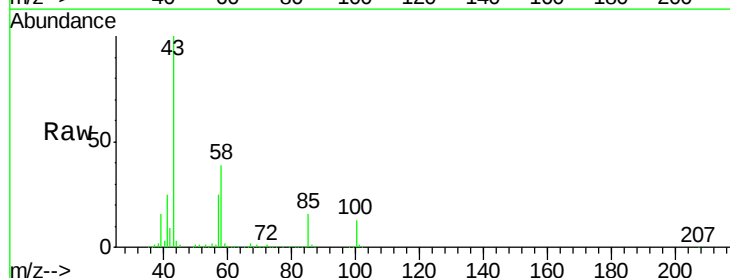
Acq: 21 Sep 2015 23:44

Tgt Ion: 43 Resp: 899462

Ion Ratio Lower Upper

43 100

58 38.3 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN027328.D (-2612) (-)

Ion 58.00 (57.70 to 58.70): VN027328.D (-2612) (-)

10.07

500000

400000

300000

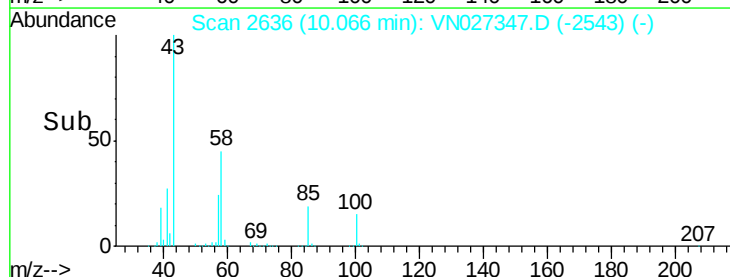
200000

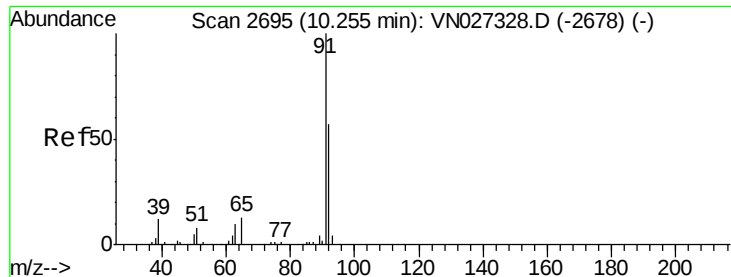
100000

0

10.00 10.10 10.20

Time-->





#53

Toluene

Concen: 19.82 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027347.D

Acq: 21 Sep 2015 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD02

Tot Ion: 92 Resp: 375941

Ion Ratio Lower Upper

92 100

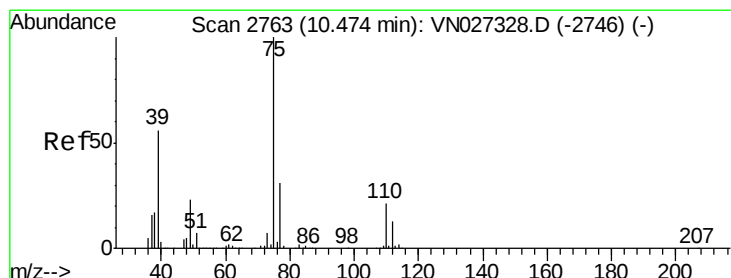
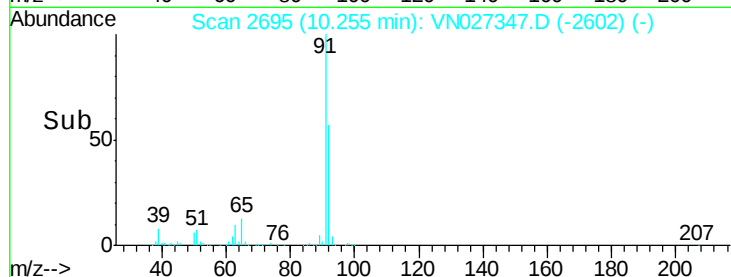
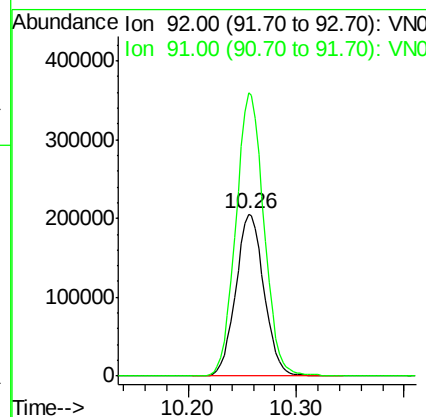
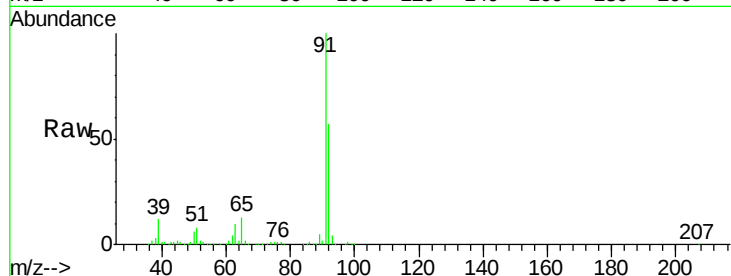
91 174.0 141.4 212.2

Manual Integrations

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#54

t-1,3-Dichloropropene

Concen: 18.92 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027347.D

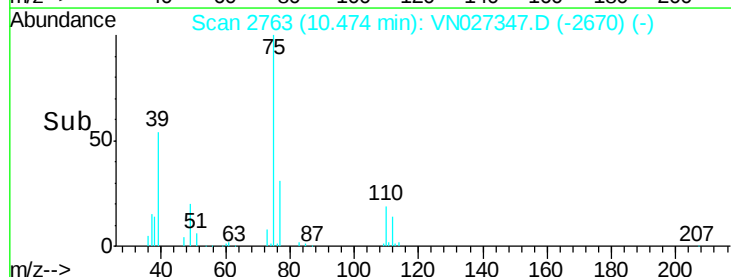
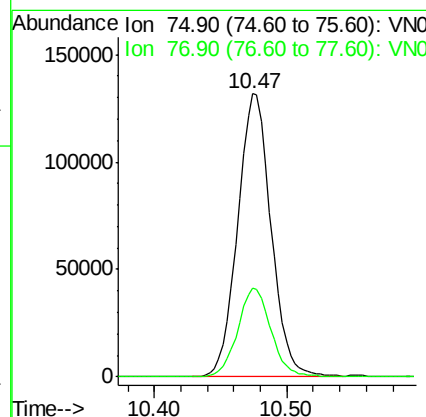
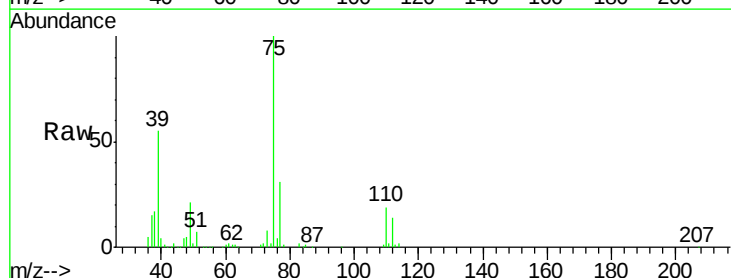
Acq: 21 Sep 2015 23:44

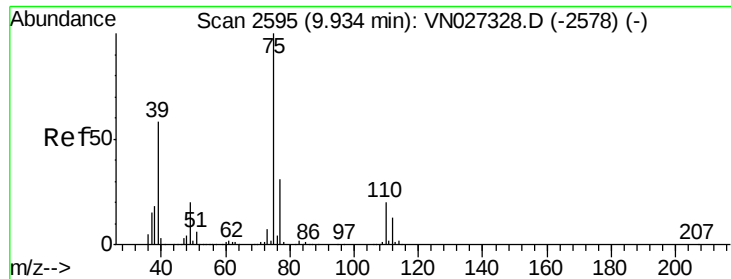
Tgt Ion: 75 Resp: 230739

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.2





#55

cis-1,3-Dichloropropene

Concen: 19.19 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. 0.00 min

Lab File: VN027347.D

Acq: 21 Sep 2015 23:44

Instrument :

MSVOA_N

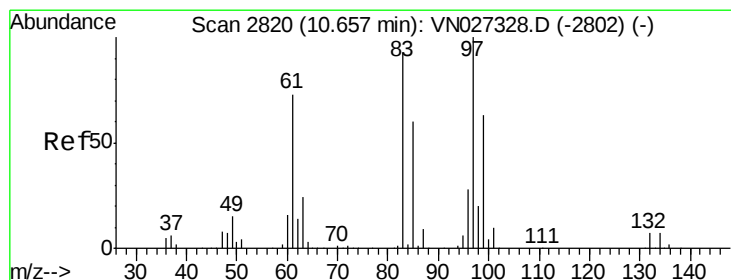
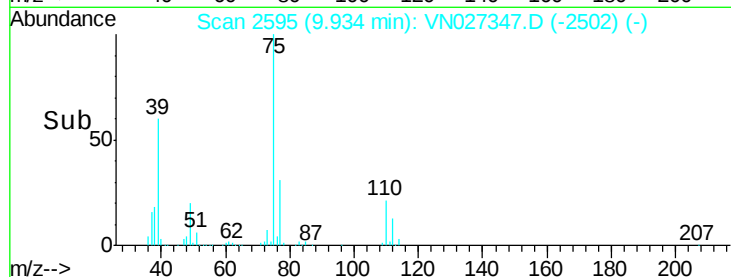
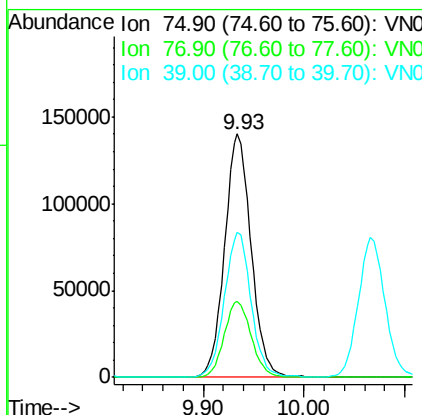
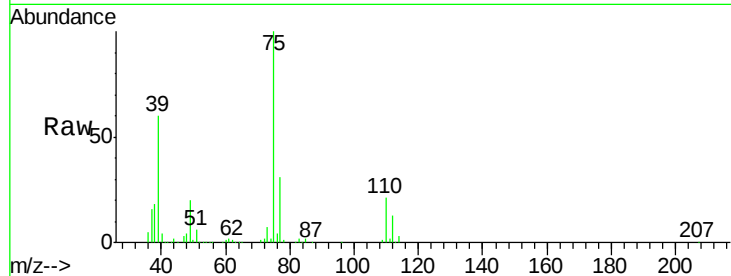
ClientSampleId :

VN0921WBSD02

Tot Ion:	75	Resp:	257016
Ion Ratio	Lower	Upper	
75	100		
77	31.1	25.6	38.4
39	59.5	41.6	62.4

Manual Integrations
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#56

1,1,2-Trichloroethane

Concen: 20.45 ug/l

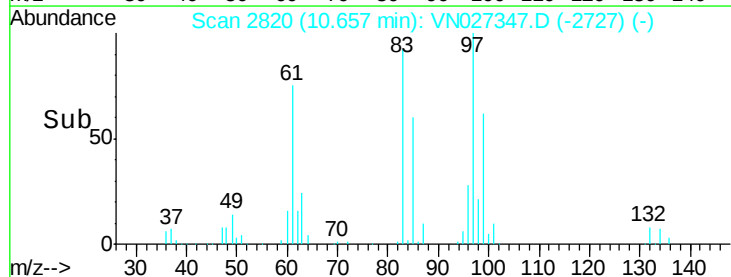
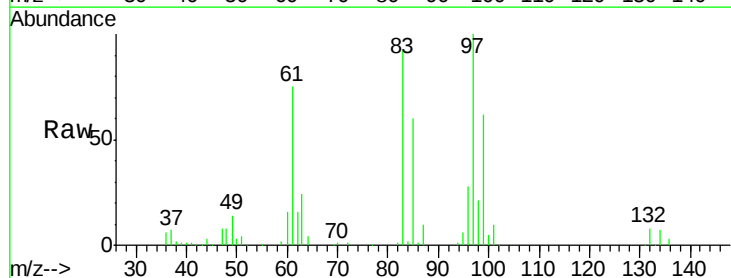
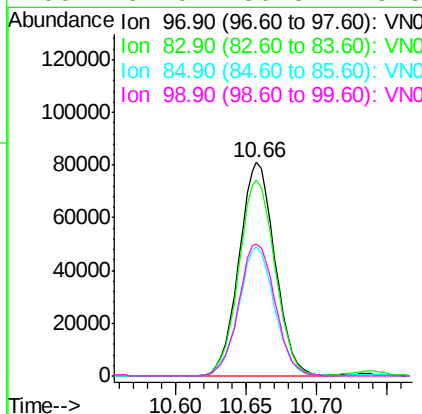
RT: 10.66 min Scan# 2820

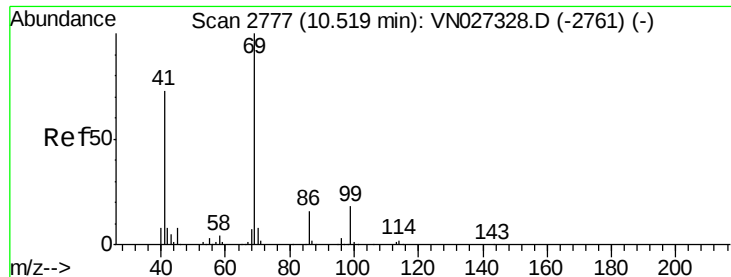
Delta R.T. 0.00 min

Lab File: VN027347.D

Acq: 21 Sep 2015 23:44

Tgt Ion:	97	Resp:	144622
Ion Ratio	Lower	Upper	
97	100		
83	91.7	75.0	112.4
85	60.3	48.0	72.0
99	62.0	50.3	75.5





#57

Ethyl methacrylate

Concen: 20.19 ug/l

RT: 10.52 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN027347.D

Acq: 21 Sep 2015 23:44

Instrument :

MSVOA_N

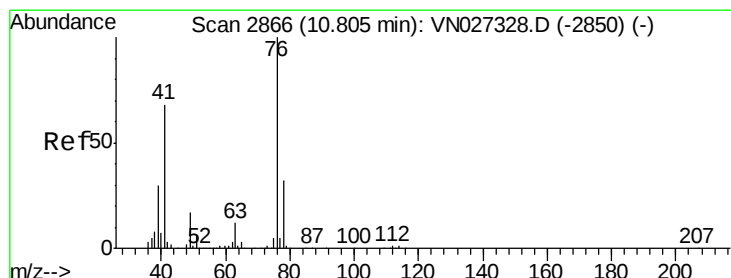
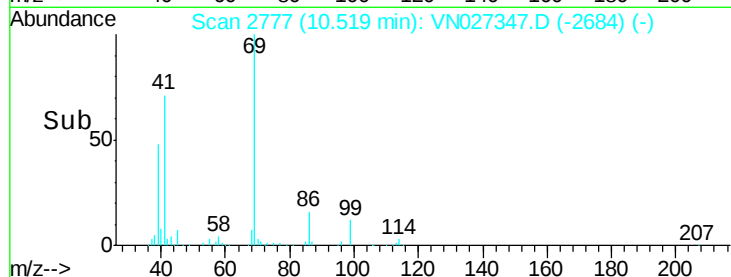
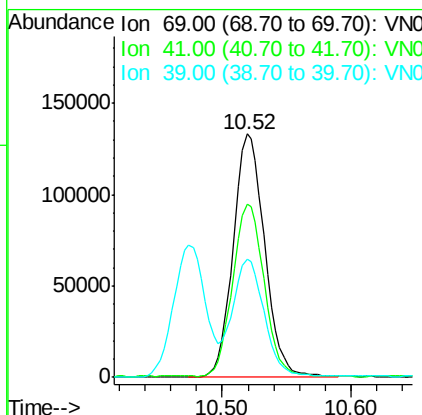
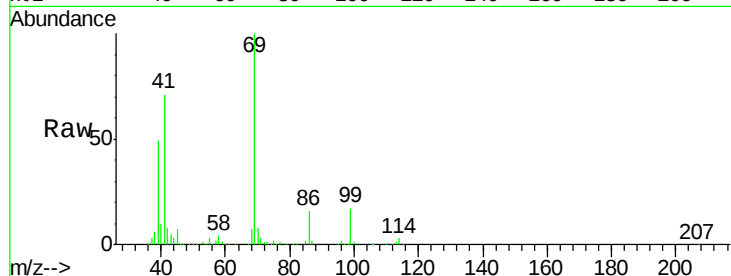
ClientSampleId :

