

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN092115\
 Data File : VN027340.D
 Acq On : 21 Sep 2015 19:36
 Operator : MD\FY
 Sample : VN0921WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:28:33 PM

Quant Time: Sep 22 03:21:39 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	529615	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1012130	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	851496	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	321505	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	475219	45.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.68%	
36) Dibromofluoromethane	7.68	113	298303	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	
51) Toluene-d8	10.19	98	1139247	44.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.24%	
63) 4-Bromofluorobenzene	12.52	95	401719	43.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	104619	19.03	ug/l	97
3) Chlorodifluoromethane	1.81	51	112164	16.11	ug/l #	92
4) Chloromethane	2.01	50	117366	18.64	ug/l	96
5) Vinyl Chloride	2.14	62	136453	19.42	ug/l	96
6) Bromomethane	2.54	94	63421	22.17	ug/l	94
7) Chloroethane	2.69	64	85864	19.22	ug/l	99
8) Trichlorofluoromethane	3.02	101	199332	19.54	ug/l	100
9) Diethyl Ether	3.43	74	91475	20.17	ug/l	82
10) 1,1,2-Trichlorotrifluoroet	3.79	101	127060	19.64	ug/l	95
11) Methyl Iodide	3.99	142	76461	16.89	ug/l	93
12) Tert butyl alcohol	4.80	59	86554	104.65	ug/l #	94
13) 1,1-Dichloroethene	3.77	96	117697	19.46	ug/l	86
14) Acrolein	3.62	56	89029	83.03	ug/l	100
15) Allyl chloride	4.37	41	222783	18.89	ug/l #	81
16) Acrylonitrile	5.03	53	309666	103.11	ug/l	98
17) Acetone	3.83	43	281564	99.83	ug/l	93
18) Carbon Disulfide	4.11	76	338171	18.67	ug/l	99
19) Methyl Acetate	4.36	43	371441	21.23	ug/l	95
20) Methyl tert-butyl Ether	5.12	73	487715	20.20	ug/l	94
21) Methylene Chloride	4.60	84	149224	19.87	ug/l	97
22) trans-1,2-Dichloroethene	5.13	96	129292	19.44	ug/l	98
23) Diisopropyl ether	6.04	45	505285	19.70	ug/l #	86
24) Vinyl Acetate	5.98	43	779873m	96.49	ug/l	
25) 1,1-Dichloroethane	5.93	63	296374	19.83	ug/l	99
26) 2-Butanone	6.92	43	387018	104.78	ug/l	93
27) 2,2-Dichloropropane	6.92	77	252738	19.62	ug/l	95
28) cis-1,2-Dichloroethene	6.92	96	152768	19.45	ug/l	96
29) Bromochloromethane	7.29	49	120959	20.62	ug/l	97
30) Tetrahydrofuran	7.32	42	247329	105.63	ug/l	88
31) Chloroform	7.46	83	280350	19.97	ug/l	99
32) Cyclohexane	7.77	56	274720	19.71	ug/l	91
33) 1,1,1-Trichloroethane	7.67	97	242904	19.52	ug/l	97
37) 1,1-Dichloropropene	7.89	75	201040	18.43	ug/l	99
38) Ethyl Acetate	7.02	43	175984	20.89	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	193712	18.87	ug/l	99
40) Methylcyclohexane	9.19	83	242392	18.71	ug/l	96
41) Benzene	8.14	78	613321	19.37	ug/l	100
42) Methacrylonitrile	7.24	41	97052	19.52	ug/l #	87
43) 1,2-Dichloroethane	8.22	62	253282	19.62	ug/l	96
44) Isopropyl Acetate	8.25	43	320920	19.93	ug/l	97
45) Trichloroethene	8.94	130	120459	18.99	ug/l	92
46) 1,2-Dichloropropane	9.22	63	173291	19.56	ug/l	98
47) Dibromomethane	9.31	93	103556	19.47	ug/l	92
48) Bromodichloromethane	9.49	83	213648	18.94	ug/l	99
49) Methyl methacrylate	9.29	41	147845	19.51	ug/l #	84
50) 1,4-Dioxane	9.30	88	36912	403.63	ug/l	98
52) 4-Methyl-2-Pentanone	10.07	43	843992	101.93	ug/l	98
53) Toluene	10.26	92	354958	18.95	ug/l	97
54) t-1,3-Dichloropropene	10.47	75	222775	18.50	ug/l	97
55) cis-1,3-Dichloropropene	9.93	75	251168	18.99	ug/l	93
56) 1,1,2-Trichloroethane	10.66	97	134898	19.32	ug/l	98
57) Ethyl methacrylate	10.52	69	212514	19.17	ug/l #	90
58) 1,3-Dichloropropane	10.81	76	253533	19.70	ug/l	99
59) 2-Chloroethyl Vinyl ether	9.78	63	433434	88.24	ug/l	97
60) 2-Hexanone	10.84	43	570574	101.39	ug/l	100
61) Dibromochloromethane	11.00	129	130042	19.01	ug/l	98
62) 1,2-Dibromoethane	11.11	107	128835	19.40	ug/l	99
65) Tetrachloroethene	10.74	164	97356	19.21	ug/l	93
66) Chlorobenzene	11.54	112	355712	19.48	ug/l	99
67) 1,1,1,2-Tetrachloroethane	11.62	131	120028	19.59	ug/l	98
68) Ethyl Benzene	11.62	91	675820	19.62	ug/l	98
69) m/p-Xylenes	11.73	106	462098	38.71	ug/l	90
70) o-Xylene	12.06	106	233085	19.32	ug/l	92
71) Styrene	12.08	104	369906	19.26	ug/l	95
72) Bromoform	12.24	173	76589	18.63	ug/l #	99
74) Isopropylbenzene	12.36	105	633471	19.67	ug/l	97
75) N-amyl acetate	12.17	43	256189	20.05	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	182287	20.11	ug/l	99
77) 1,2,3-Trichloropropane	12.66	75	161041m	19.95	ug/l	
78) Bromobenzene	12.64	156	120404	19.10	ug/l	91
79) n-propylbenzene	12.71	91	729371	18.99	ug/l	99
80) 2-Chlorotoluene	12.79	91	448749	19.11	ug/l	95
81) 1,3,5-Trimethylbenzene	12.85	105	503545	19.34	ug/l	94
82) trans-1,4-Dichloro-2-buten	12.40	75	58956	18.73	ug/l	96
83) 4-Chlorotoluene	12.89	91	436667	19.05	ug/l	95
84) tert-Butylbenzene	13.11	119	413578	19.70	ug/l	89
85) 1,2,4-Trimethylbenzene	13.16	105	503875	19.46	ug/l	95
86) sec-Butylbenzene	13.29	105	608468	19.46	ug/l	99
87) p-Isopropyltoluene	13.41	119	447054	19.07	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	210583	19.36	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	209573	19.04	ug/l	96
90) n-Butylbenzene	13.74	91	430760	18.40	ug/l	99
91) Hexachloroethane	14.01	117	91034	18.16	ug/l	93
92) 1,2-Dichlorobenzene	13.78	146	216417	19.92	ug/l	97

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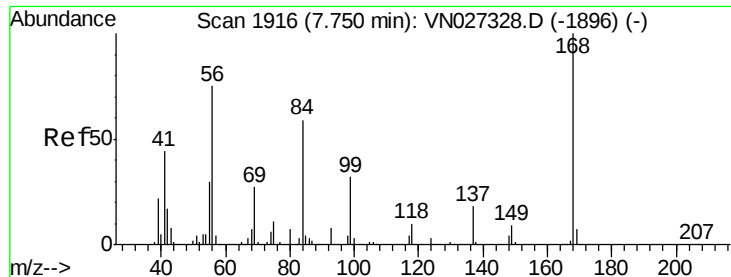
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93) 1,2-Dibromo-3-Chloropropan	14.40	75	35687	20.08	ug/l	82
94) 1,2,4-Trichlorobenzene	15.05	180	110257	19.64	ug/l	98
95) Hexachlorobutadiene	15.16	225	58586	19.04	ug/l	98
96) Naphthalene	15.29	128	294913	19.65	ug/l	99
97) 1,2,3-Trichlorobenzene	15.47	180	111352	19.90	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VN027340.D

Acq: 21 Sep 2015 19:36

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBS01

Tot Ion:168 Resp: 529615

Ion Ratio Lower Upper

168 100

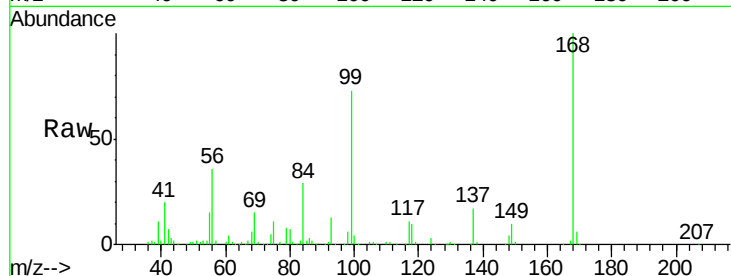
99 72.4 50.4 75.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.75

250000

200000

150000

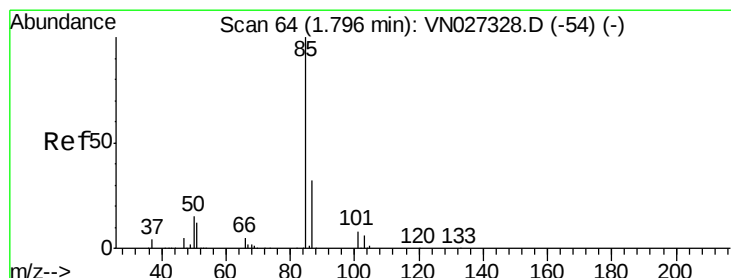
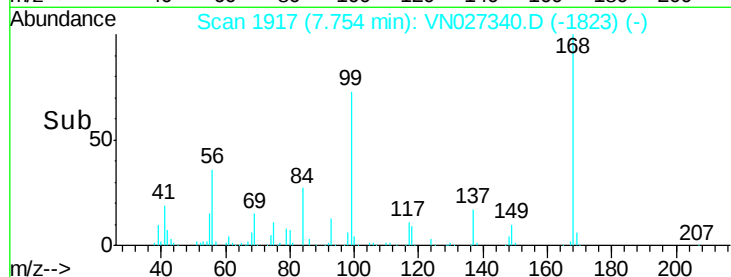
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 19.03 ug/l