VN0921WBSD02

Tot Ion:	69.00	Resp:	226617
Ion Ratio	Lower	Upper	
69	100		
41	70.4	61.3	91.9
39	48.7	28.4	42.6

Manual Integrations
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#58

1,3-Dichloropropane

Concen: 20.24 ug/l

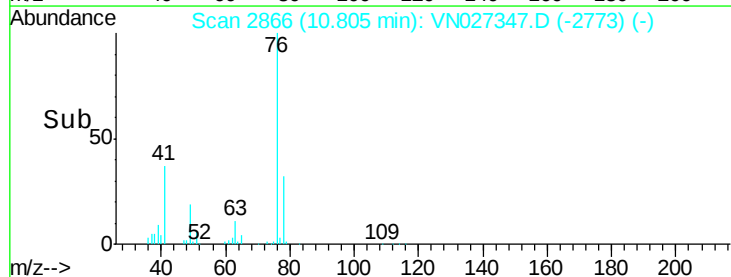
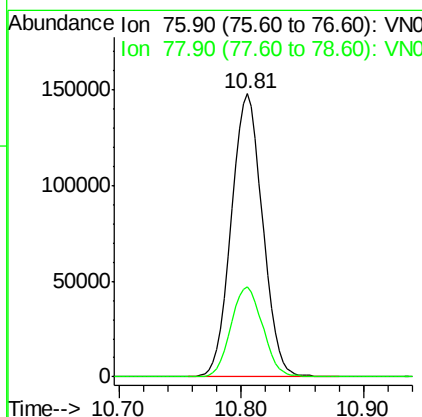
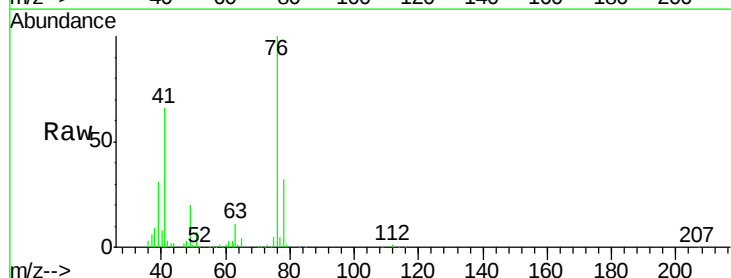
RT: 10.81 min Scan# 2866

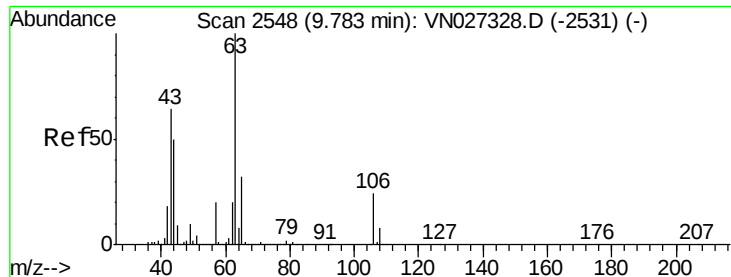
Delta R.T. 0.00 min

Lab File: VN027347.D

Acq: 21 Sep 2015 23:44

Tgt Ion:	76	Resp:	263920
Ion Ratio	Lower	Upper	
76	100		
78	32.2	25.0	37.6





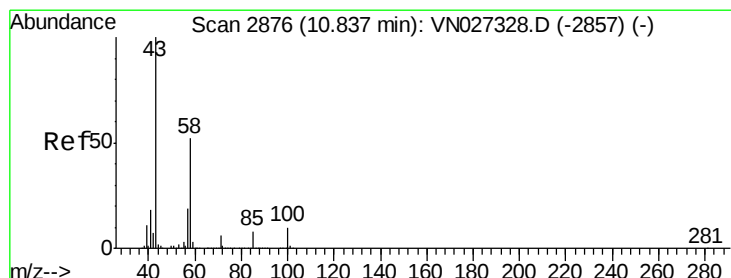
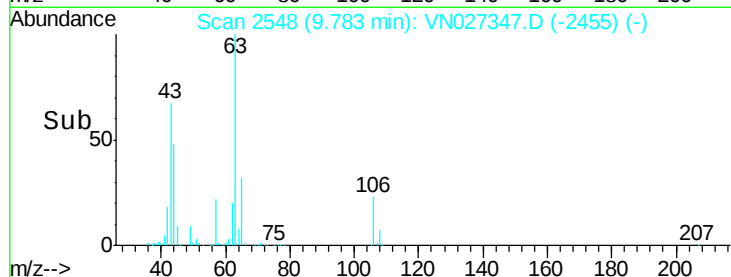
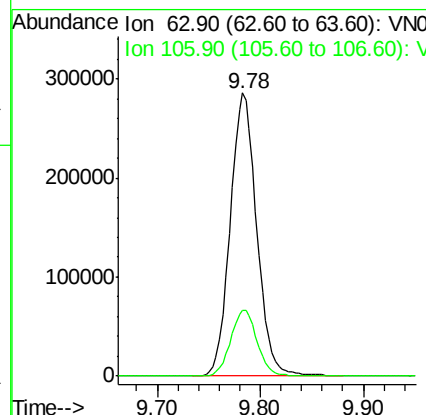
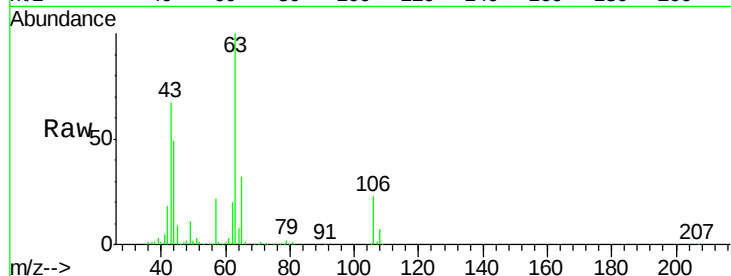
#59
2-Chloroethyl Vinyl ether
Concen: 102.93 ug/l
RT: 9.78 min Scan# 2548
Delta R.T. 0.00 min
Lab File: VN027347.D
Acq: 21 Sep 2015 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion: 63 Resp: 512080
Ion Ratio Lower Upper
63 100
106 23.3 17.7 26.5

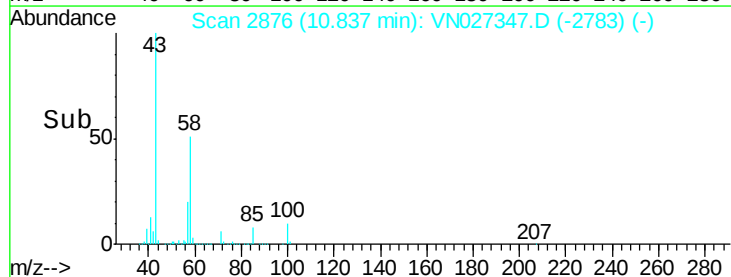
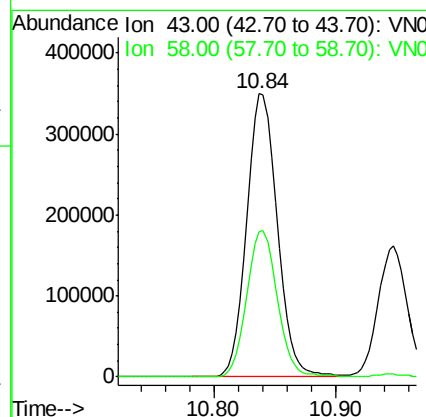
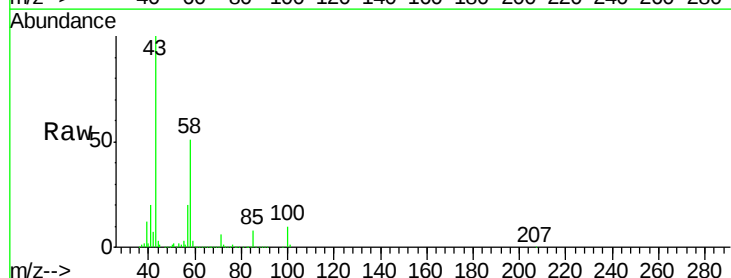
Manual Integrations
APPROVED

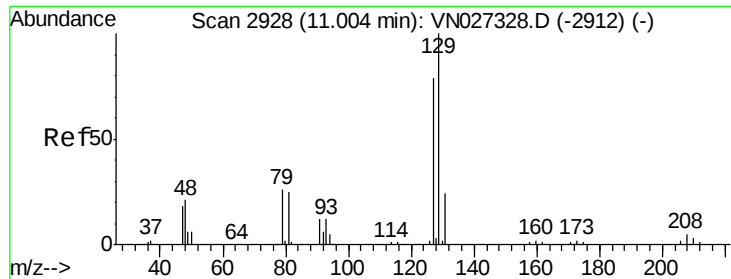
MMDadoda
9/22/2015 2:29:02 PM



#60
2-Hexanone
Concen: 105.49 ug/l
RT: 10.84 min Scan# 2876
Delta R.T. 0.00 min
Lab File: VN027347.D
Acq: 21 Sep 2015 23:44

Tgt Ion: 43 Resp: 601237
Ion Ratio Lower Upper
43 100
58 51.9 26.2 78.5





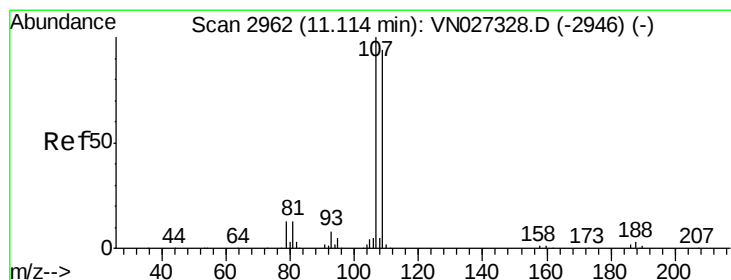
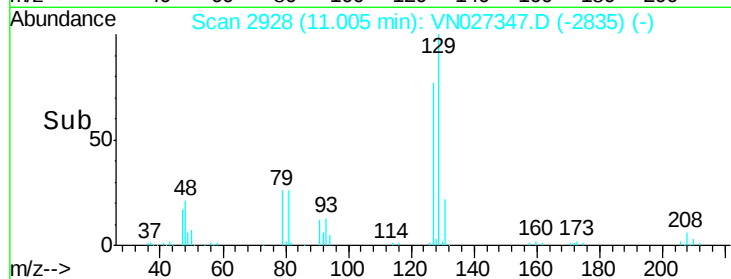
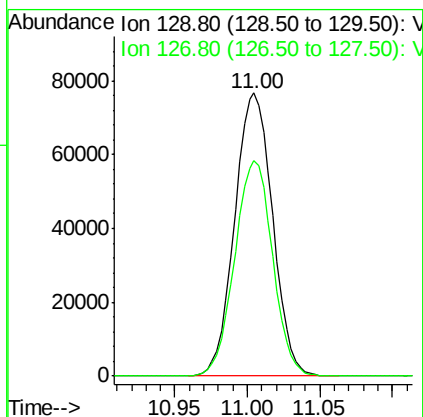
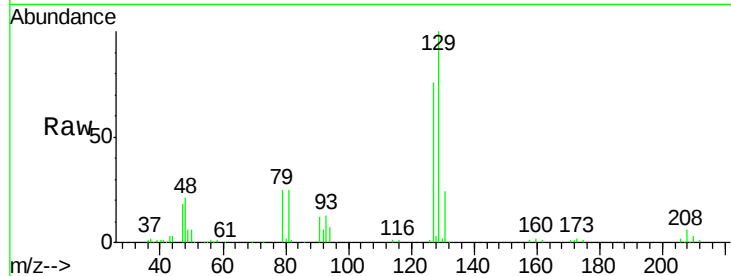
#61
Dibromochloromethane
Concen: 20.09 ug/l
RT: 11.00 min Scan# 2928
Delta R.T. 0.00 min
Lab File: VN027347.D
Acq: 21 Sep 2015 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.3	39.1	117.2

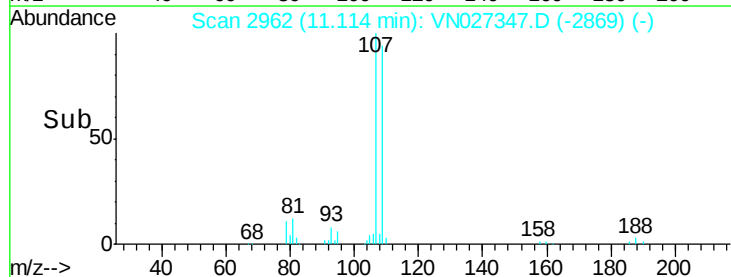
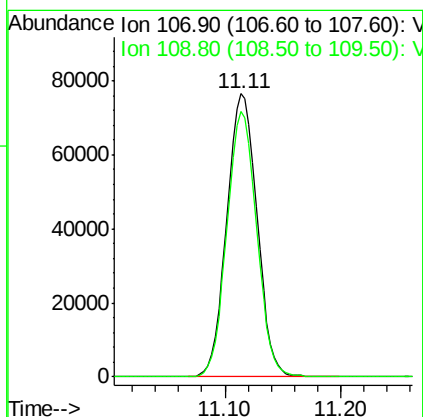
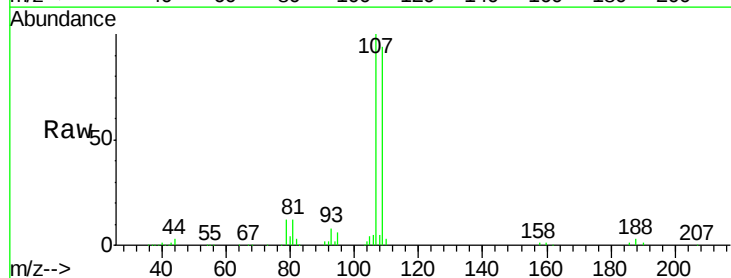
Manual Integrations
APPROVED

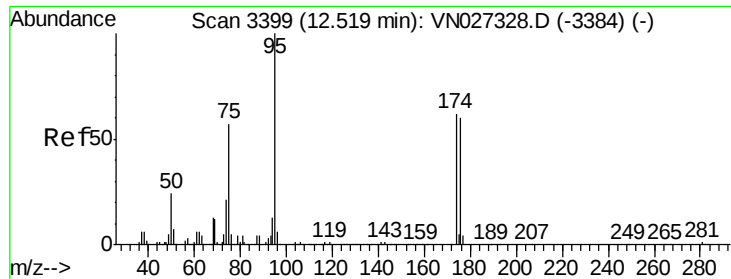
MMDadoda
9/22/2015 2:29:02 PM



#62
1,2-Dibromoethane
Concen: 20.50 ug/l
RT: 11.11 min Scan# 2962
Delta R.T. 0.00 min
Lab File: VN027347.D
Acq: 21 Sep 2015 23:44