RT: 1.80 min Scan# 65

Delta R.T. 0.00 min

Lab File: VN027340.D

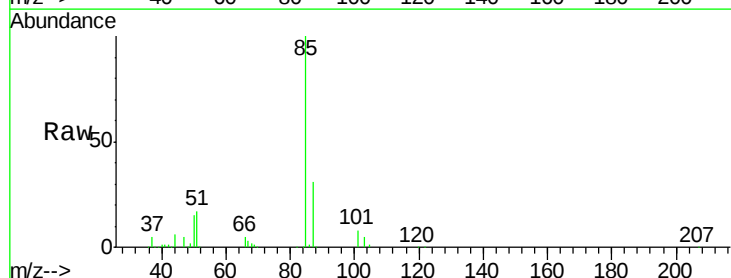
Acq: 21 Sep 2015 19:36

Tgt Ion: 85 Resp: 104619

Ion Ratio Lower Upper

85 100

87 31.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.80

80000

60000

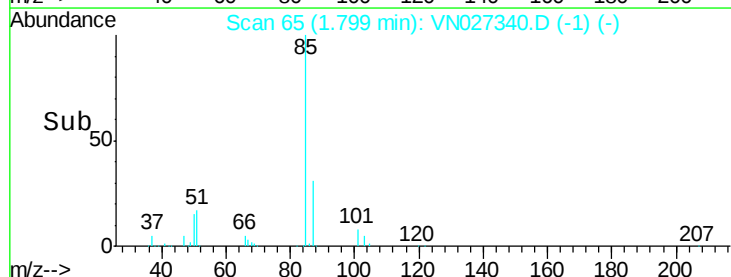
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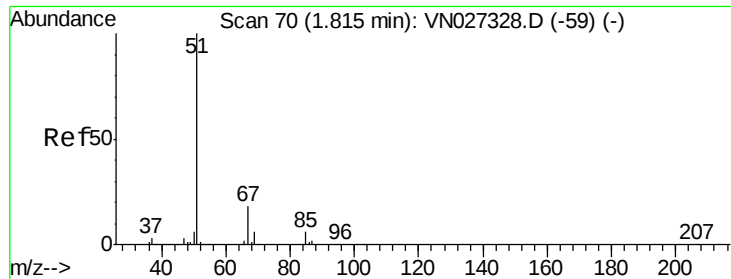
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chlorodifluoromethane

Concen: 16.11 ug/l

RT: 1.81 min Scan# 70

Delta R.T. -0.00 min

Lab File: VN027340.D

Acq: 21 Sep 2015 19:36

Instrument :

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ClientSampleId :

VN0921WBS01

Tot Ion: 51 Resp: 112164

Ion Ratio Lower Upper

51 100

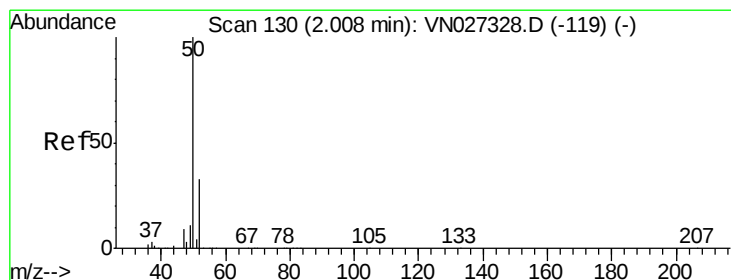
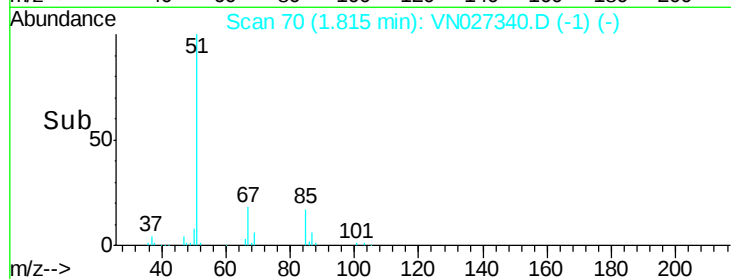
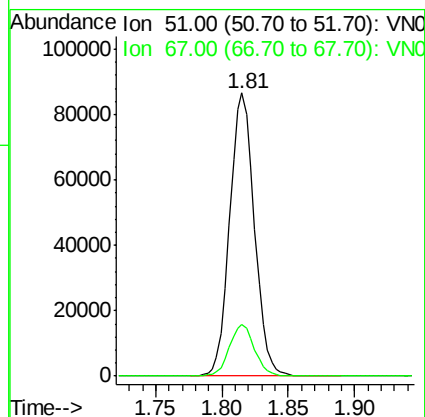
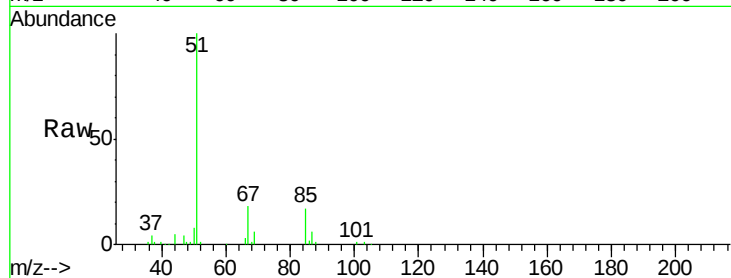
67 18.3 12.2 18.2#

Manual Integrations

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#4

Chloromethane

Concen: 18.64 ug/l

RT: 2.01 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN027340.D

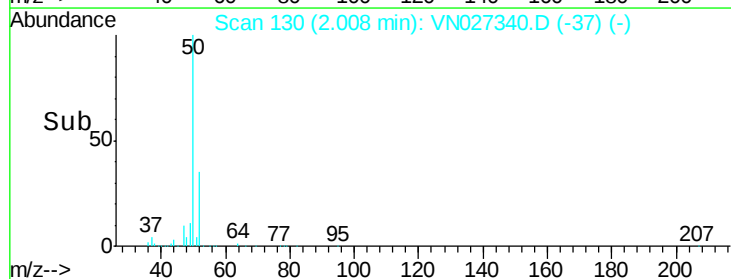
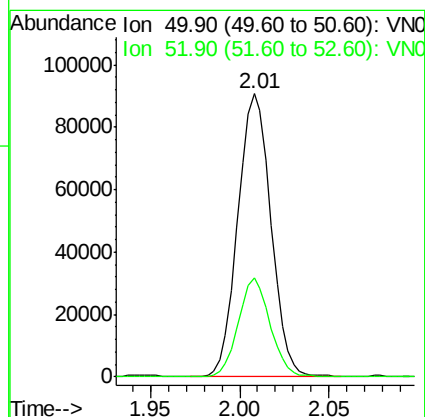
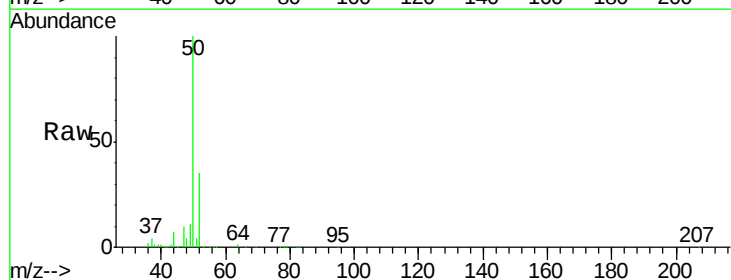
Acq: 21 Sep 2015 19:36

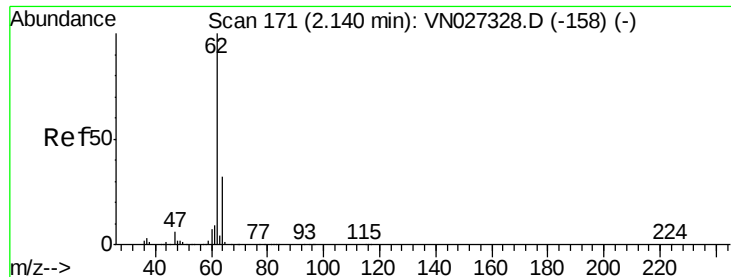
Tgt Ion: 50 Resp: 117366

Ion Ratio Lower Upper

50 100

52 34.9 25.9 38.9





#5

Vinyl Chloride

Concen: 19.42 ug/l

RT: 2.14 min Scan# 171

Delta R.T. -0.00 min

Lab File: VN027340.D

Acq: 21 Sep 2015 19:36

Instrument :

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Tot Ion: 62 Resp: 136453

Ion Ratio Lower Upper

62 100

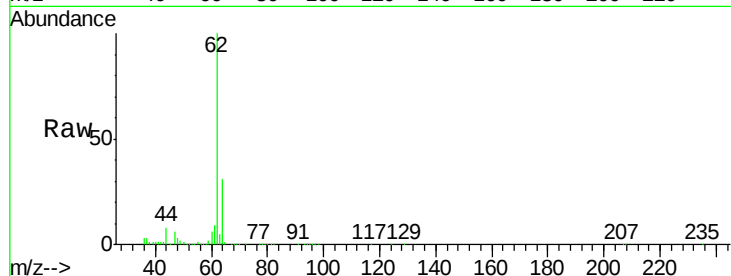
64 30.2 25.9 38.9

Manual Integrations

APPROVED

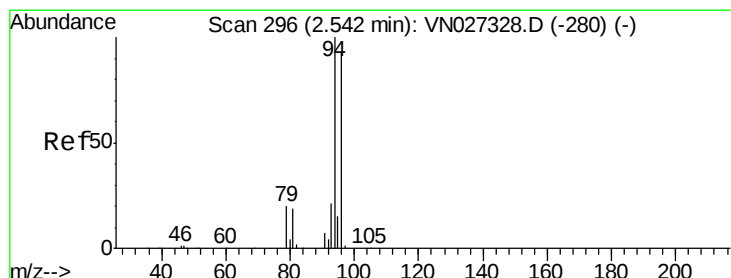
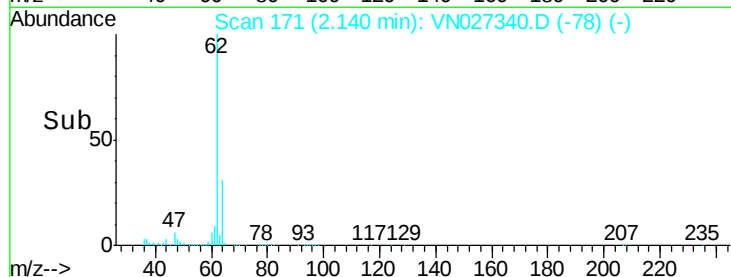
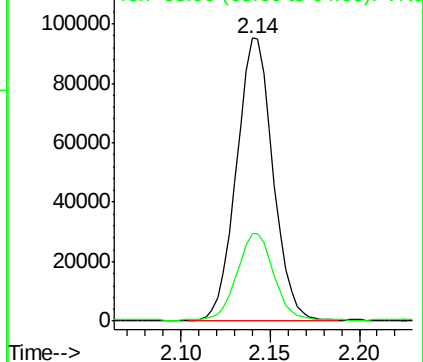
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Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC



#6

Bromomethane

Concen: 22.17 ug/l

RT: 2.54 min Scan# 297

Delta R.T. 0.00 min

Lab File: VN027340.D

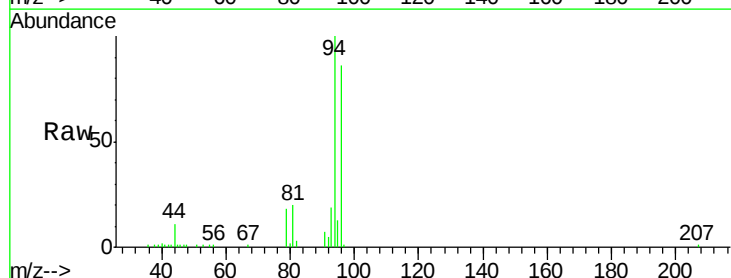
Acq: 21 Sep 2015 19:36

Tgt Ion: 94 Resp: 63421

Ion Ratio Lower Upper

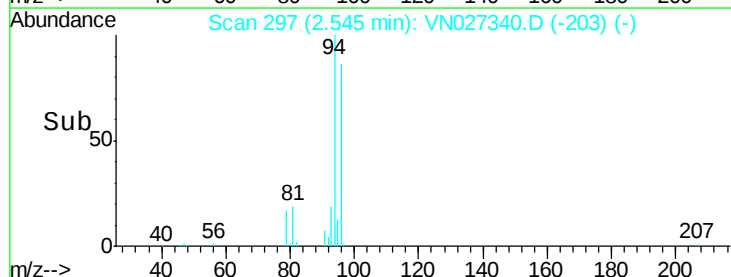
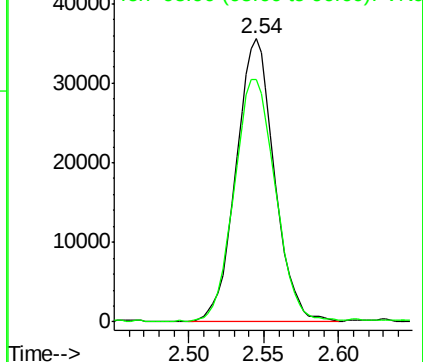
94 100

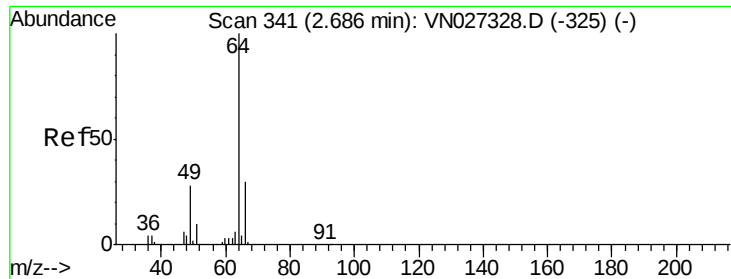
96 85.7 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC





#7

Chloroethane

Concen: 19.22 ug/l

RT: 2.69 min Scan# 341

Delta R.T. -0.00 min

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Tot Ion: 64 Resp: 85864

Ion Ratio Lower Upper

64 100

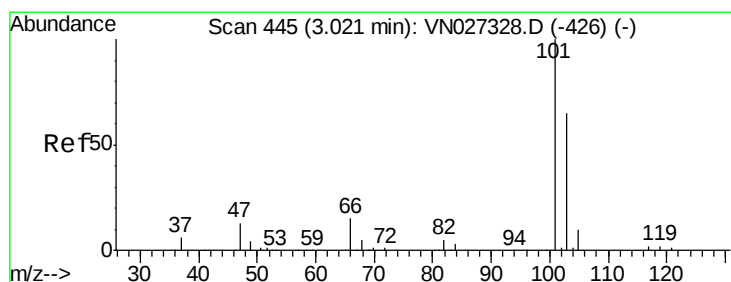
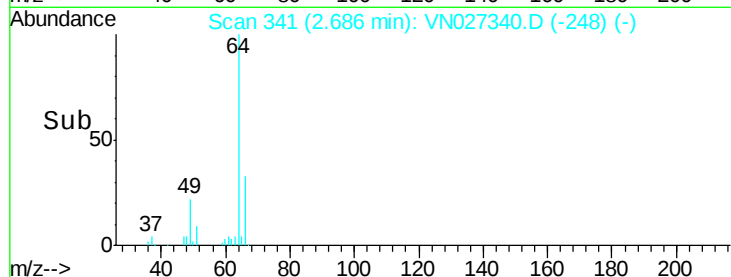
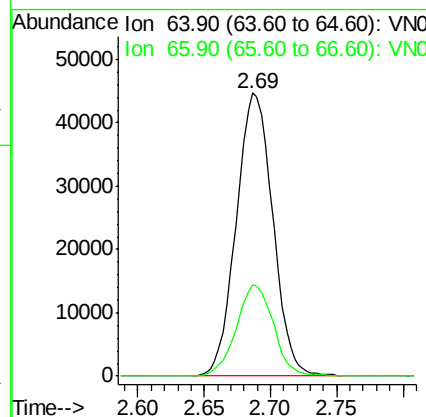
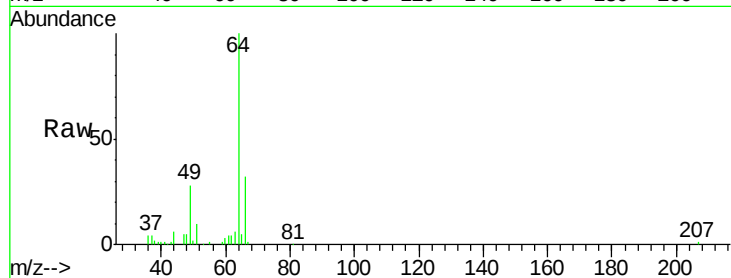
66 32.4 25.5 38.3

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#8

Trichlorofluoromethane

Concen: 19.54 ug/l

RT: 3.02 min Scan# 446

Delta R.T. 0.00 min

Lab File: VN027340.D

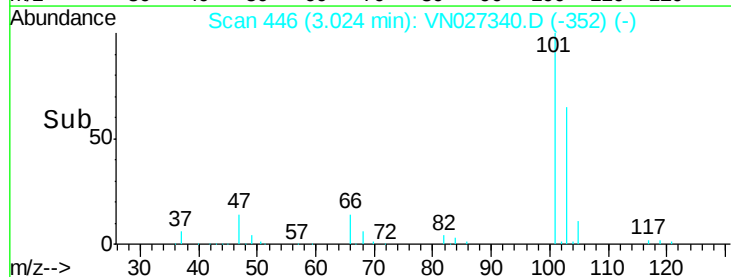
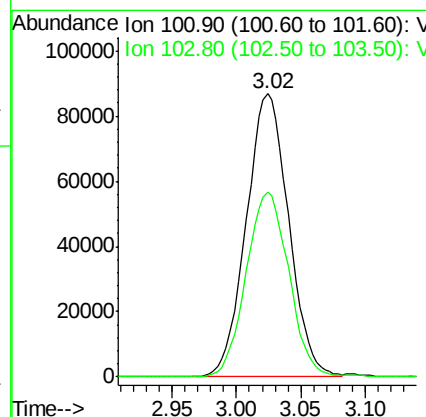
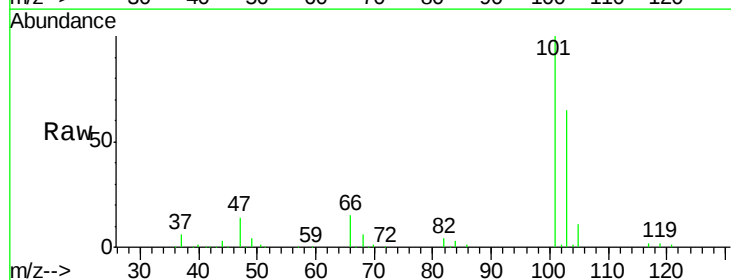
Acq: 21 Sep 2015 19:36

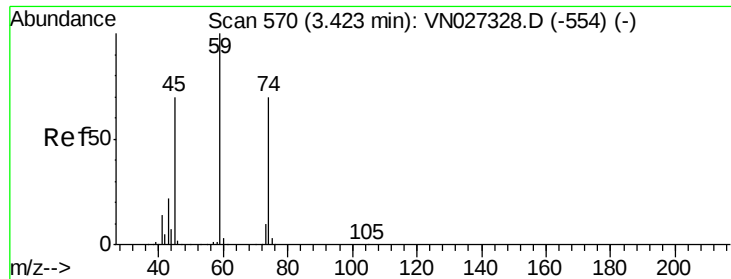
Tgt Ion: 101 Resp: 199332

Ion Ratio Lower Upper

101 100

103 65.5 52.6 79.0





#9

Diethyl Ether

Concen: 20.17 ug/l

RT: 3.43 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN027340.D

Acq: 21 Sep 2015 19:36

Instrument :

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Tot Ion: 74 Resp: 91475

Ion Ratio Lower Upper

74 100

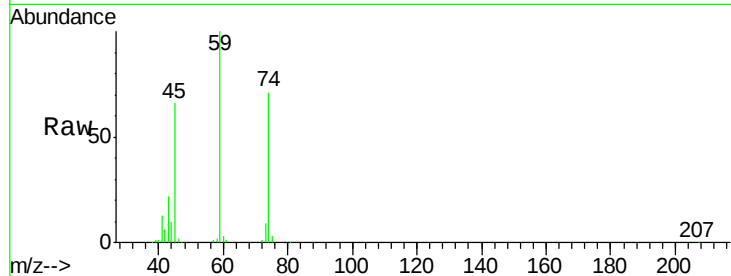
45 96.0 58.1 174.3

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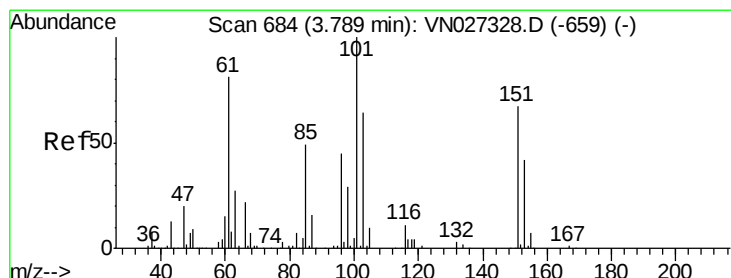
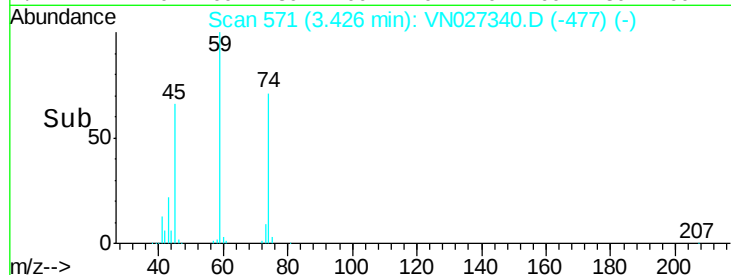
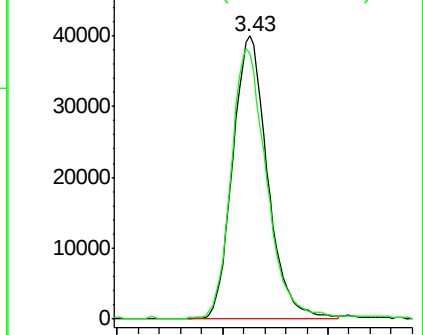
MMDadoda