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.1	75.6	113.4





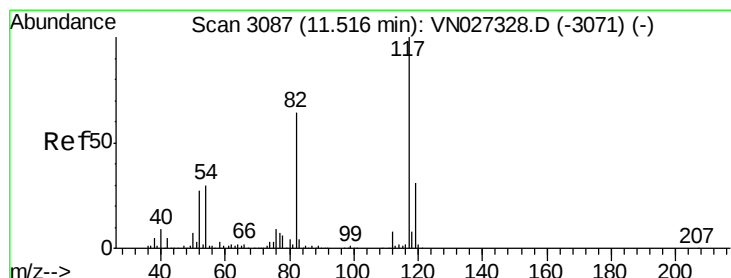
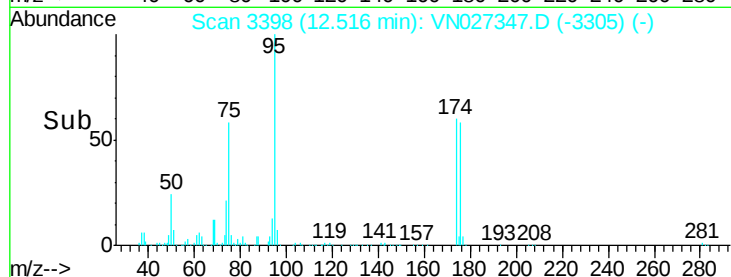
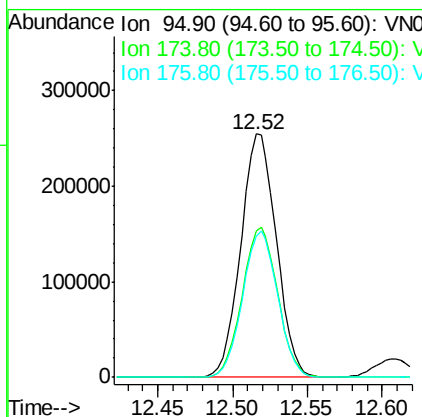
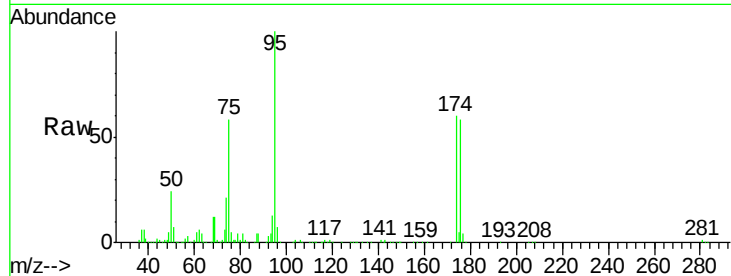
#63
4-Bromofluorobenzene
Concen: 45.03 ug/l
RT: 12.52 min Scan# 3398
Delta R.T. -0.00 min
Lab File: VN027347.D
Acq: 21 Sep 2015 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
95	100	423042		
174	61.2	0.0	137.0	
176	59.1	0.0	130.8	

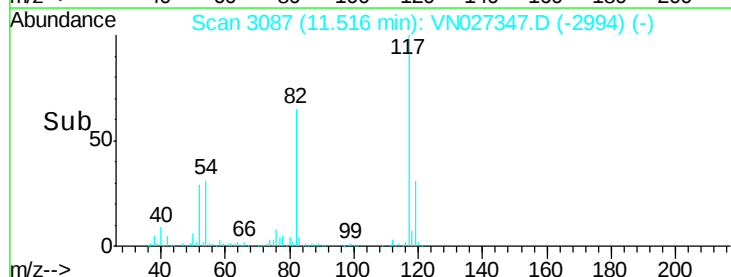
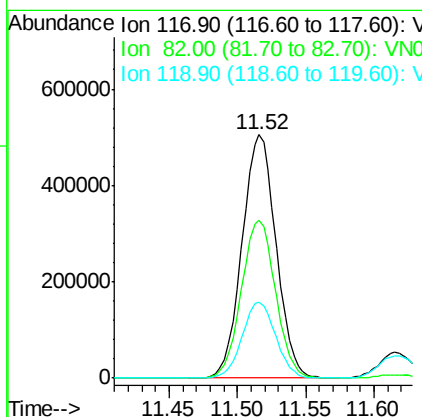
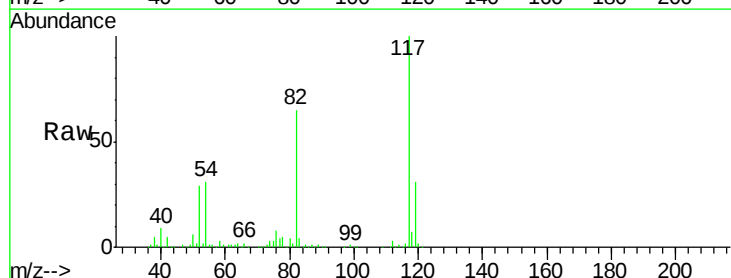
Manual Integrations
APPROVED

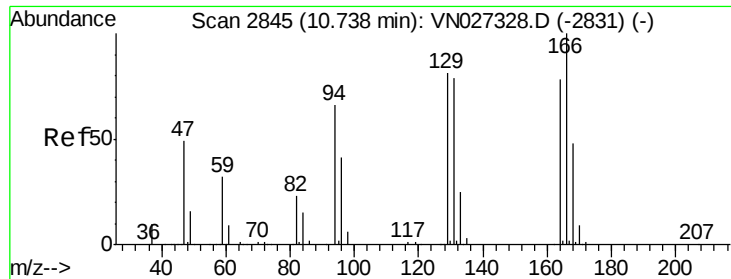
MMDadoda
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#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027347.D
Acq: 21 Sep 2015 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	872515		
82	65.1	49.6	74.4	
119	31.3	24.6	36.8	





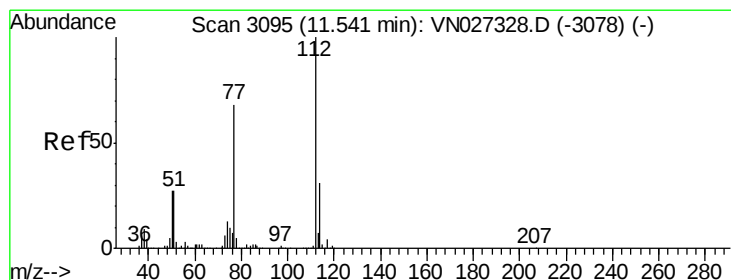
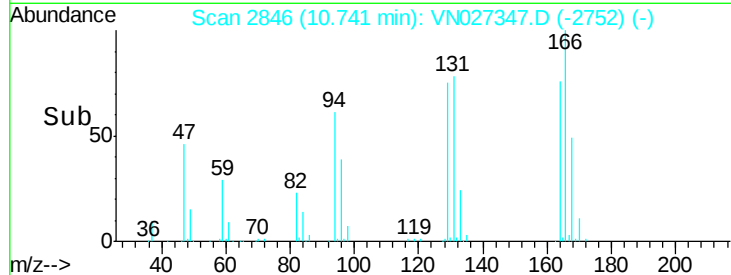
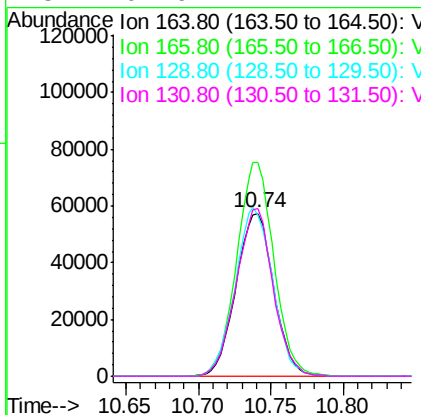
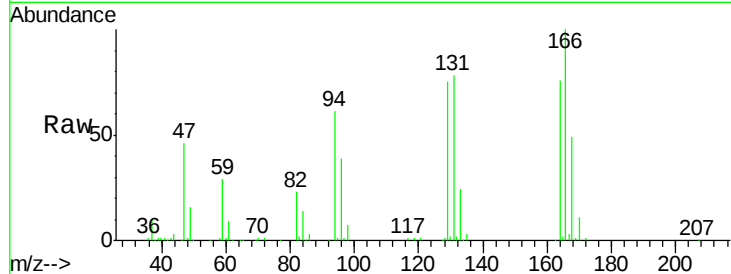
#65
Tetrachloroethene
Concen: 20.00 ug/l
RT: 10.74 min Scan# 2846
Delta R.T. 0.00 min
Lab File: VN027347.D
Acq: 21 Sep 2015 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion	Ratio	Lower	Upper
164	100		
166	131.1	103.4	155.0
129	98.8	77.5	116.3
131	102.6	74.2	111.4

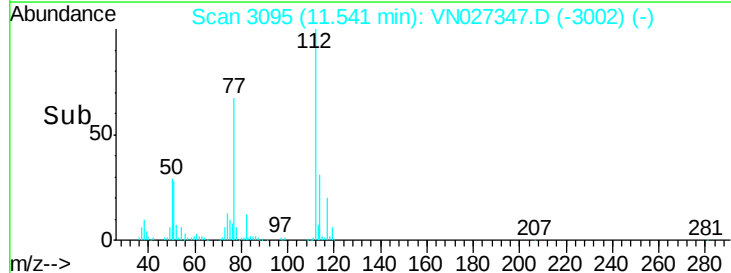
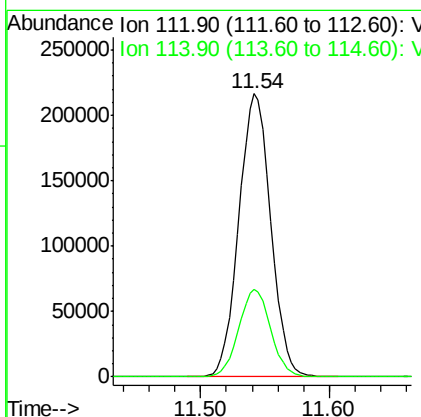
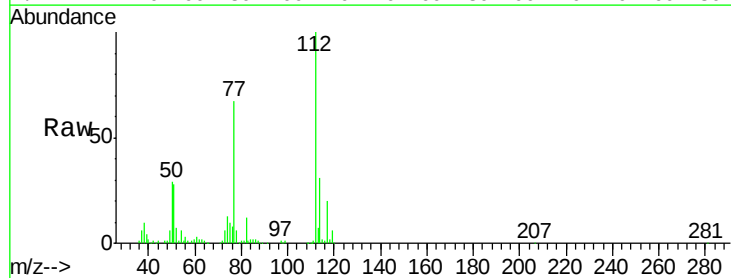
Manual Integrations
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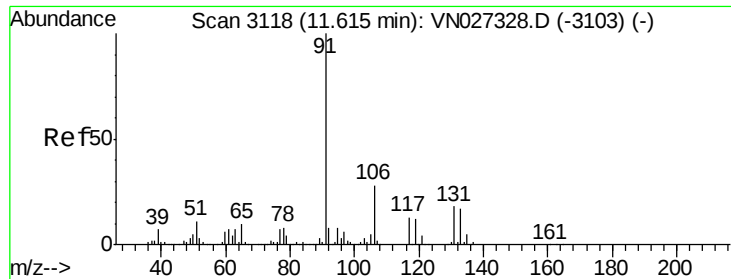
MMDadoda
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#66
Chlorobenzene
Concen: 19.90 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VN027347.D
Acq: 21 Sep 2015 23:44

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.0	24.9	37.3





#67

1,1,1,2-Tetrachloroethane

Concen: 19.98 ug/l

RT: 11.62 min Scan# 3118

Delta R.T. 0.00 min

Lab File: VN027347.D

Acq: 21 Sep 2015 23:44

Instrument :

MSVOA_N

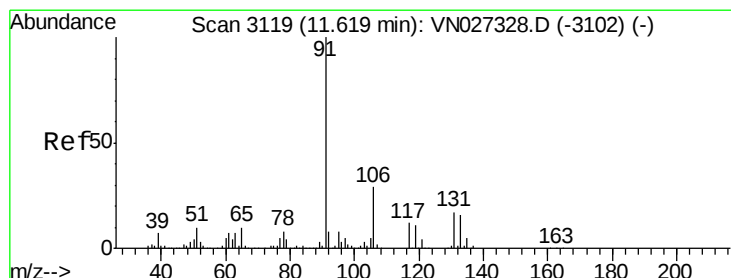
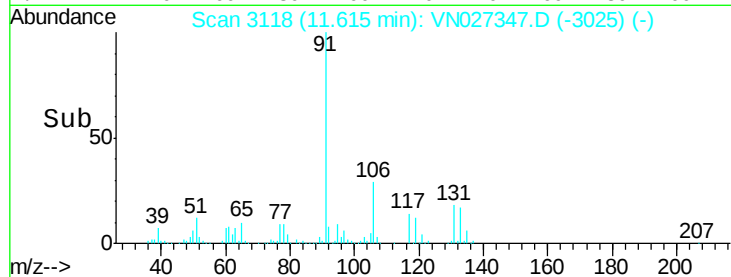
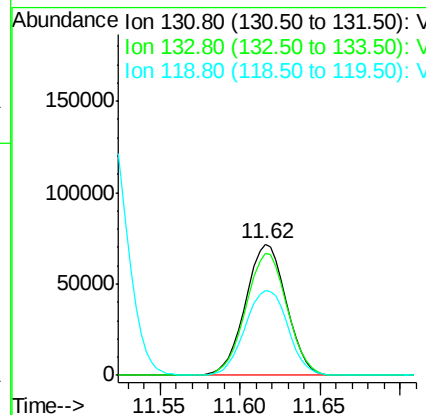
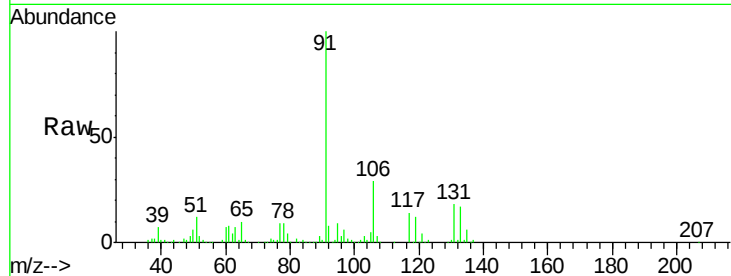
ClientSampleId :

VN0921WBSD02

Tot Ion:	131	Resp:	125430
Ion Ratio	Lower	Upper	
131	100		
133	93.6	47.0	141.2
119	67.6	35.1	105.5

Manual Integrations
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#68

Ethyl Benzene

Concen: 19.99 ug/l

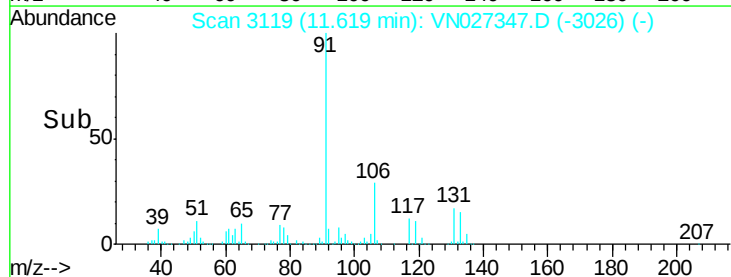
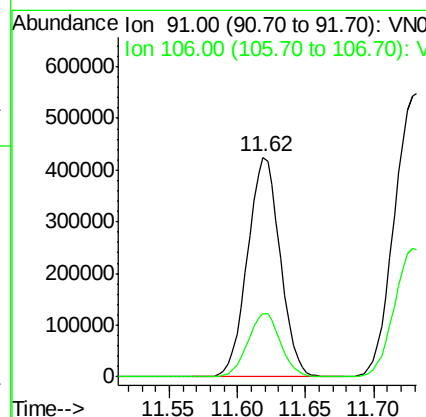
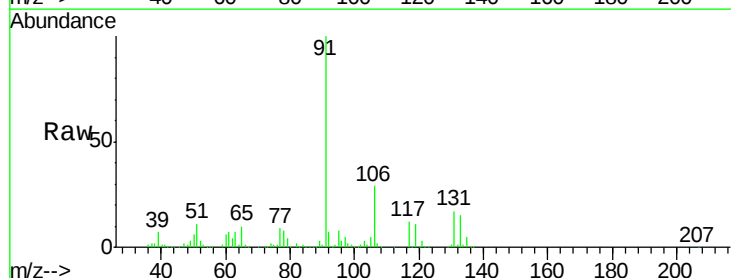
RT: 11.62 min Scan# 3119