9/22/2015 2:28:33 PM



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#10

1,1,2-Trichlorotrifluoroethane

Concen: 19.64 ug/l

RT: 3.79 min Scan# 684

Delta R.T. -0.00 min

Lab File: VN027340.D

Acq: 21 Sep 2015 19:36

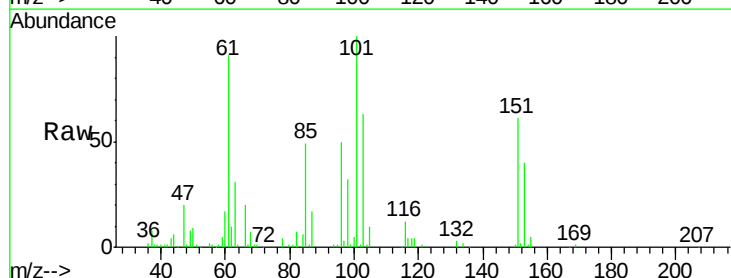
Tgt Ion: 101 Resp: 127060

Ion Ratio Lower Upper

101 100

85 49.1 37.4 56.0

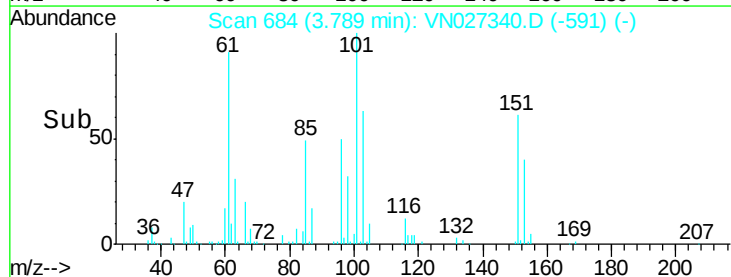
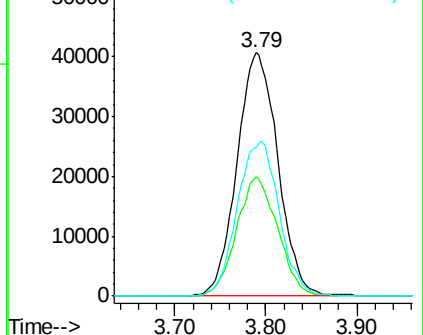
151 65.1 55.9 83.9

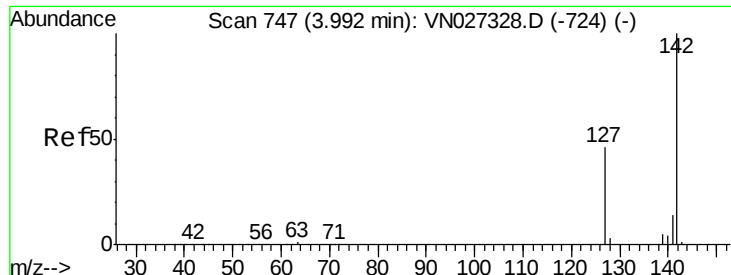


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V





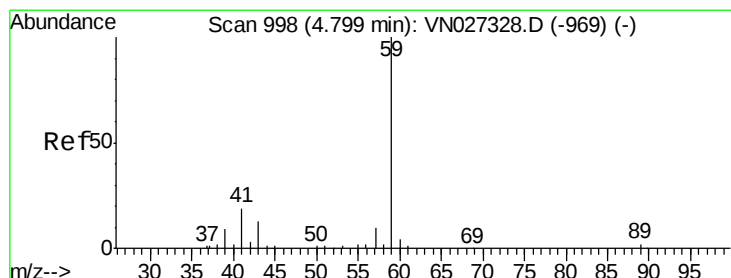
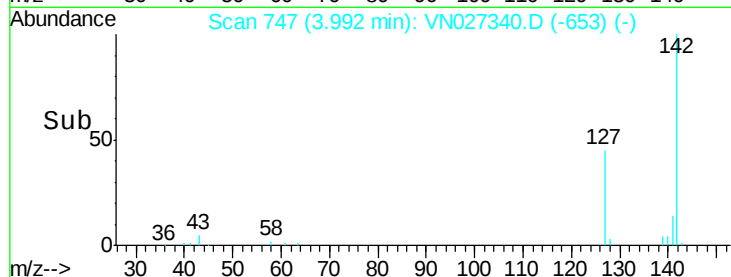
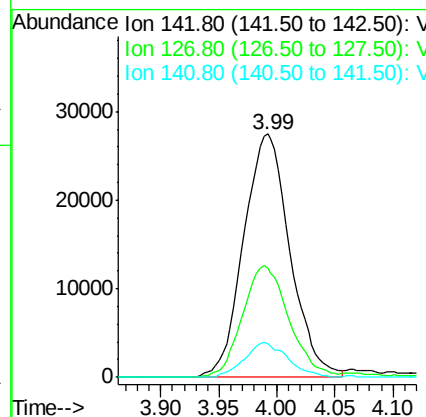
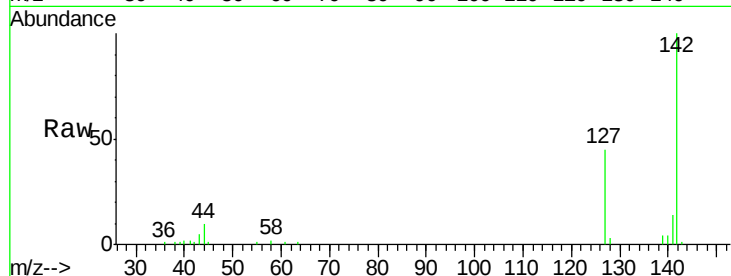
#11
Methvl Iodide
Concen: 16.89 ug/l
RT: 3.99 min Scan# 747
Delta R.T. 0.00 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.0	32.3	48.5
141	13.4	11.2	16.8

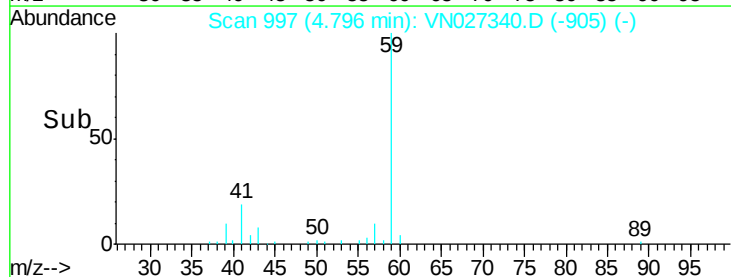
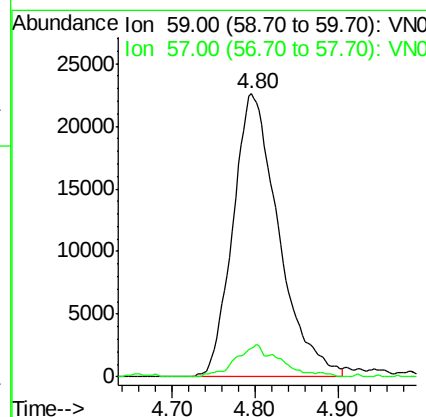
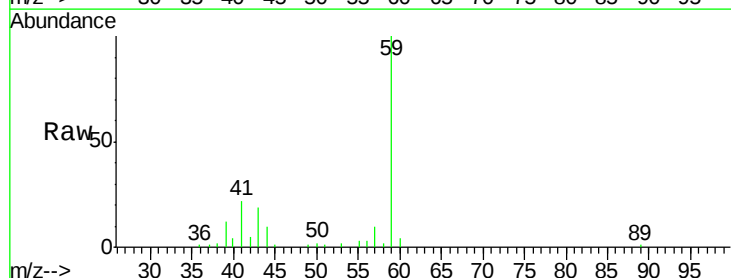
Manual Integrations
APPROVED

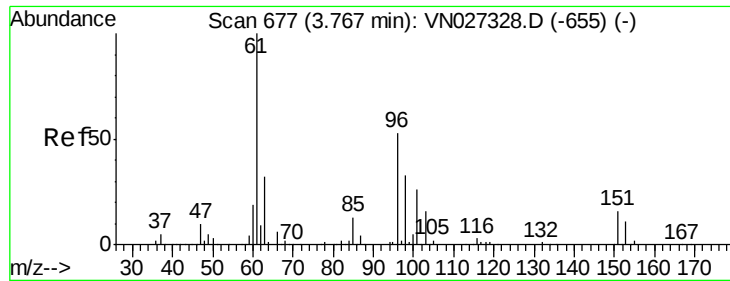
MMDadoda
9/22/2015 2:28:33 PM



#12
Tert butyl alcohol
Concen: 104.65 ug/l
RT: 4.80 min Scan# 997
Delta R.T. -0.00 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Tgt Ion	Ratio	Lower	Upper
59	100		
57	7.2	7.6	11.4#





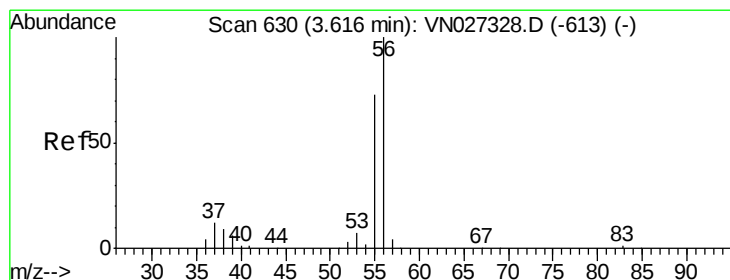
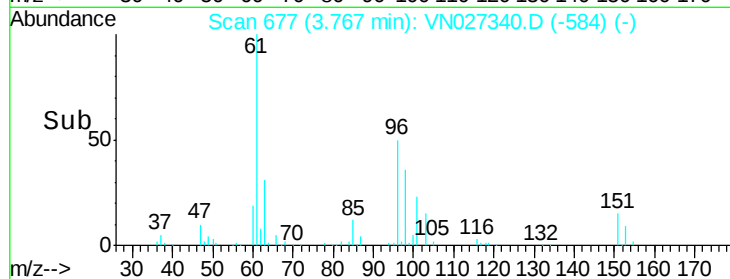
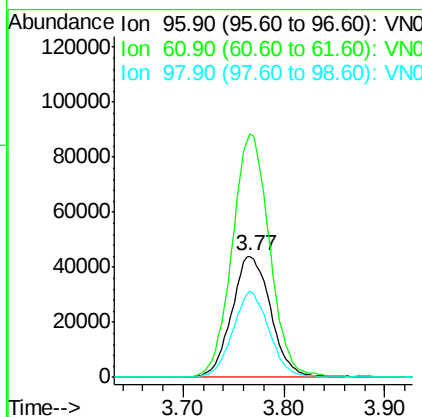
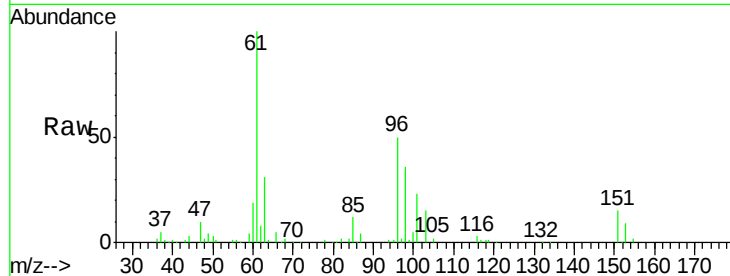
#13
 1,1-Dichloroethene
 Concen: 19.46 ug/l
 RT: 3.77 min Scan# 677
 Delta R.T. -0.00 min
 Lab File: VN027340.D
 Acq: 21 Sep 2015 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	201.0	143.8	215.8
98	71.4	50.3	75.5