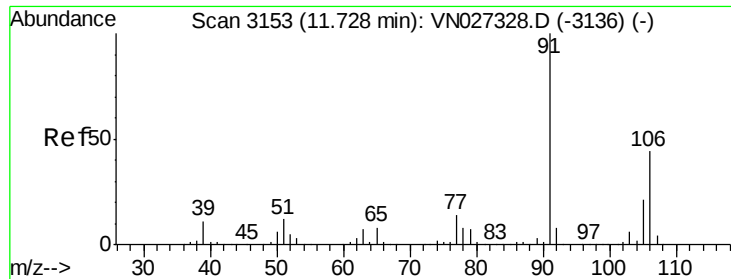
Delta R.T. 0.00 min

Lab File: VN027347.D

Acq: 21 Sep 2015 23:44

Tgt Ion:	91	Resp:	705525
Ion Ratio	Lower	Upper	
91	100		
106	29.1	23.1	34.7





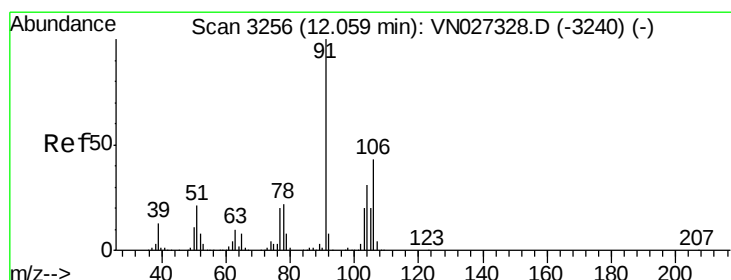
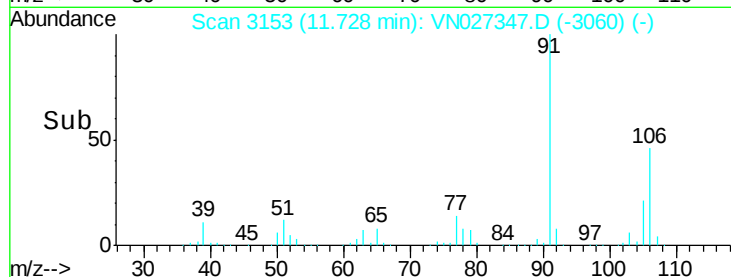
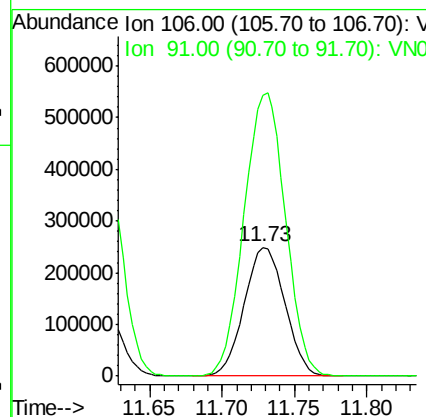
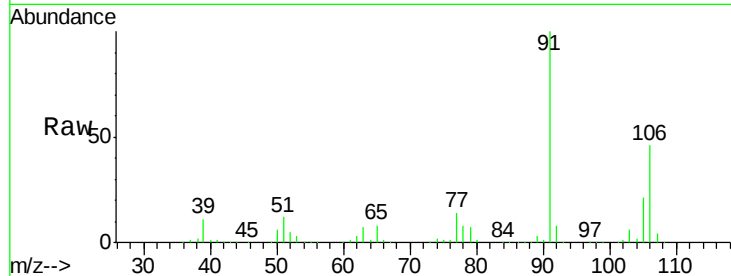
#69
m/p-Xvlenes
Concen: 39.65 ug/l
RT: 11.73 min Scan# 3153
Delta R.T. 0.00 min
Lab File: VN027347.D
Acq: 21 Sep 2015 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion:106 Resp: 485043
Ion Ratio Lower Upper
106 100
91 224.2 167.1 250.7

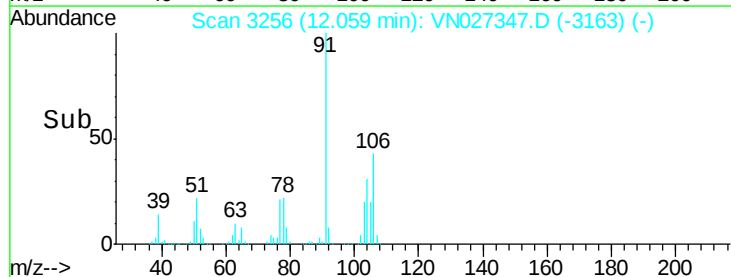
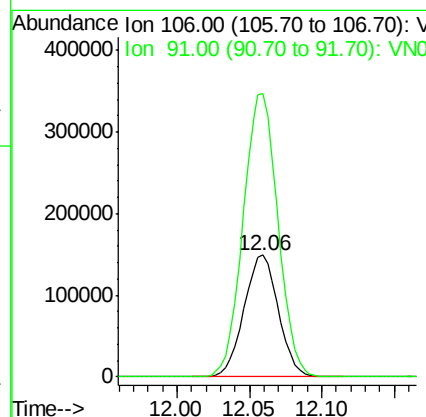
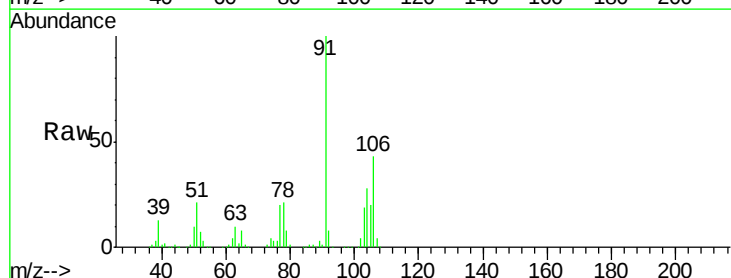
Manual Integrations
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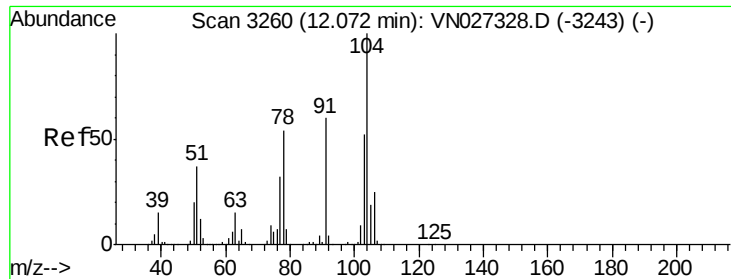
MMDadoda
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#70
o-Xylene
Concen: 19.85 ug/l
RT: 12.06 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN027347.D
Acq: 21 Sep 2015 23:44

Tgt Ion:106 Resp: 245396
Ion Ratio Lower Upper
106 100
91 235.7 110.7 331.9





#71

Stvrene

Concen: 19.79 ug/l

RT: 12.08 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN027347.D

Acq: 21 Sep 2015 23:44

Instrument :

MSVOA_N

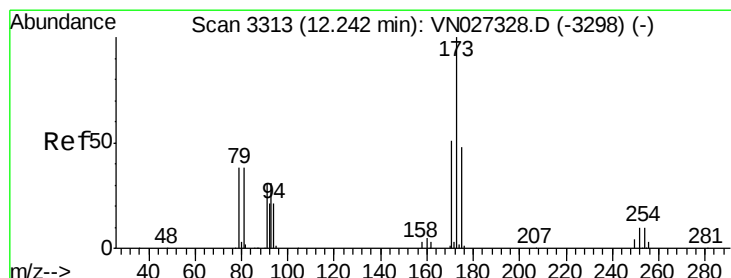
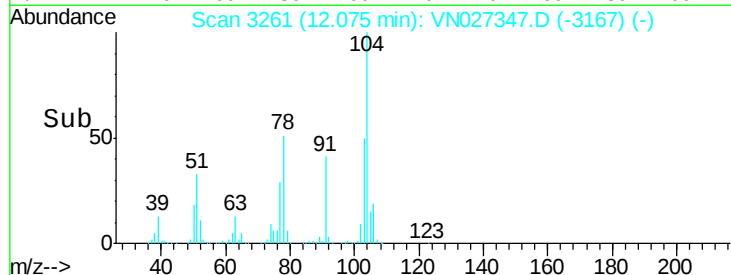
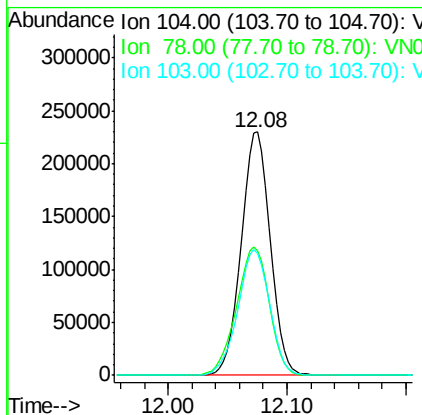
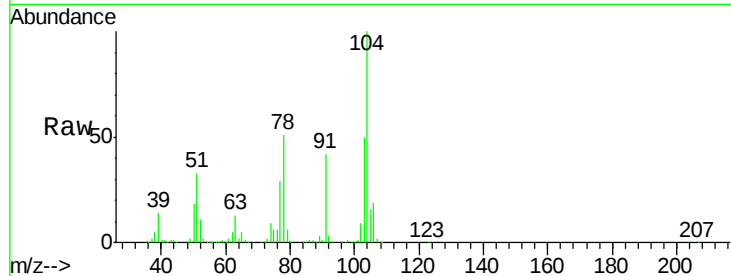
ClientSampleId :

VN0921WBSD02

Tot Ion:	104	Resp:	389444
Ion Ratio	Lower	Upper	
104	100		
78	59.4	41.6	62.4
103	56.5	44.2	66.2

Manual Integrations
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#72

Bromoform

Concen: 19.03 ug/l

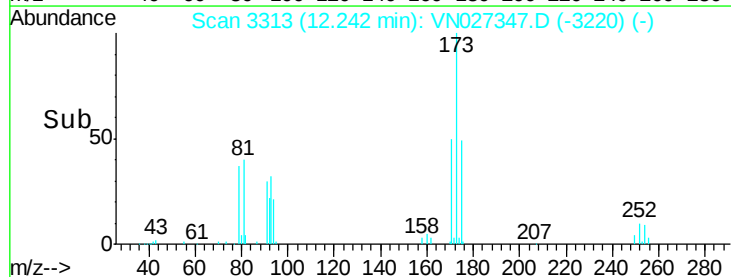
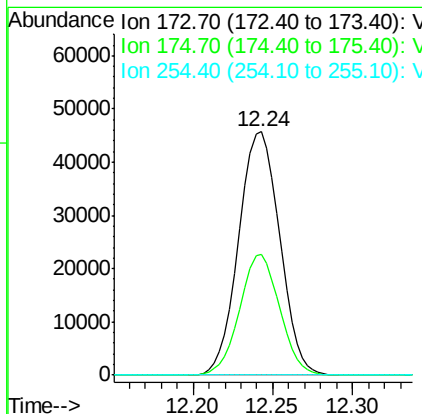
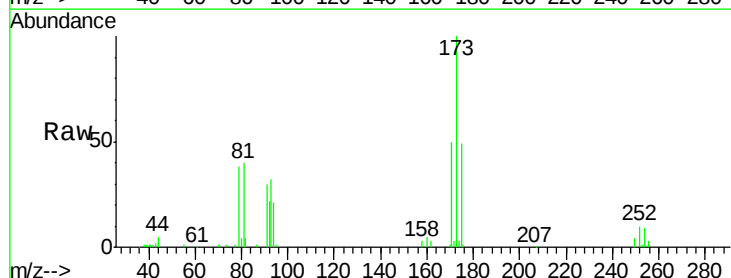
RT: 12.24 min Scan# 3313

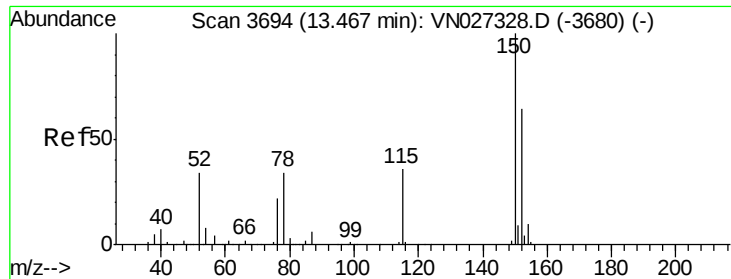
Delta R.T. 0.00 min

Lab File: VN027347.D

Acq: 21 Sep 2015 23:44

Tgt Ion:	173	Resp:	80144
Ion Ratio	Lower	Upper	
173	100		
175	48.1	24.4	73.4
254	0.0	0.1	0.1#





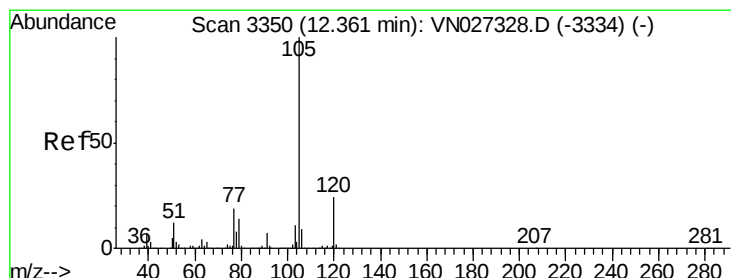
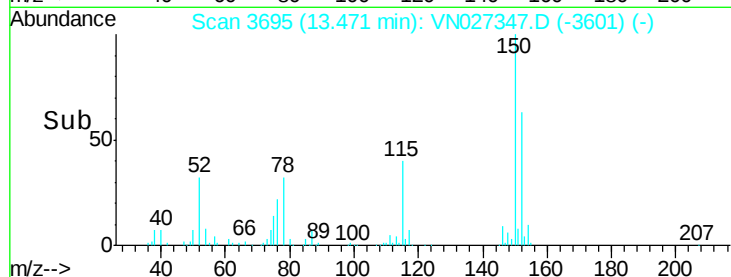
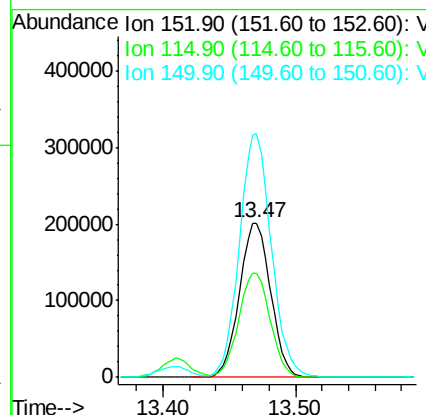
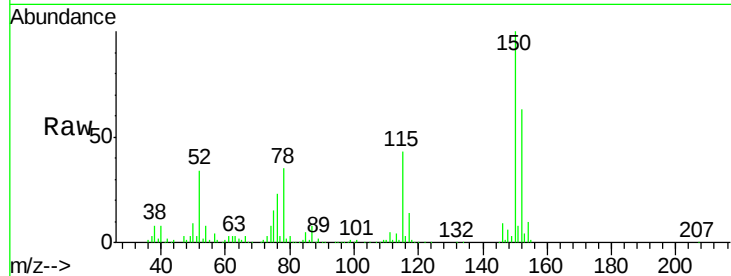
#73
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.47 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN027347.D
 Acq: 21 Sep 2015 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD02

Tot Ion	Ratio	Lower	Upper
152	100		
115	68.4	30.8	92.3
150	161.8	0.0	345.0

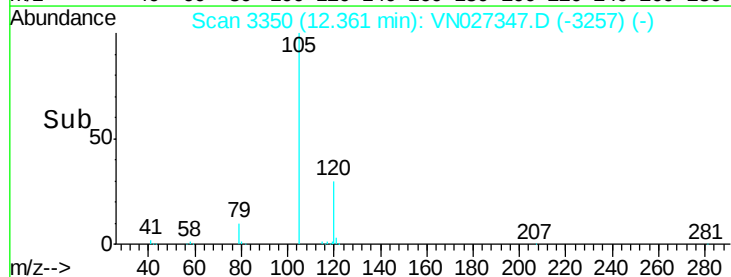
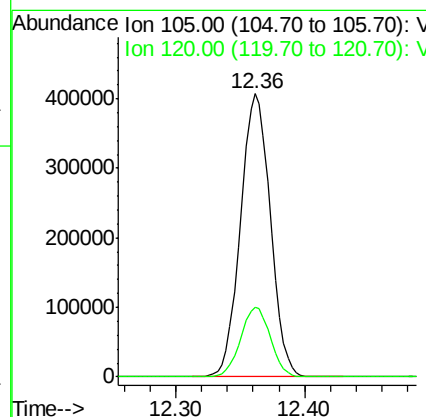
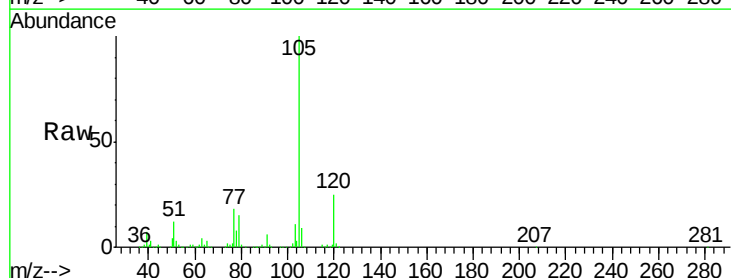
Manual Integrations
 APPROVED