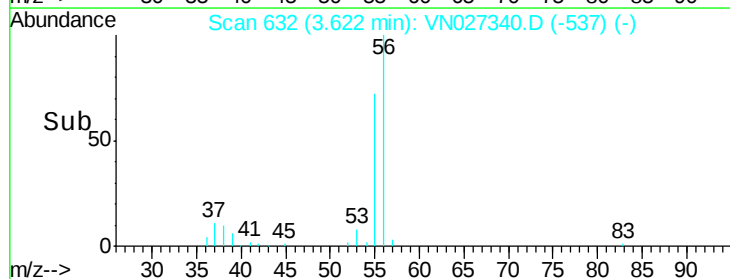
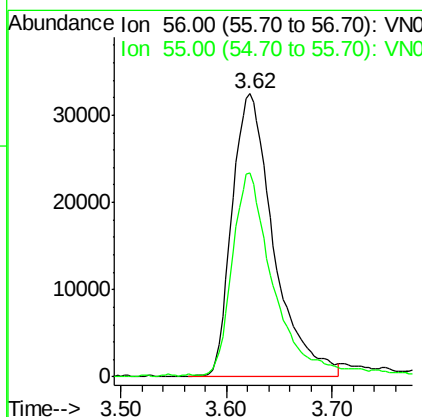
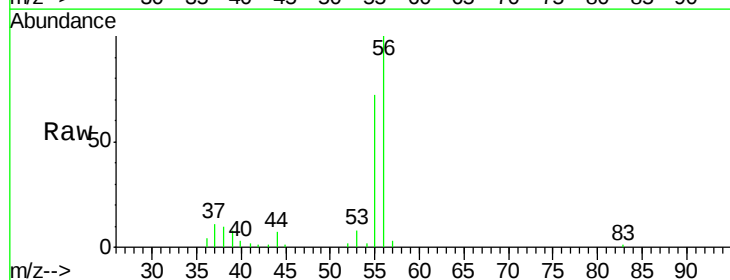
Manual Integrations
 APPROVED

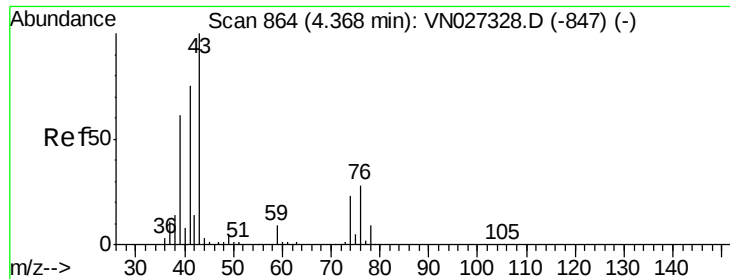
MMDadoda
 9/22/2015 2:28:33 PM



#14
 Acrolein
 Concen: 83.03 ug/l
 RT: 3.62 min Scan# 632
 Delta R.T. 0.01 min
 Lab File: VN027340.D
 Acq: 21 Sep 2015 19:36

Tgt Ion	Ratio	Lower	Upper
56	100		
55	70.0	55.7	83.5





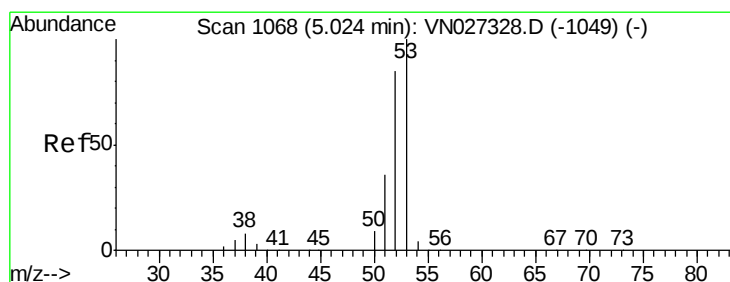
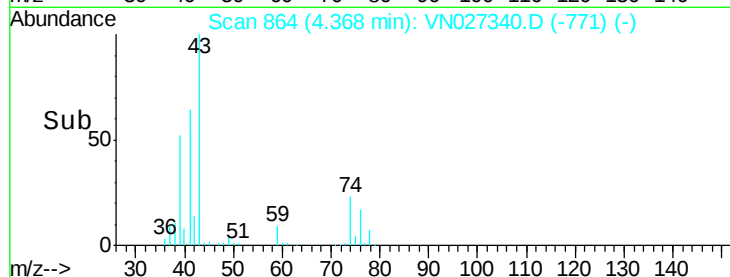
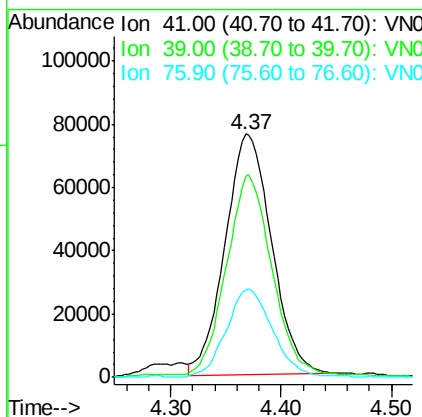
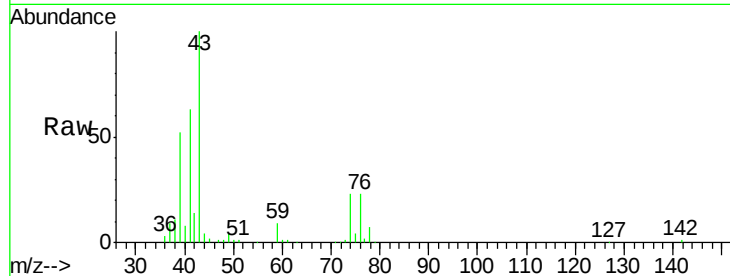
#15
Allvl chloride
Concen: 18.89 ug/l
RT: 4.37 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Instrument :
MSVOA_N
ClientSampled :
VN0921WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	80.3	49.7	74.5#
76	35.9	24.8	37.2

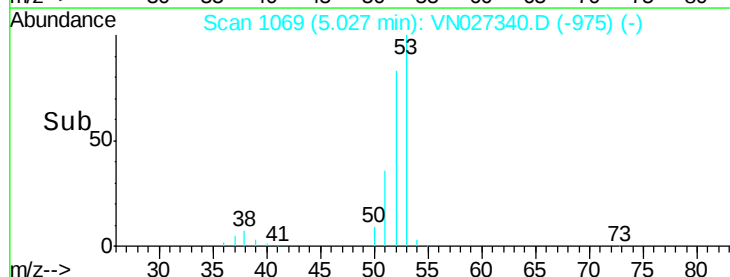
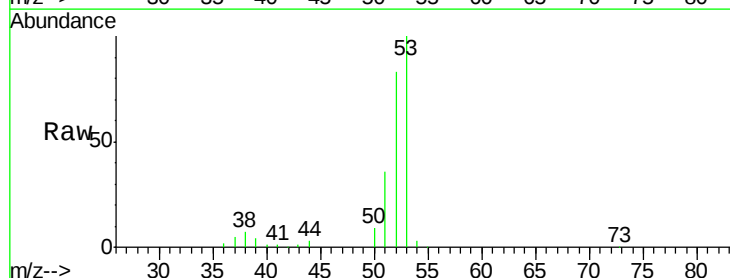
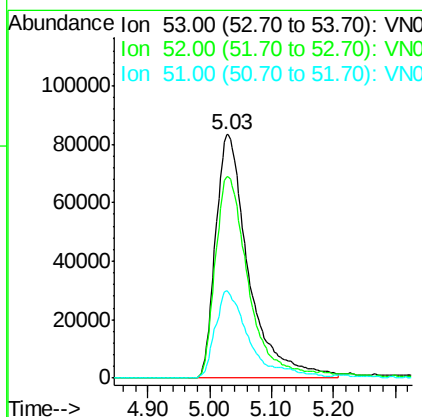
Manual Integrations
APPROVED

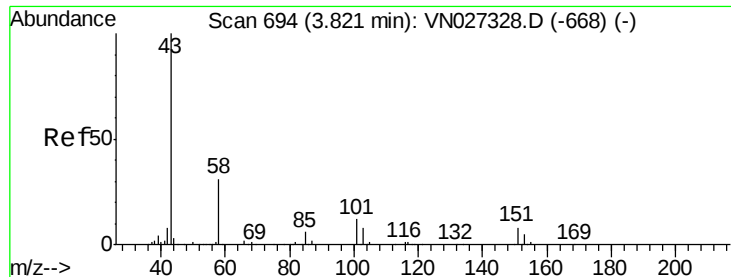
MMDadoda
9/22/2015 2:28:33 PM



#16
Acrylonitrile
Concen: 103.11 ug/l
RT: 5.03 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.9	100.3
51	36.6	27.4	41.0