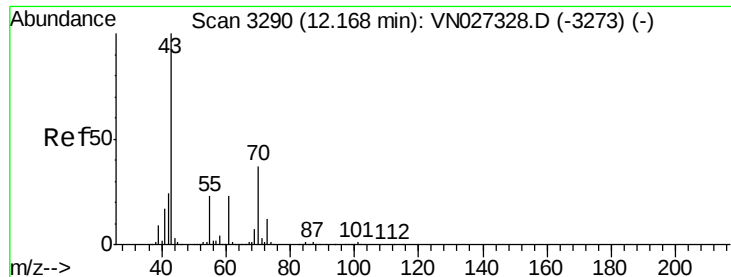
MMDadoda
 9/22/2015 2:29:02 PM



#74
 Isopropylbenzene
 Concen: 19.89 ug/l
 RT: 12.36 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VN027347.D
 Acq: 21 Sep 2015 23:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.6	12.4	37.2





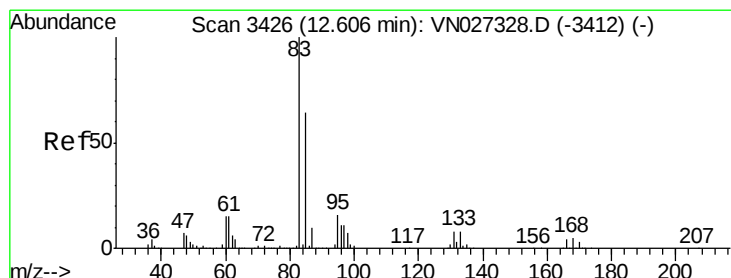
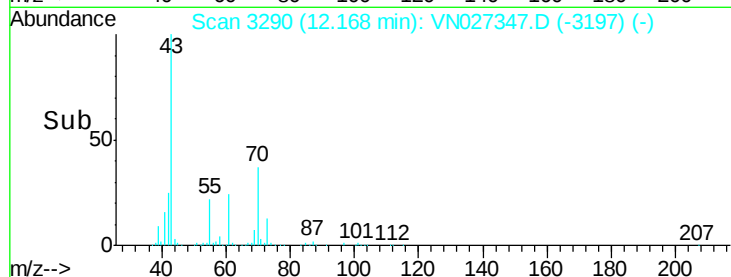
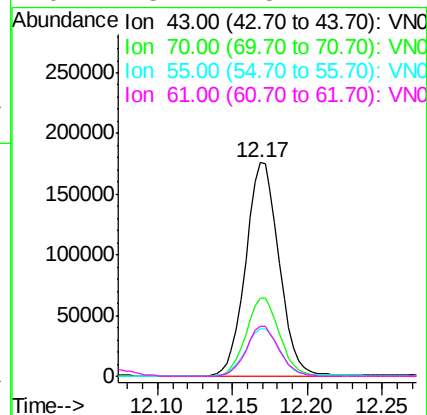
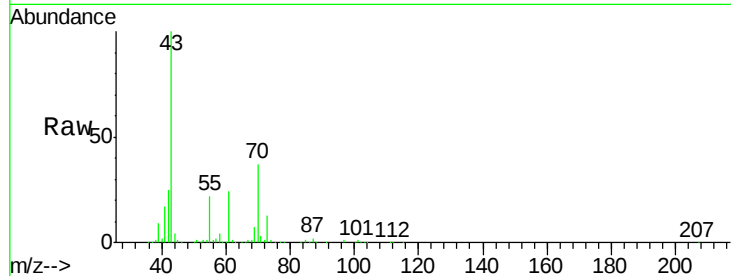
#75
N-amvl acetate
Concen: 20.79 ug/l
RT: 12.17 min Scan# 3290
Delta R.T. 0.00 min
Lab File: VN027347.D
Acq: 21 Sep 2015 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		271530		
70	37.1	29.8	44.8		
55	23.1	19.4	29.0		
61	23.4	18.2	27.2		

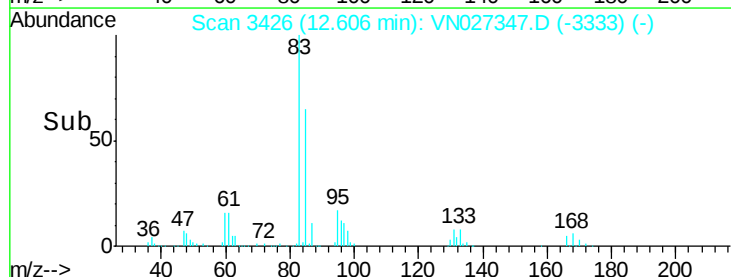
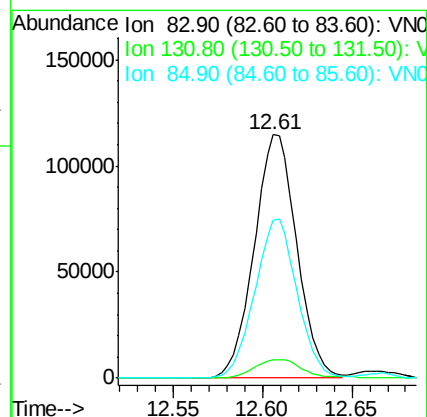
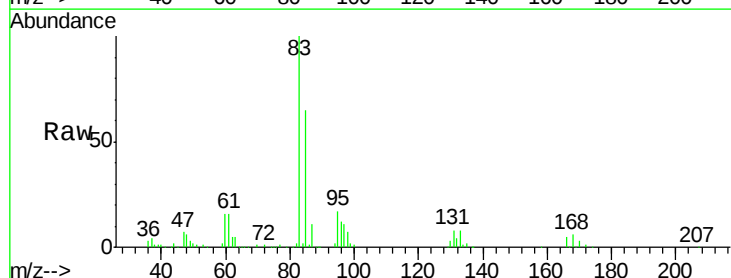
Manual Integrations
APPROVED

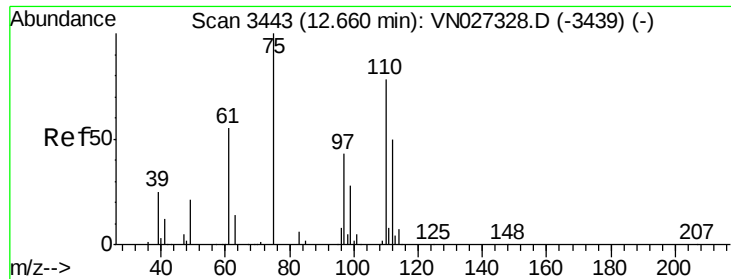
MMDadoda
9/22/2015 2:29:02 PM



#76
1,1,2,2-Tetrachloroethane
Concen: 20.64 ug/l
RT: 12.61 min Scan# 3426
Delta R.T. 0.00 min
Lab File: VN027347.D
Acq: 21 Sep 2015 23:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		191206		
131	8.4	4.1	12.3		
85	64.8	31.9	95.7		





#77

1,2,3-Trichloropropane

Concen: 20.66 ug/l m

RT: 12.66 min Scan# 3444

Delta R.T. 0.00 min

Lab File: VN027347.D

Acq: 21 Sep 2015 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD02

Tot Ion: 75 Resp: 170388

Ion Ratio Lower Upper

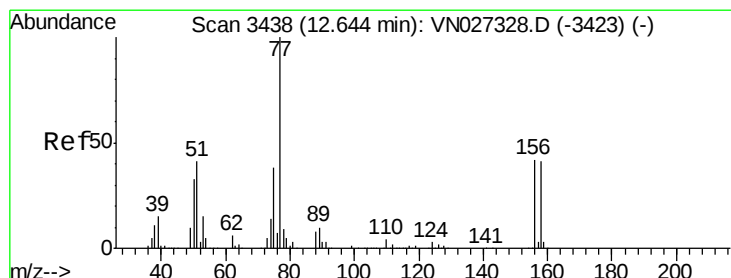
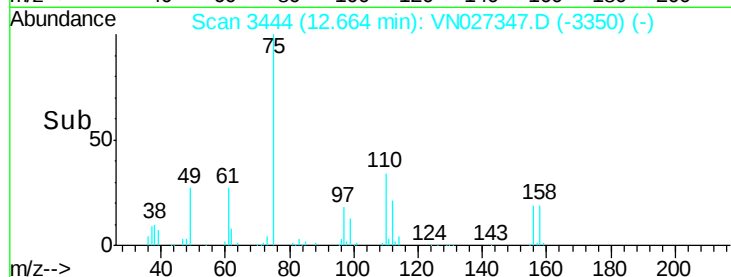
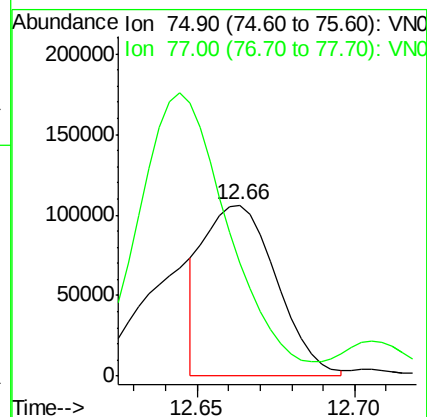
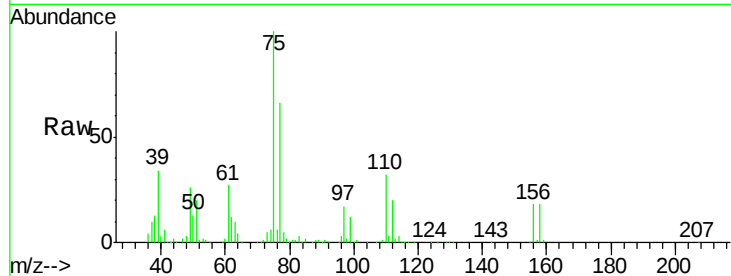
75 100

77 204.1 103.1 309.3

Manual Integrations
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#78

Bromobenzene

Concen: 19.93 ug/l

RT: 12.64 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VN027347.D

Acq: 21 Sep 2015 23:44

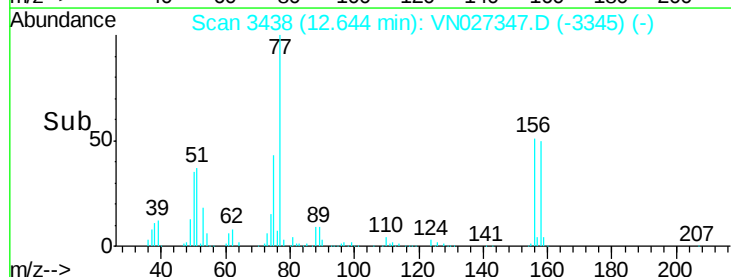
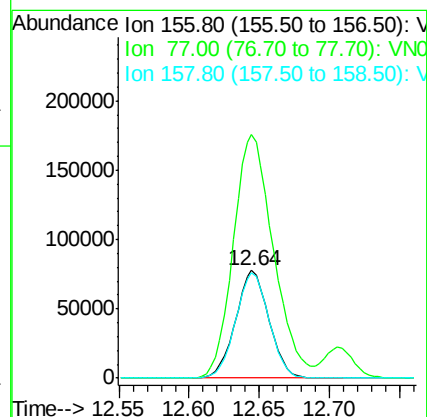
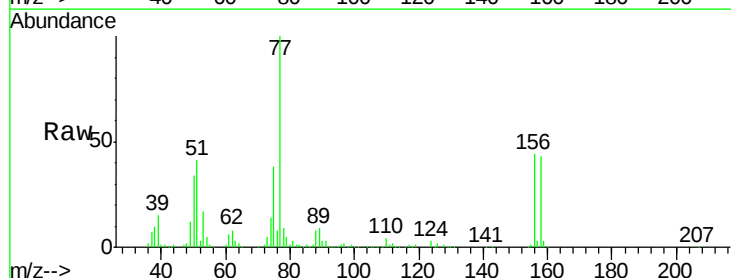
Tgt Ion: 156 Resp: 128394

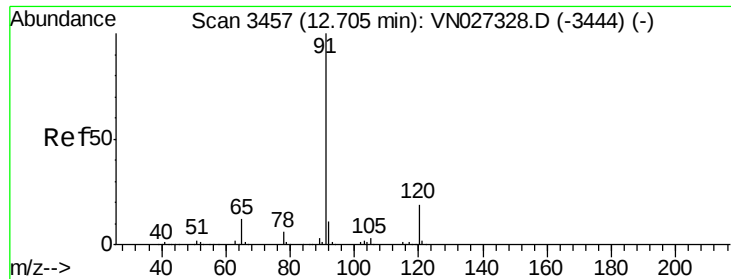
Ion Ratio Lower Upper

156 100

77 270.8 127.3 381.9

158 98.1 48.0 144.2





#79

n-propylbenzene

Concen: 19.47 ug/l

RT: 12.71 min Scan# 3457

Delta R.T. 0.00 min

Lab File: VN027347.D

Acq: 21 Sep 2015 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD02

Tot Ion: 91 Resp: 764180

Ion Ratio Lower Upper

91 100

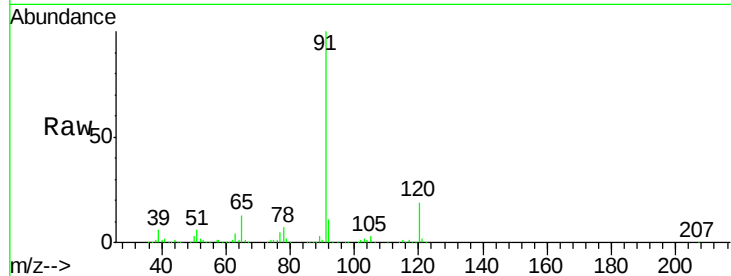
120 19.5 10.3 30.8

Manual Integrations

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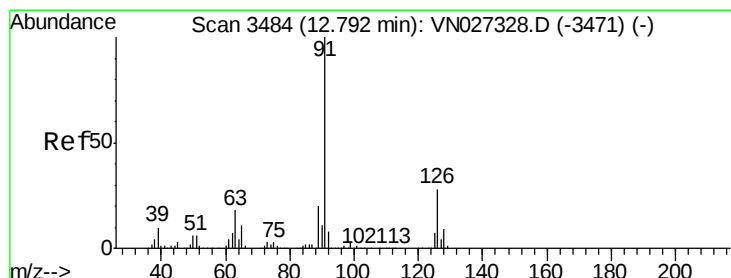
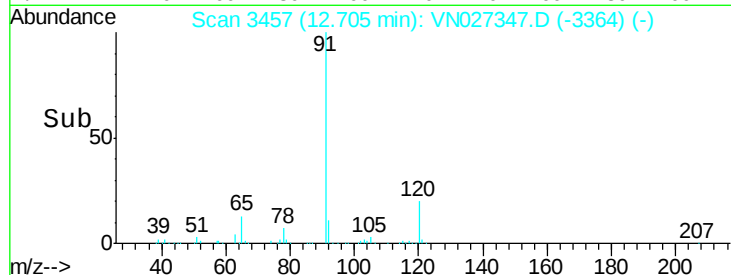
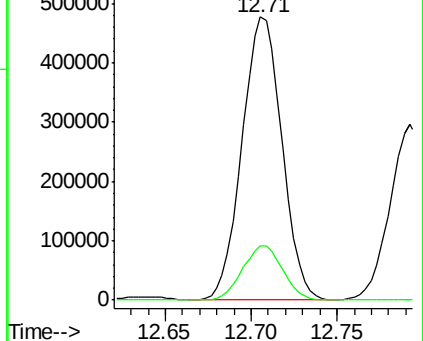
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#80