#17

Acetone

Concen: 99.83 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN027340.D

Acq: 21 Sep 2015 19:36

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBS01

Tot Ion: 43 Resp: 281564

Ion Ratio Lower Upper

43 100

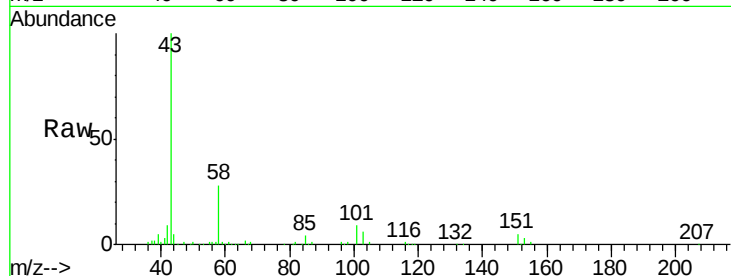
58 27.6 25.4 38.0

Manual Integrations

APPROVED

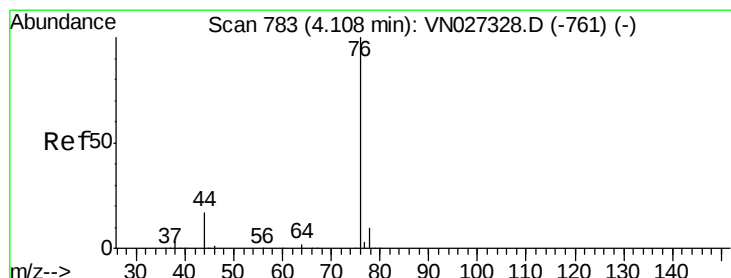
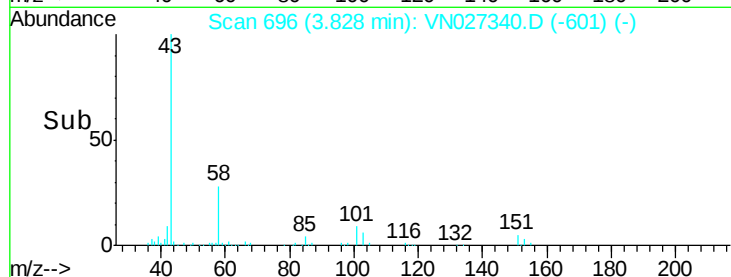
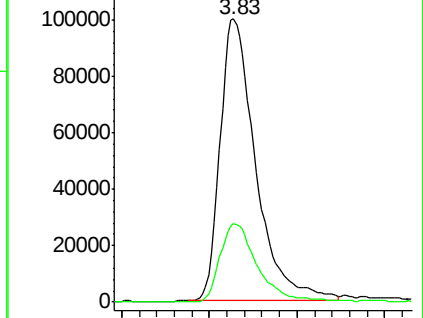
MMDadoda

9/22/2015 2:28:33 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Carbon Disulfide

Concen: 18.67 ug/l

RT: 4.11 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN027340.D

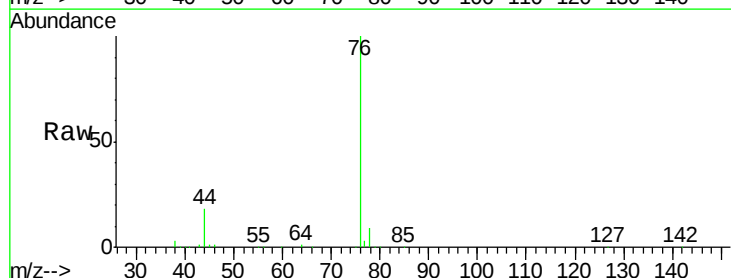
Acq: 21 Sep 2015 19:36

Tgt Ion: 76 Resp: 338171

Ion Ratio Lower Upper

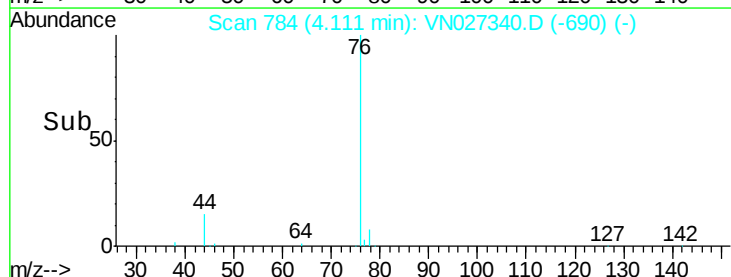
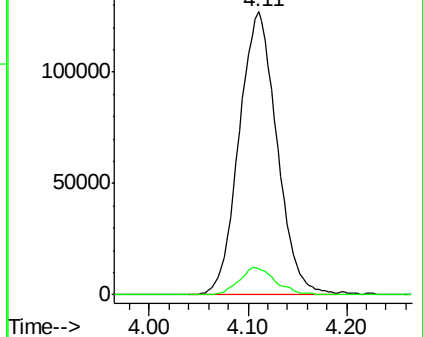
76 100

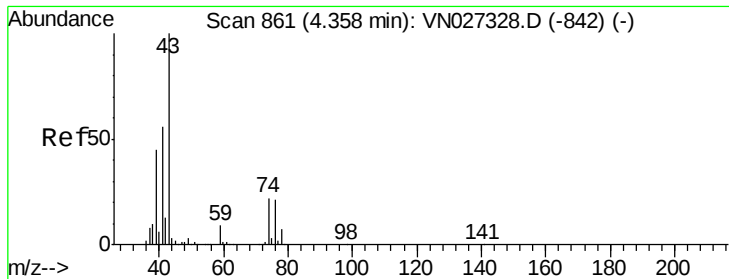
78 9.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





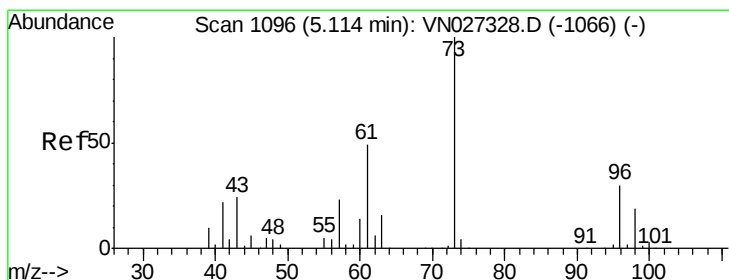
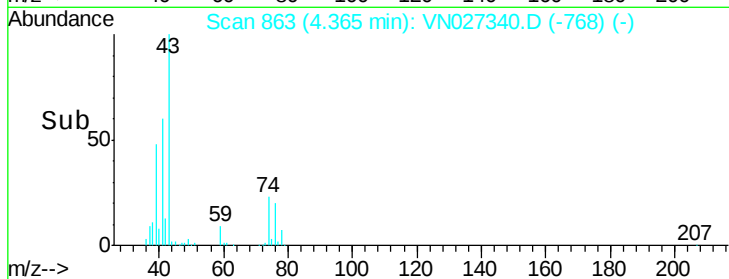
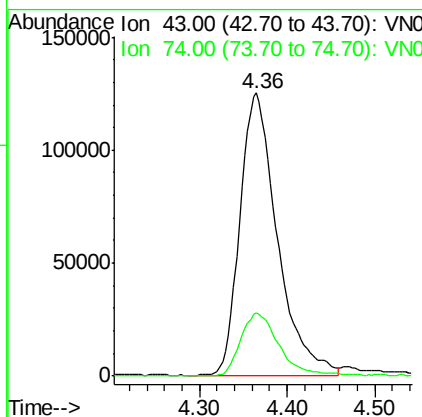
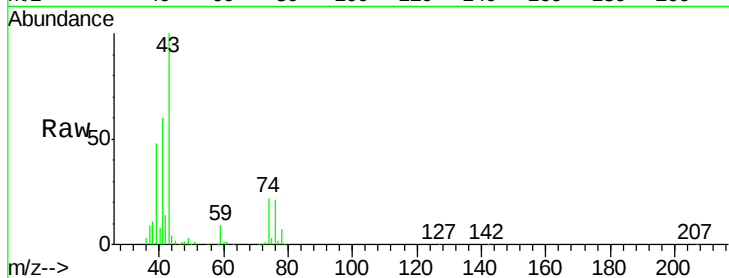
#19
Methvl Acetate
Concen: 21.23 ug/l
RT: 4.36 min Scan# 863
Delta R.T. 0.01 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBS01

Tot Ion	43	Resp	371441
Ion Ratio	100	Lower	Upper
74	22.4	16.2	24.2

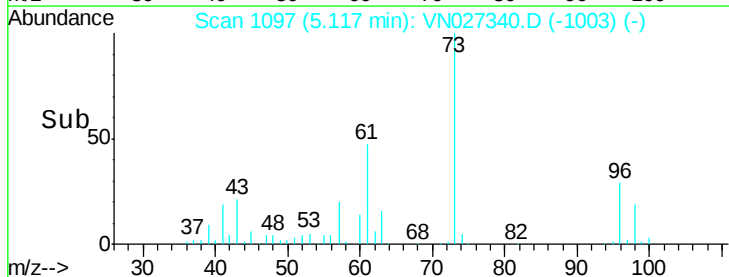
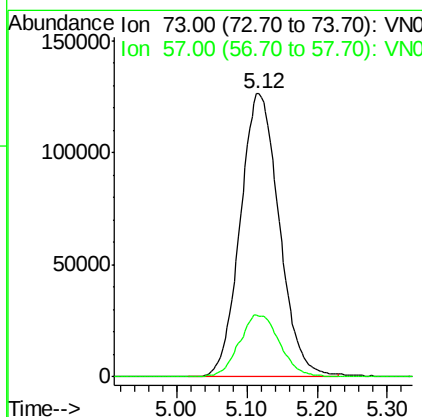
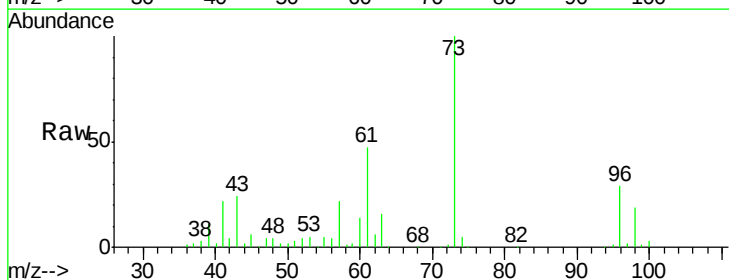
Manual Integrations
APPROVED

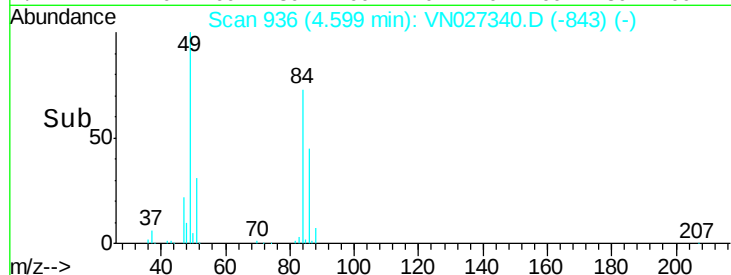
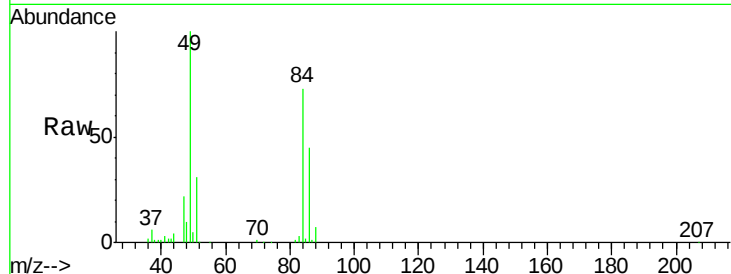
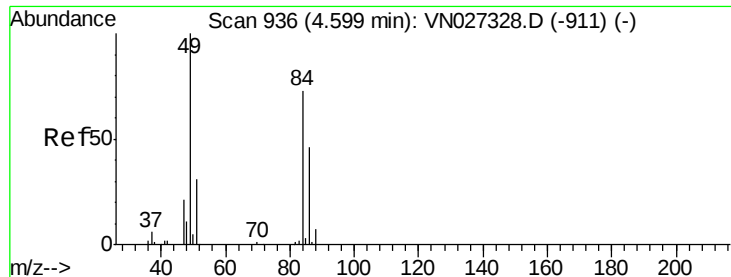
MMDadoda
9/22/2015 2:28:33 PM