2-Chlorotoluene

Concen: 19.77 ug/l

RT: 12.79 min Scan# 3484

Delta R.T. 0.00 min

Lab File: VN027347.D

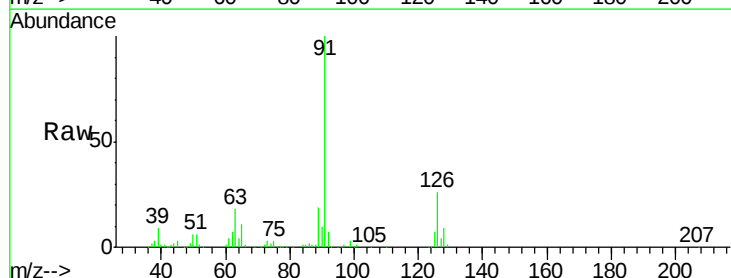
Acq: 21 Sep 2015 23:44

Tgt Ion: 91 Resp: 474417

Ion Ratio Lower Upper

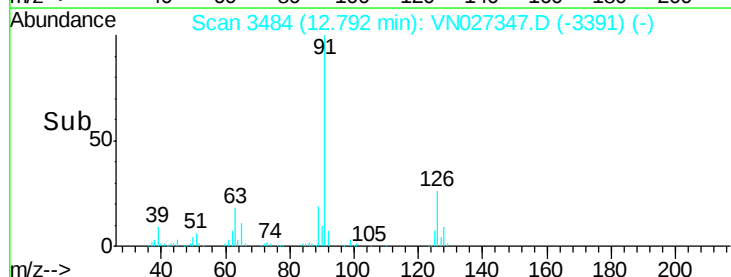
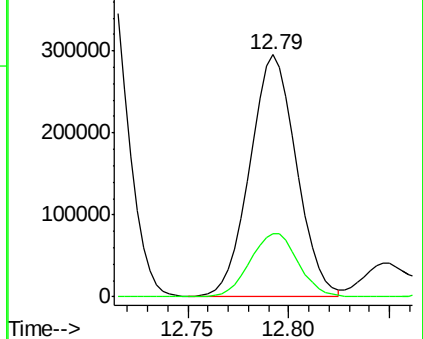
91 100

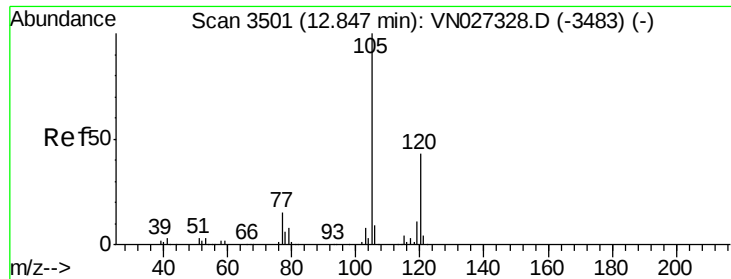
126 27.2 15.2 45.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





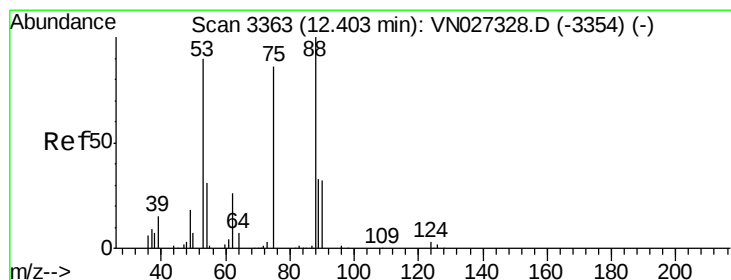
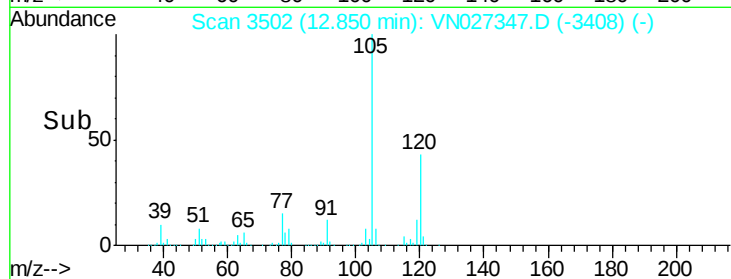
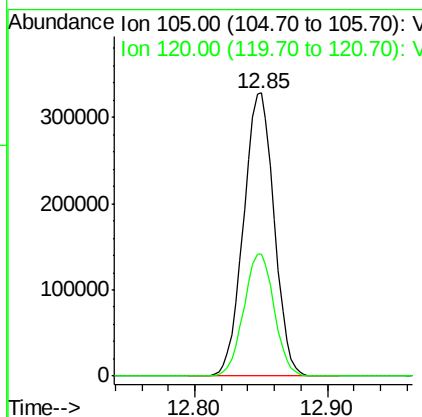
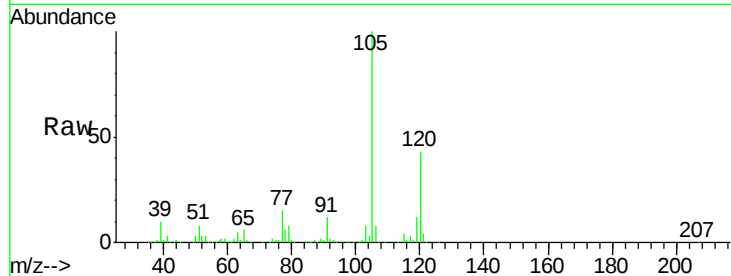
#81
 1,3,5-Trimethylbenzene
 Concen: 19.64 ug/l
 RT: 12.85 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN027347.D
 Acq: 21 Sep 2015 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.2	23.4	70.0

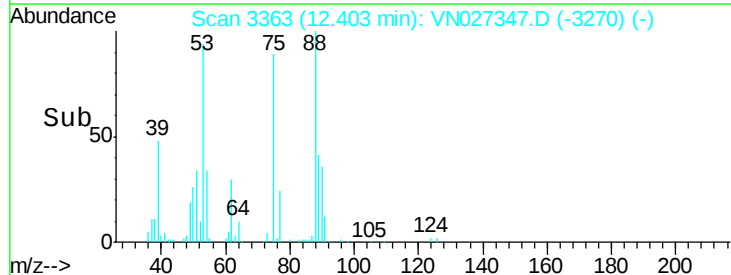
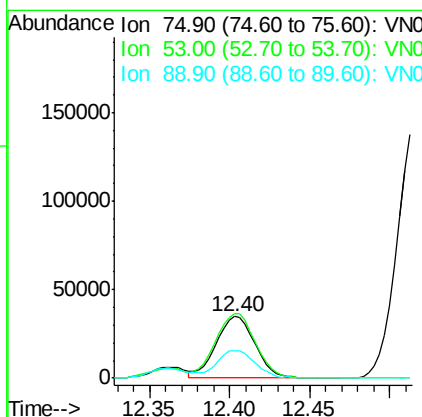
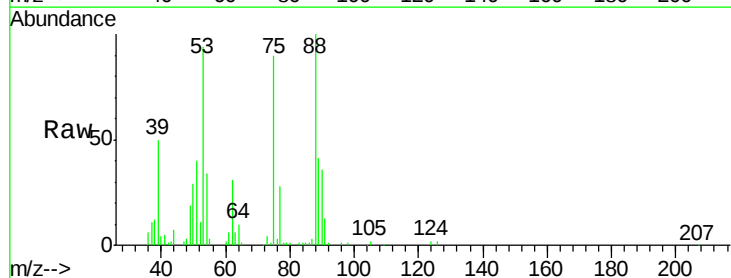
Manual Integrations
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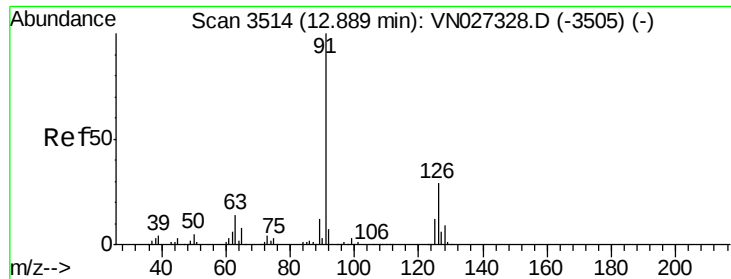
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#82
 trans-1,4-Dichloro-2-butene
 Concen: 18.20 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN027347.D
 Acq: 21 Sep 2015 23:44

Tgt Ion	Ratio	Lower	Upper
75	100		
53	105.7	92.9	139.3
89	43.8	34.2	51.4





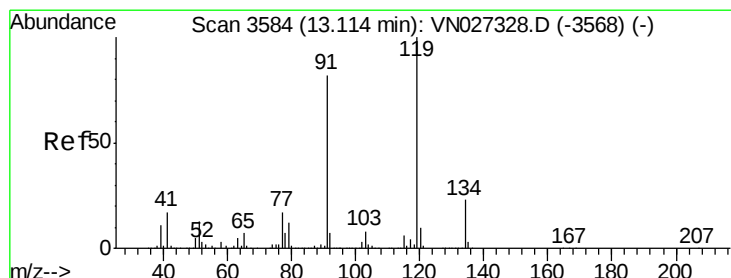
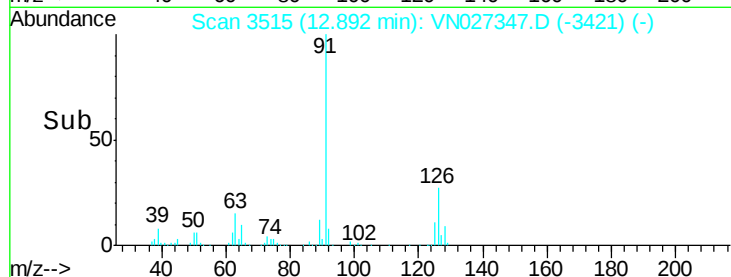
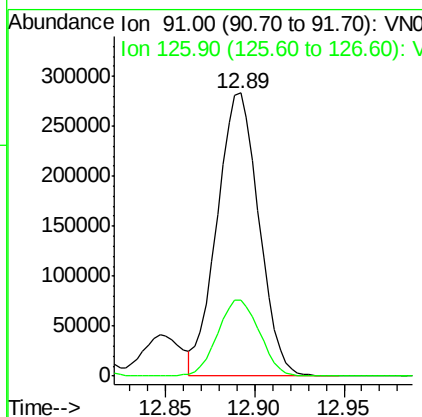
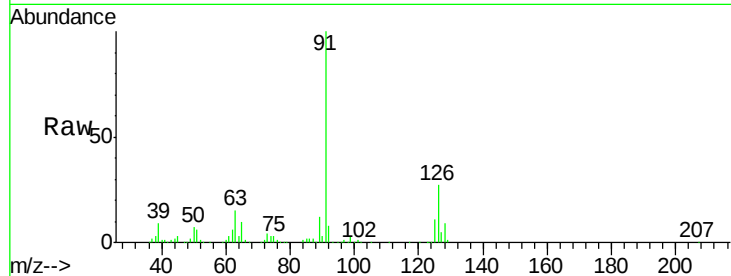
#83
4-Chlorotoluene
Concen: 19.61 ug/l
RT: 12.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VN027347.D
Acq: 21 Sep 2015 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion: 91 Resp: 459346
Ion Ratio Lower Upper
91 100
126 27.1 14.9 44.5

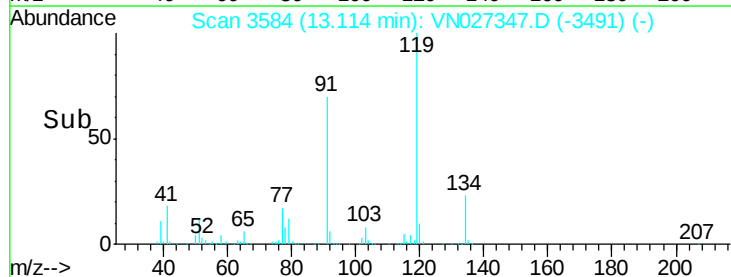
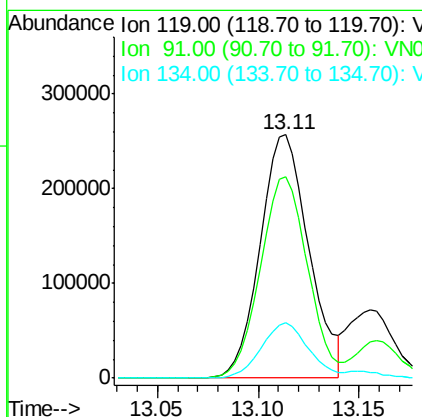
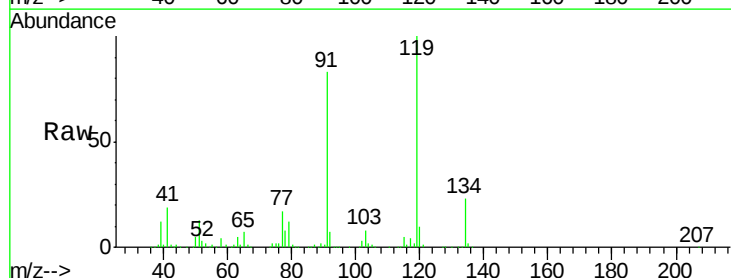
Manual Integrations
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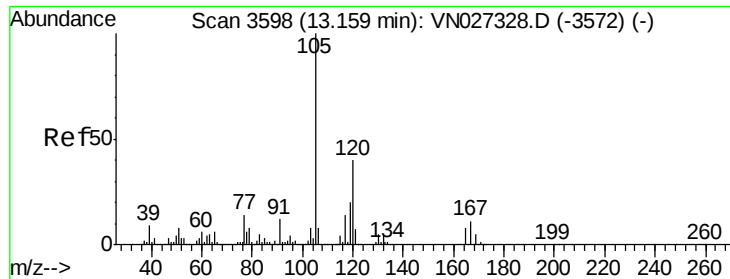
MMDadoda
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#84
tert-Butylbenzene
Concen: 20.13 ug/l
RT: 13.11 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN027347.D
Acq: 21 Sep 2015 23:44

Tgt Ion: 119 Resp: 431790
Ion Ratio Lower Upper
119 100
91 80.7 34.6 103.8
134 22.2 11.4 34.2





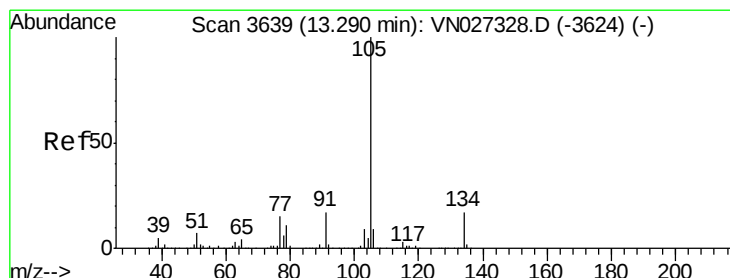
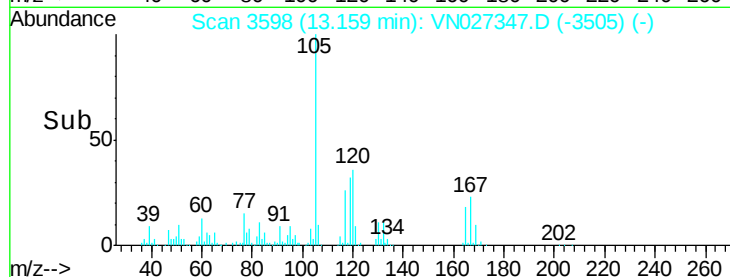
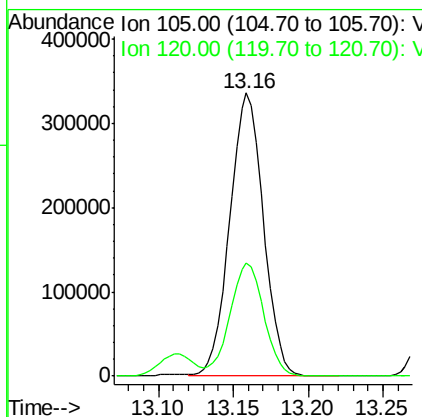
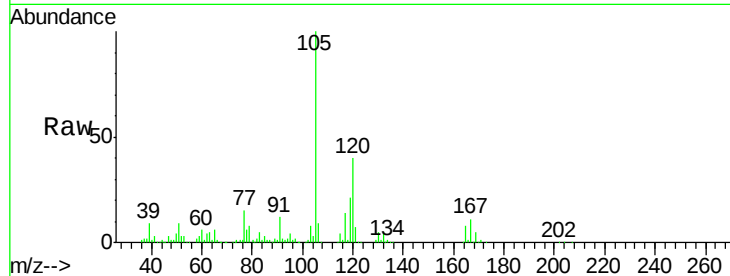
#85
 1,2,4-Trimethylbenzene
 Concen: 19.80 ug/l
 RT: 13.16 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN027347.D
 Acq: 21 Sep 2015 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	40.4	21.9	65.5