#20
Methyl tert-butyl Ether
Concen: 20.20 ug/l
RT: 5.12 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Tgt Ion	73	Resp	487715
Ion Ratio	100	Lower	Upper
57	21.6	19.8	29.6





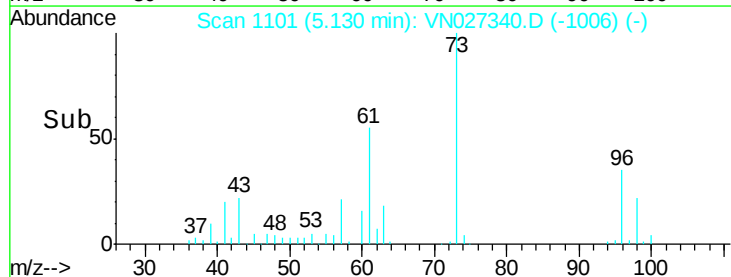
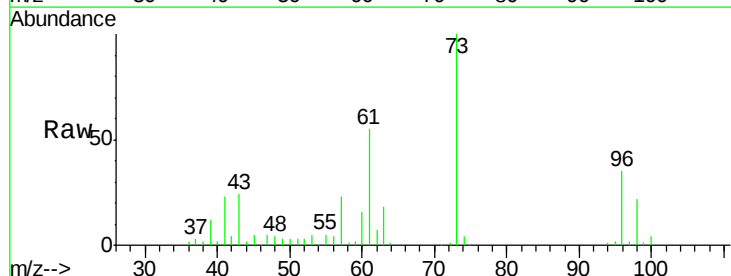
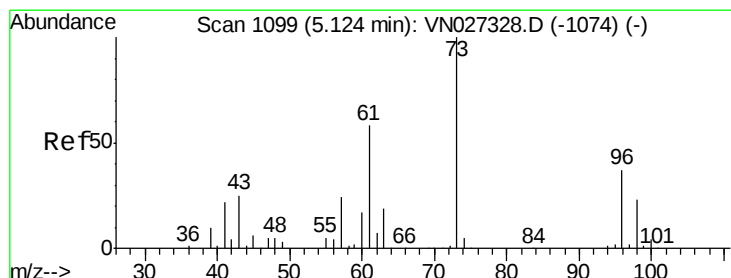
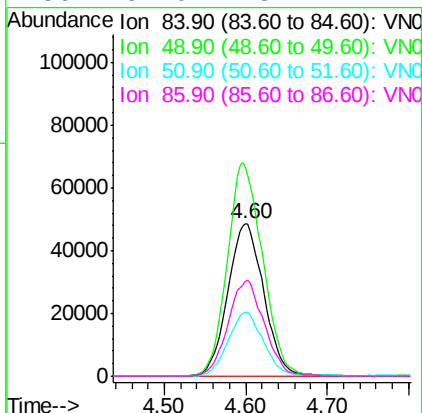
#21
Methvlene Chloride
Concen: 19.87 ug/l
RT: 4.60 min Scan# 936
Delta R.T. -0.00 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Tot Ion:	84	Resp:	149224
Ion	Ratio	Lower	Upper
84	100		
49	136.6	112.3	168.5
51	41.7	33.8	50.8
86	62.0	48.2	72.4

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBS01

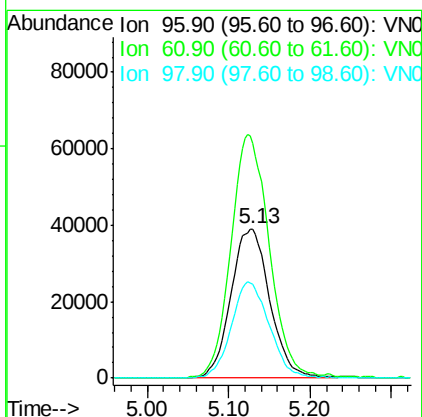
Manual Integrations
APPROVED

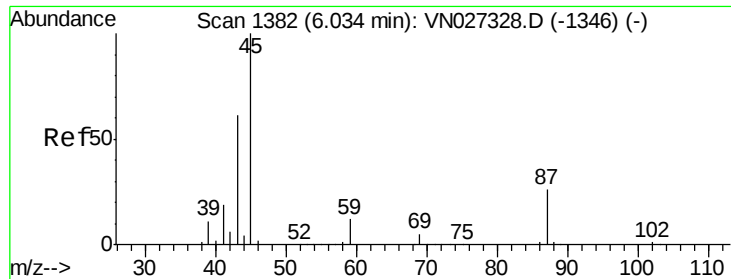
MMDadoda
9/22/2015 2:28:33 PM



#22
trans-1,2-Dichloroethene
Concen: 19.44 ug/l
RT: 5.13 min Scan# 1101
Delta R.T. 0.01 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Tgt Ion:	96	Resp:	129292
Ion	Ratio	Lower	Upper
96	100		
61	156.7	126.6	189.8
98	62.8	47.4	71.2





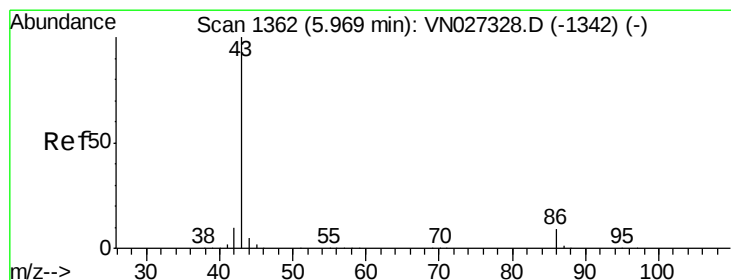
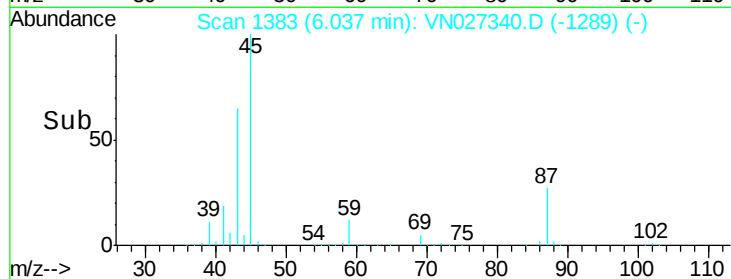
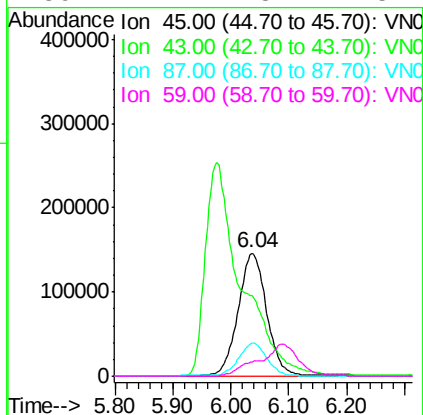
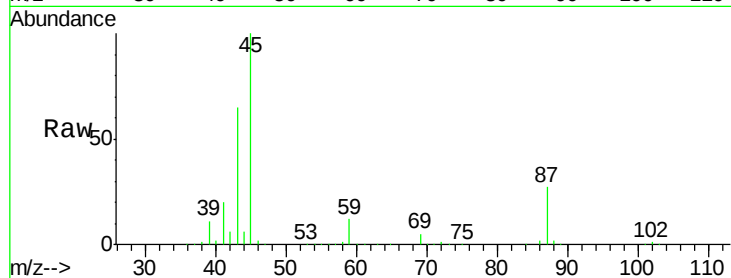
#23
Diisopropyl ether
Concen: 19.70 ug/l
RT: 6.04 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBS01

Tot Ion	Ratio	Lower	Upper
45	100		
43	63.8	41.0	61.6#
87	26.8	17.5	26.3#
59	11.7	8.7	13.1

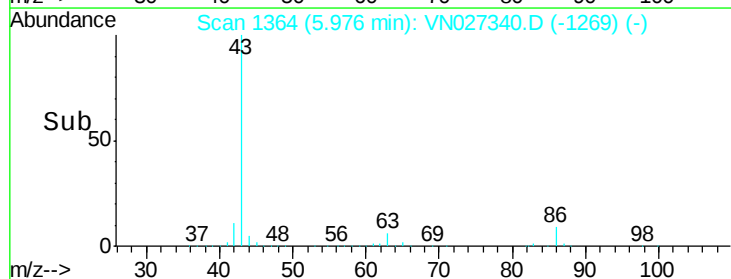
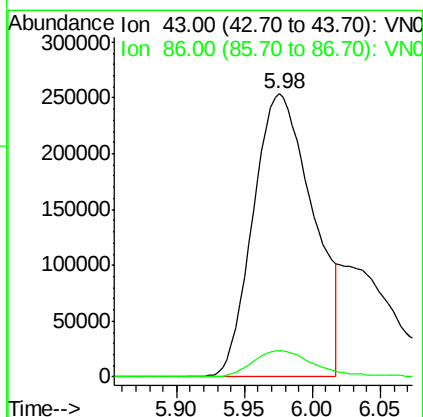
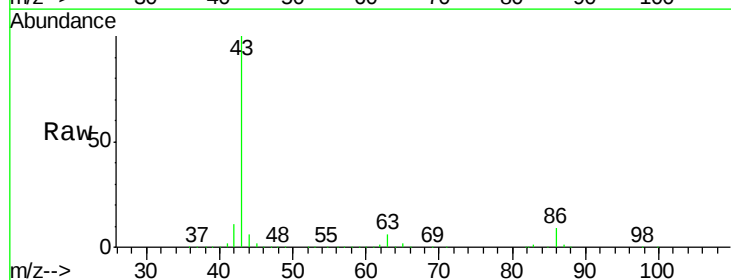
Manual Integrations
APPROVED

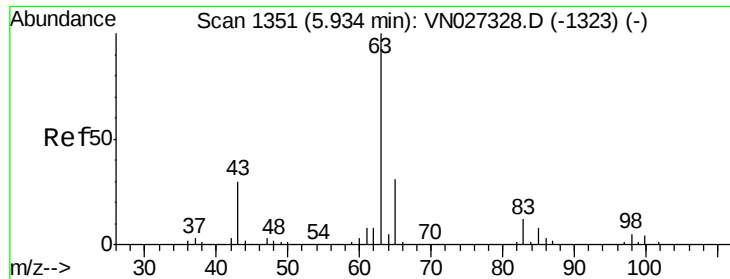
MMDadoda
9/22/2015 2:28:33 PM



#24
Vinyl Acetate
Concen: 96.49 ug/l m
RT: 5.98 min Scan# 1364
Delta R.T. 0.01 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.1	6.9	10.3