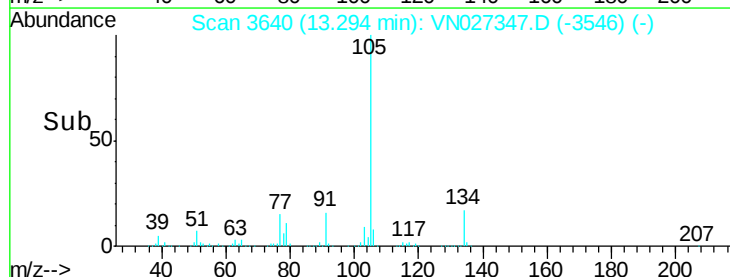
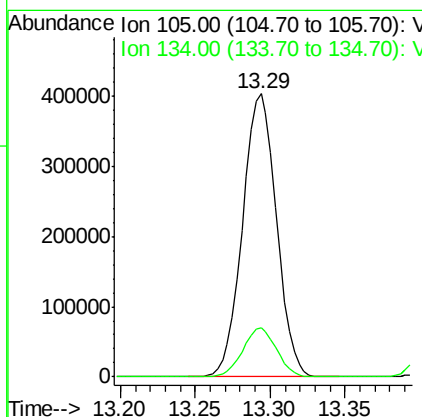
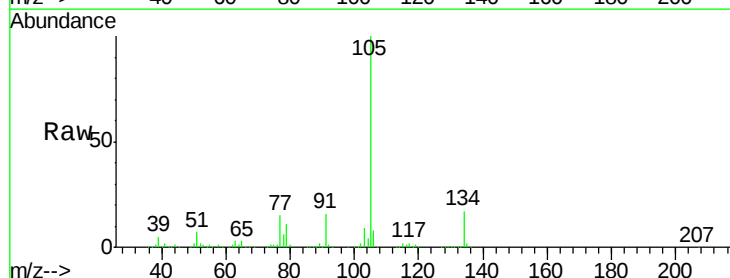
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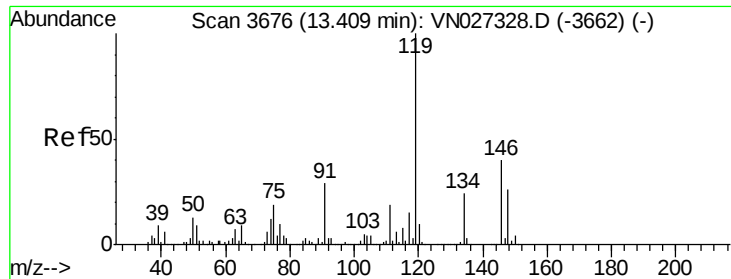
MMDadoda
 9/22/2015 2:29:02 PM



#86
 sec-Butylbenzene
 Concen: 19.93 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN027347.D
 Acq: 21 Sep 2015 23:44

Tgt Ion	Ratio	Lower	Upper
105	100		
134	17.2	8.8	26.4





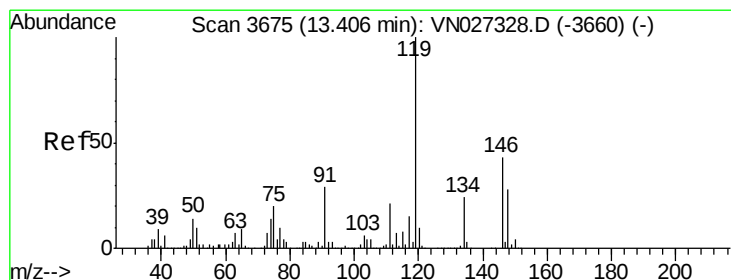
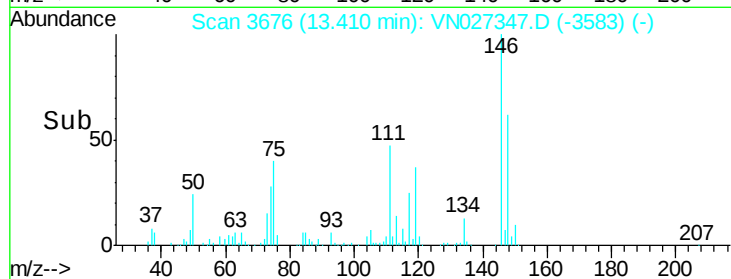
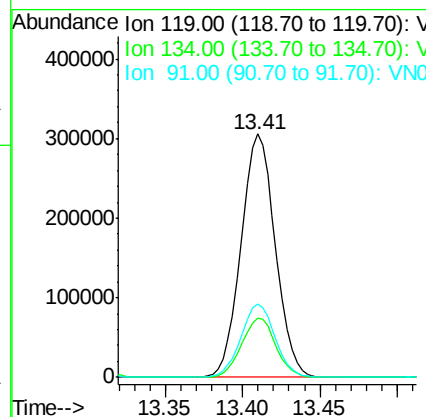
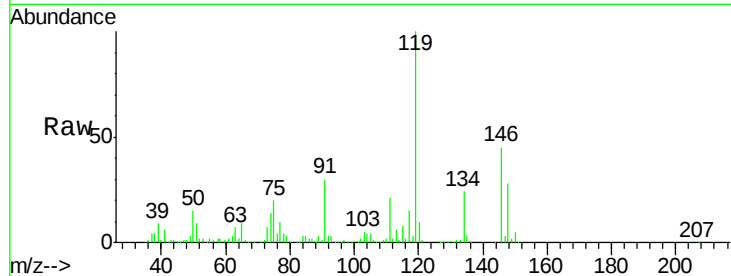
#87
 p-Isopropyltoluene
 Concen: 19.55 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027347.D
 Acq: 21 Sep 2015 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	468406		
134	24.3		12.4	37.0
91	29.9		12.0	36.1

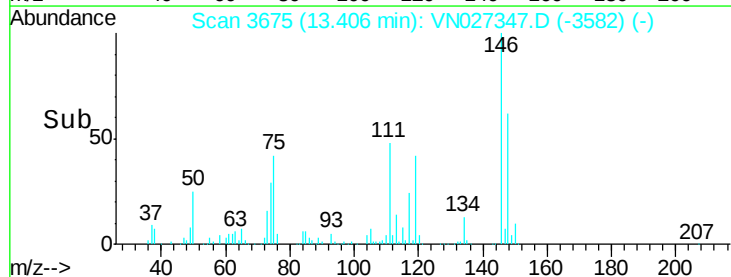
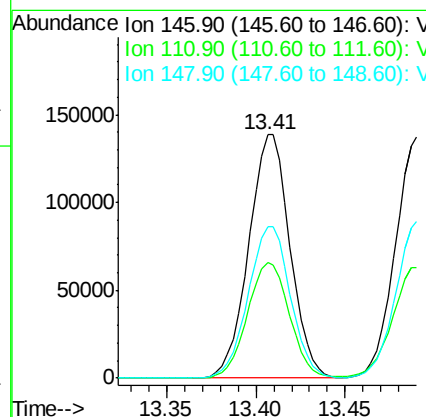
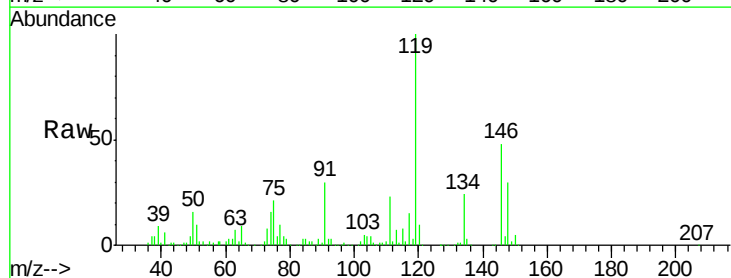
Manual Integrations
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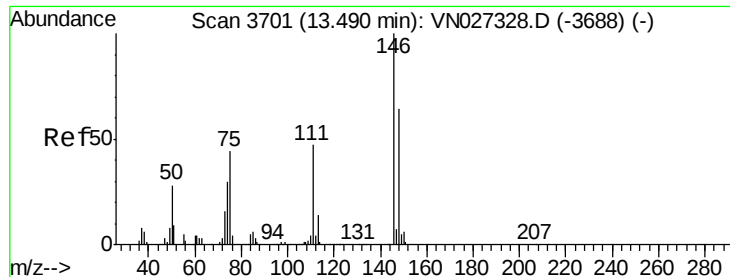
MMDadoda
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#88
 1,3-Dichlorobenzene
 Concen: 20.11 ug/l
 RT: 13.41 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN027347.D
 Acq: 21 Sep 2015 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	223476		
111	48.5		21.0	63.0
148	63.7		31.9	95.9





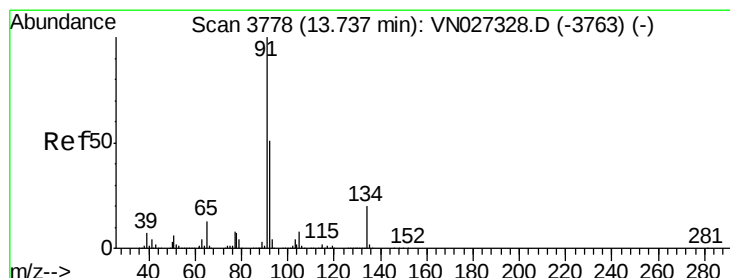
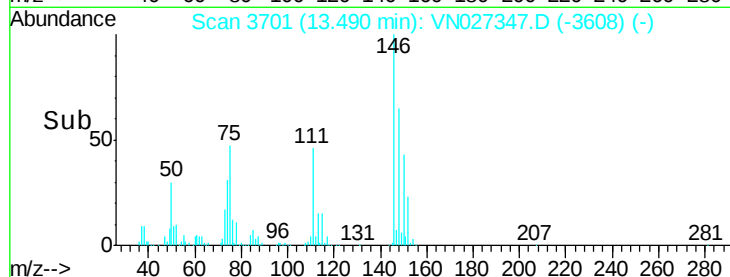
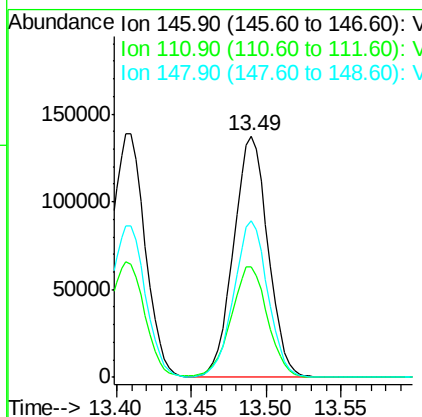
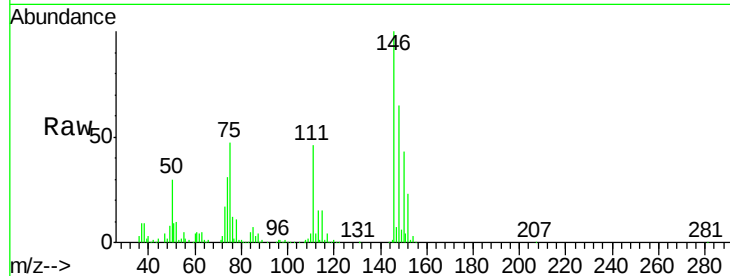
#89
 1,4-Dichlorobenzene
 Concen: 19.50 ug/l
 RT: 13.49 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VN027347.D
 Acq: 21 Sep 2015 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.5	19.9	59.6
148	64.5	31.7	95.1

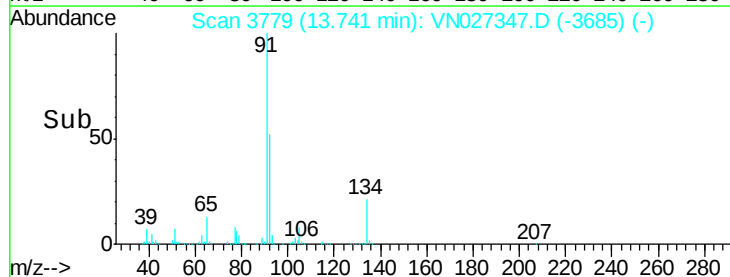
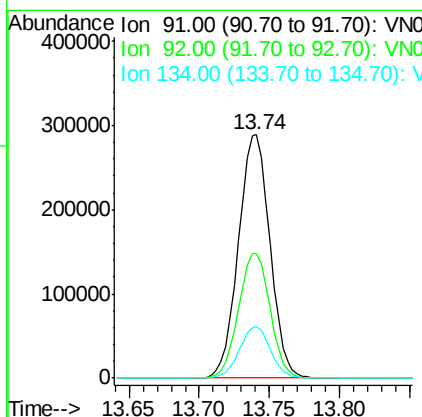
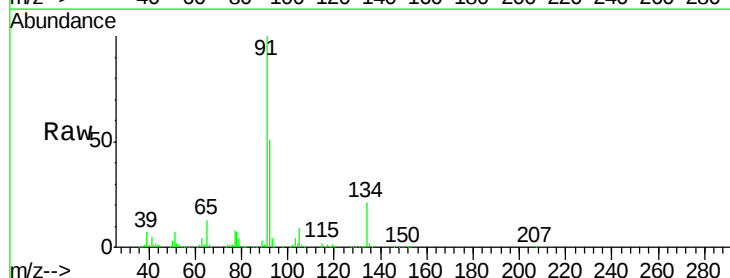
Manual Integrations
 APPROVED

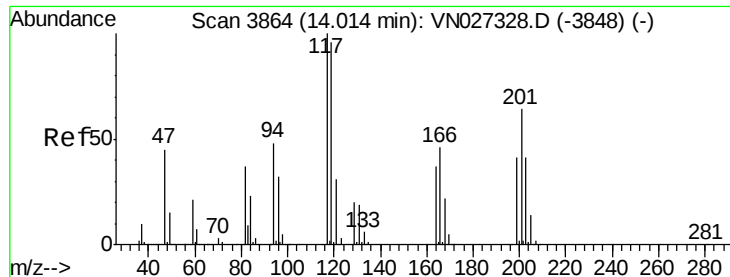
MMDadoda
 9/22/2015 2:29:02 PM



#90
 n-Butylbenzene
 Concen: 18.97 ug/l
 RT: 13.74 min Scan# 3779
 Delta R.T. 0.00 min
 Lab File: VN027347.D
 Acq: 21 Sep 2015 23:44

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.1	78.2
134	20.8	11.1	33.1





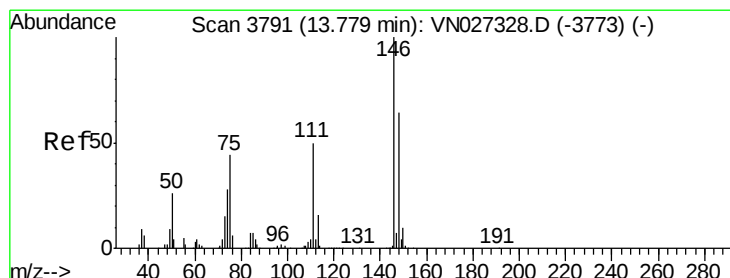
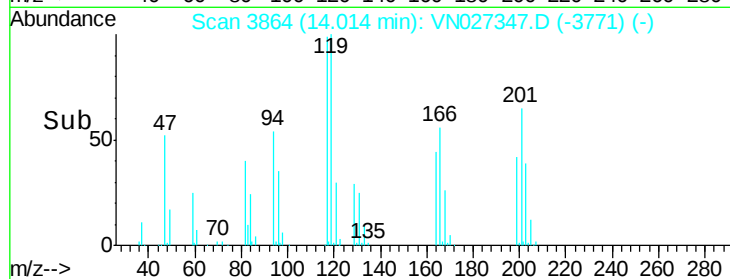
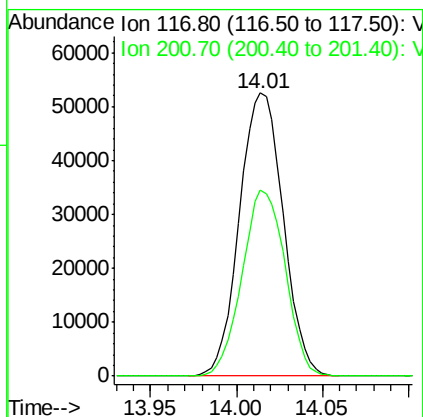
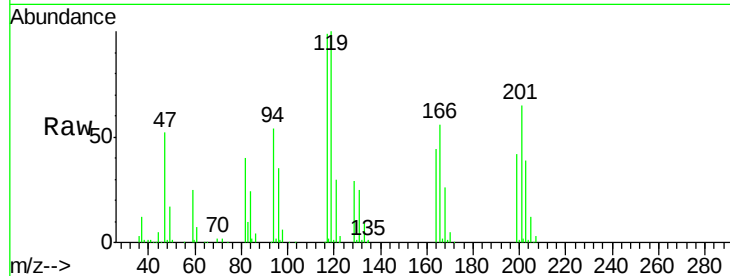
#91
Hexachloroethane
Concen: 18.11 ug/l
RT: 14.01 min Scan# 3864
Delta R.T. 0.00 min
Lab File: VN027347.D
Acq: 21 Sep 2015 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion:117 Resp: 92758
Ion Ratio Lower Upper
117 100
201 64.8 34.9 104.7

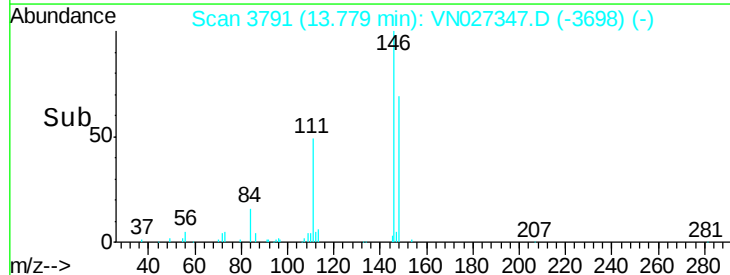
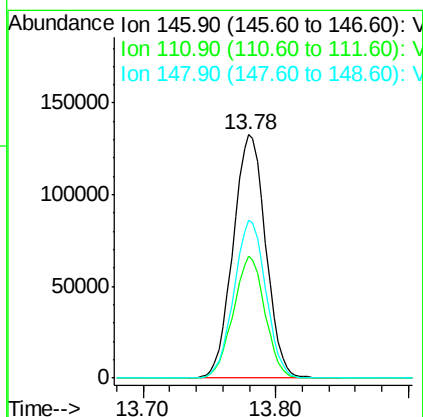
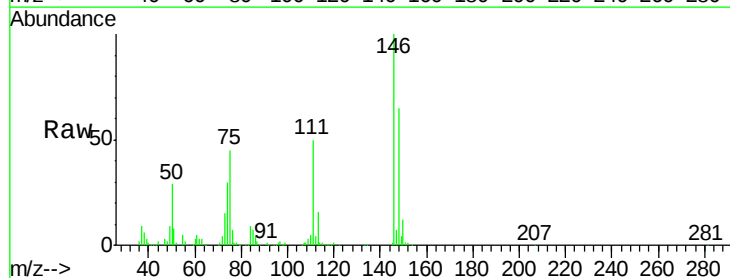
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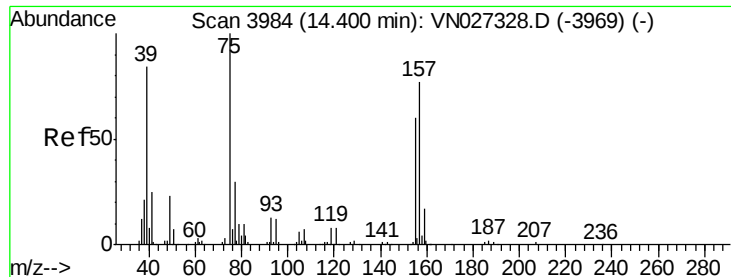
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#92
1,2-Dichlorobenzene
Concen: 20.40 ug/l
RT: 13.78 min Scan# 3791
Delta R.T. 0.00 min
Lab File: VN027347.D
Acq: 21 Sep 2015 23:44

Tgt Ion:146 Resp: 226550
Ion Ratio Lower Upper
146 100
111 48.6 22.1 66.3
148 63.6 32.0 96.0





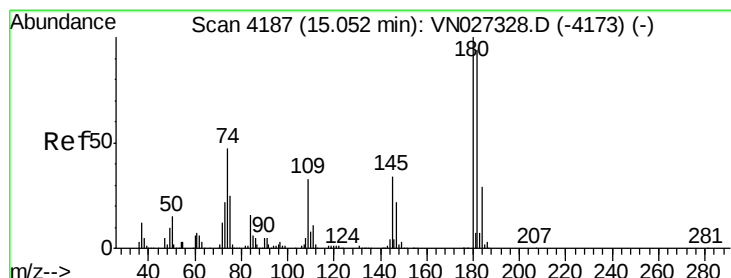
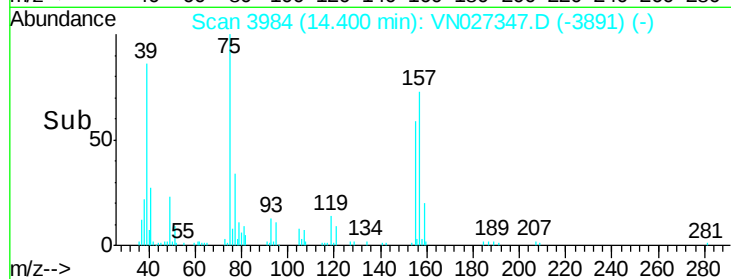
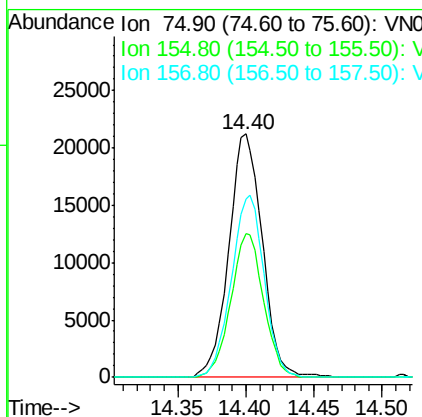
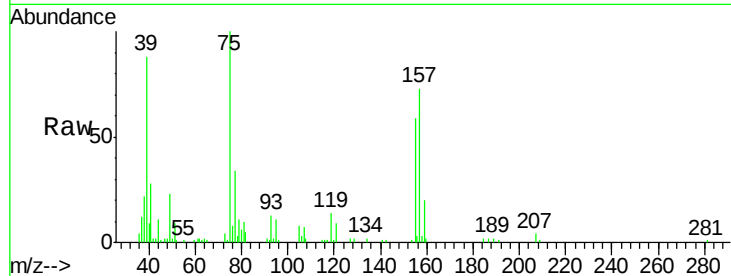
#93
 1,2-Dibromo-3-Chloropropane
 Concen: 19.97 ug/l
 RT: 14.40 min Scan# 3984
 Delta R.T. 0.00 min
 Lab File: VN027347.D
 Acq: 21 Sep 2015 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD02

Manual Integrations
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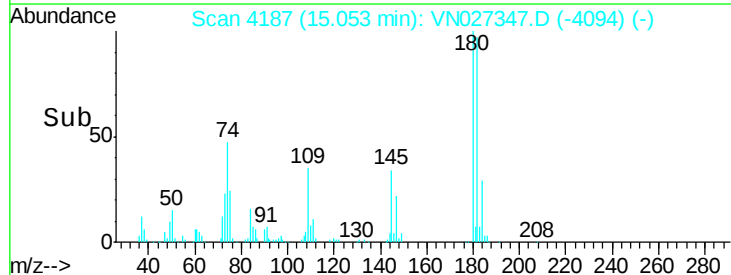
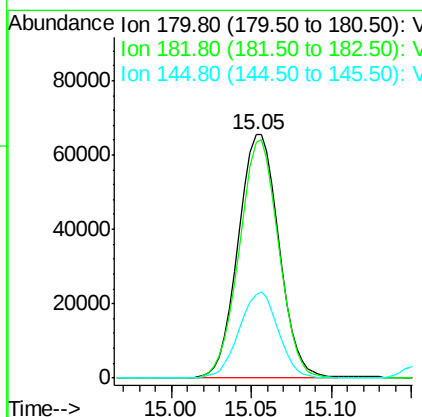
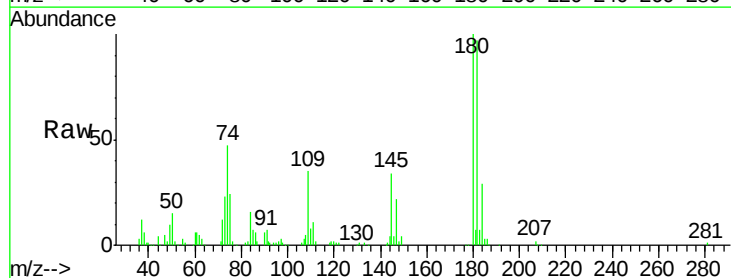
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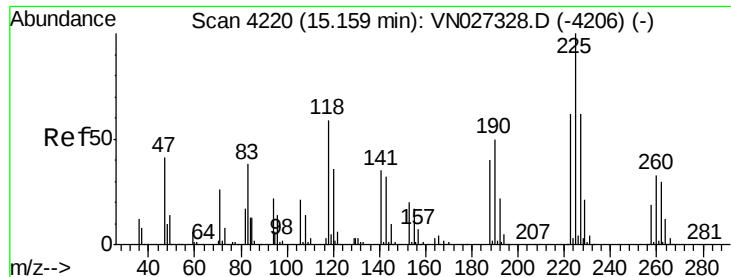
Tot Ion	Ratio	Lower	Upper
75	100		
155	57.4	35.6	106.9
157	72.8	44.6	133.8



#94
 1,2,4-Trichlorobenzene
 Concen: 19.84 ug/l
 RT: 15.05 min Scan# 4187
 Delta R.T. 0.00 min
 Lab File: VN027347.D
 Acq: 21 Sep 2015 23:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.5	142.5
145	33.9	15.1	45.3





#95

Hexachlorobutadiene

Concen: 18.95 ug/l

RT: 15.16 min Scan# 4220

Delta R.T. 0.00 min

Lab File: VN027347.D

Acq: 21 Sep 2015 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD02

Tot Ion:225 Resp: 59579

Ion Ratio Lower Upper

225 100

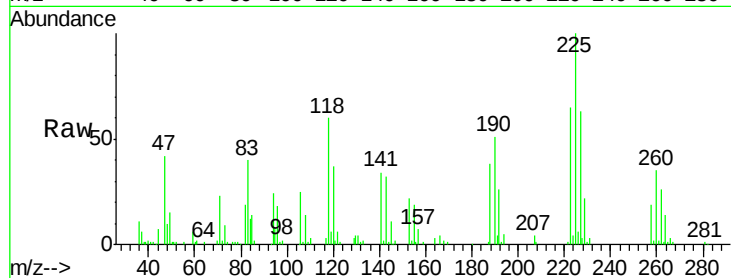
223 62.0 30.8 92.3

227 62.2 31.7 95.1

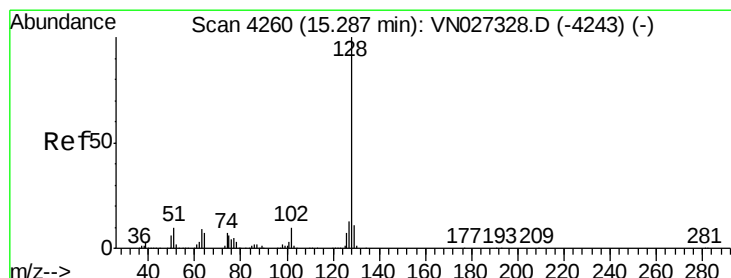
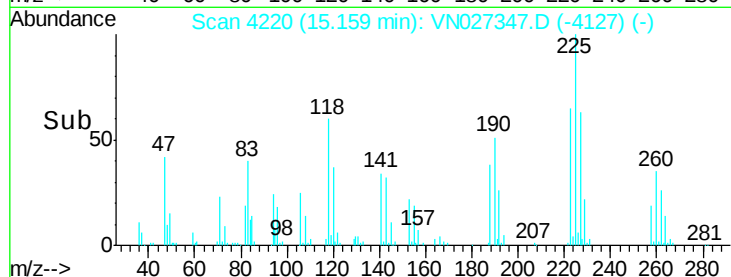
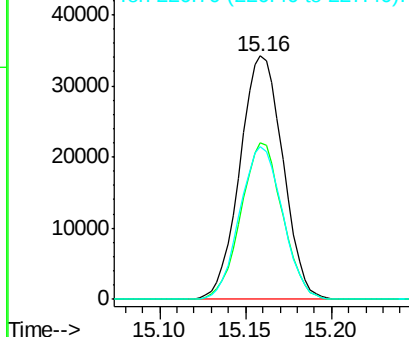
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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#96

Naphthalene

Concen: 20.65 ug/l

RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

Lab File: VN027347.D

Acq: 21 Sep 2015 23:44

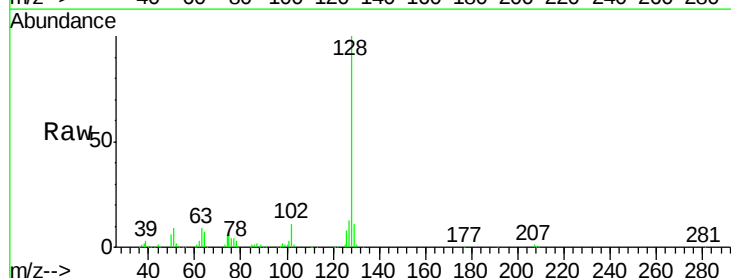
Tgt Ion:128 Resp: 320379

Ion Ratio Lower Upper

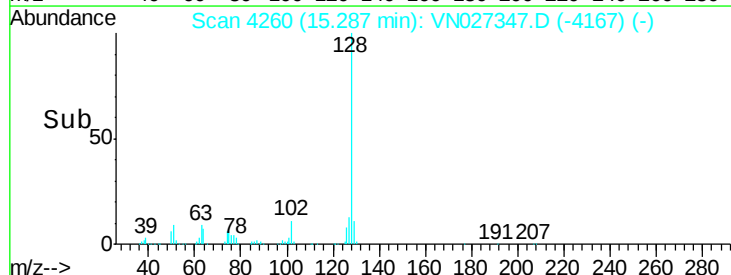
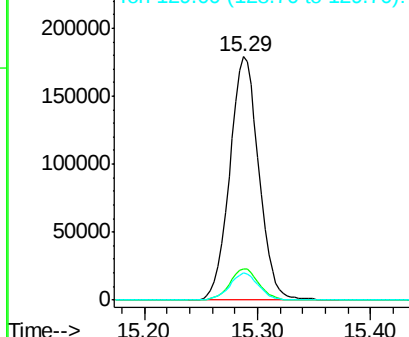
128 100

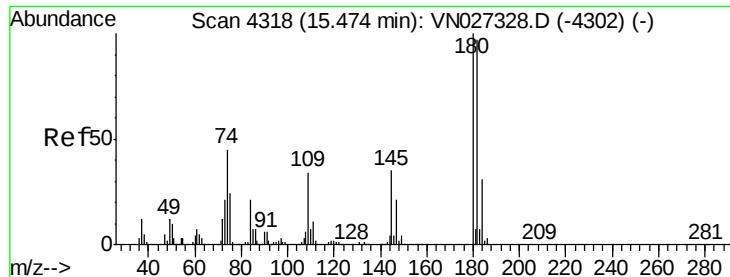
127 12.8 10.4 15.6

129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#97
 1,2,3-Trichlorobenzene
 Concen: 19.98 ug/l
 RT: 15.47 min Scan# 4318
 Delta R.T. 0.00 min
 Lab File: VN027347.D
 Acq: 21 Sep 2015 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	114233		
182	95.2	48.8	146.4	
145	34.6	16.6	49.8	

Manual Integrations
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