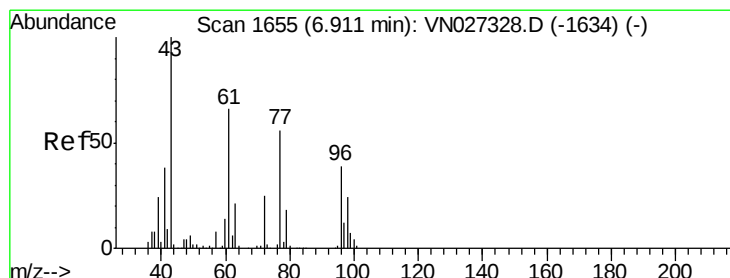
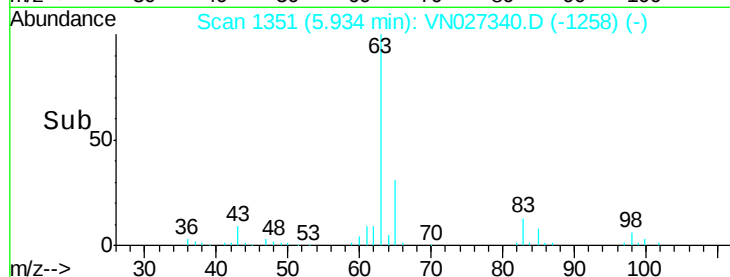
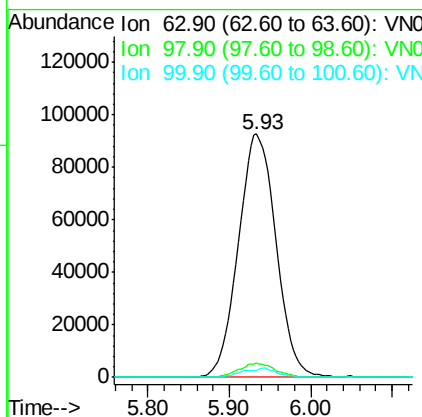
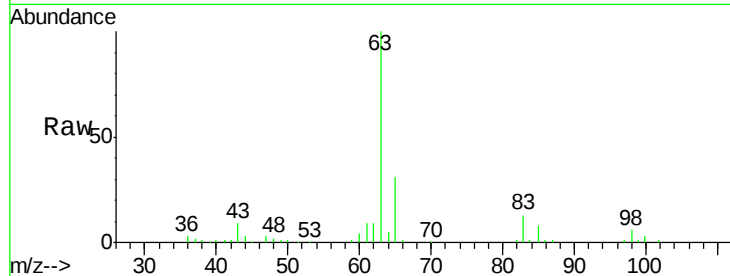
#25
 1,1-Dichloroethane
 Concen: 19.83 ug/l
 RT: 5.93 min Scan# 1351
 Delta R.T. -0.00 min
 Lab File: VN027340.D
 Acq: 21 Sep 2015 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	296374		
98	5.7		2.8	8.3
100	3.0		1.7	5.0

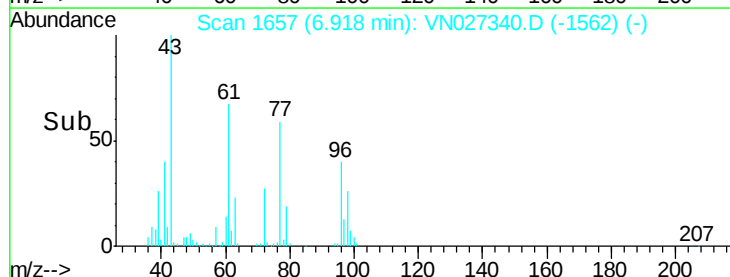
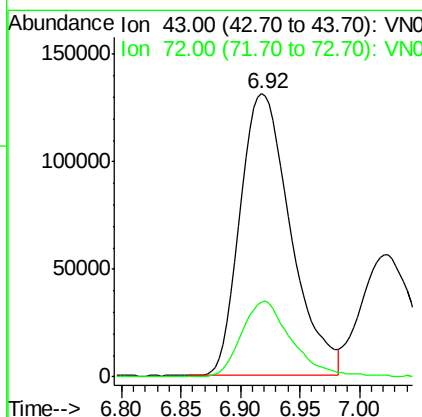
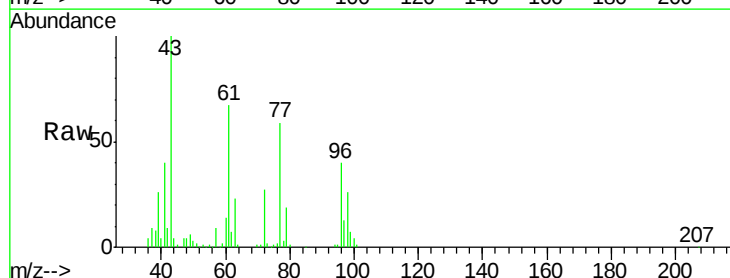
Manual Integrations
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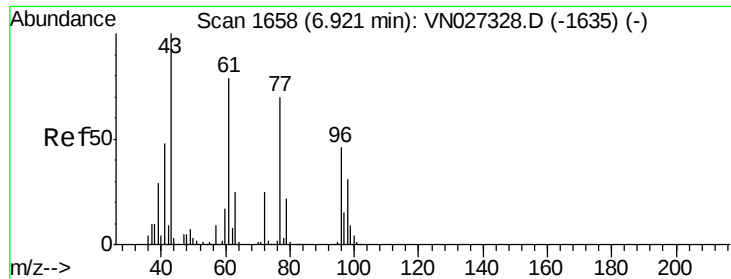
MMDadoda
 9/22/2015 2:28:33 PM



#26
 2-Butanone
 Concen: 104.78 ug/l
 RT: 6.92 min Scan# 1657
 Delta R.T. 0.01 min
 Lab File: VN027340.D
 Acq: 21 Sep 2015 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	387018		
72	26.7		18.8	28.2





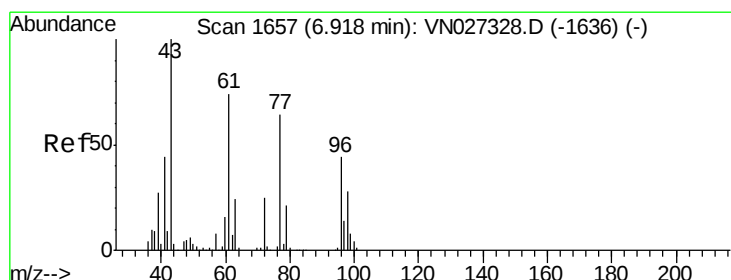
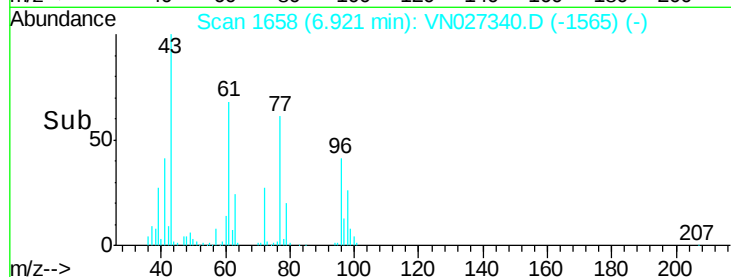
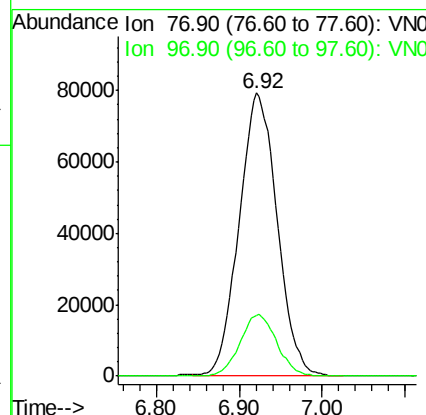
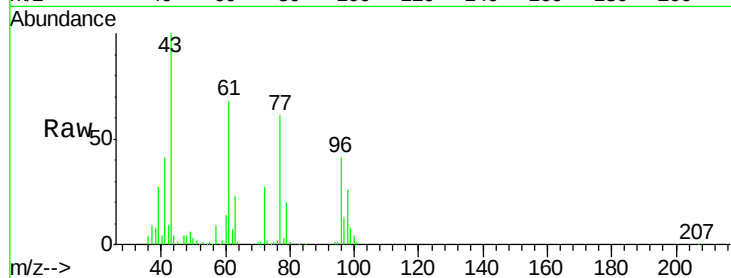
#27
 2,2-Dichloropropane
 Concen: 19.62 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. -0.00 min
 Lab File: VN027340.D
 Acq: 21 Sep 2015 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBS01

Tot Ion	Ratio	Lower	Upper
77	100		
97	21.1	11.8	35.3

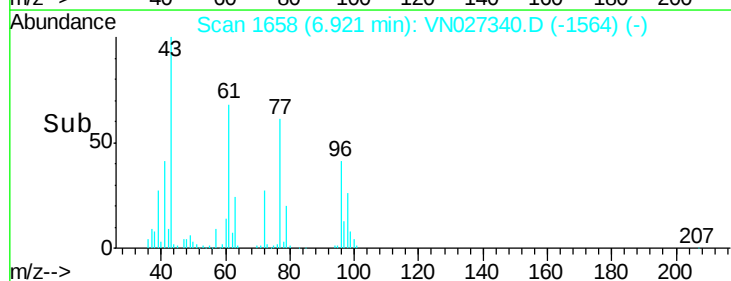
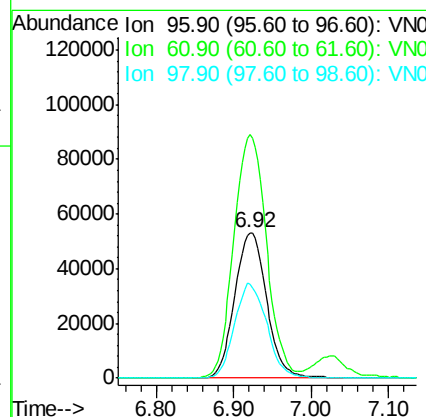
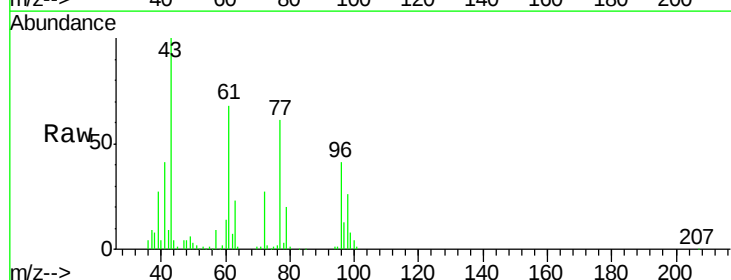
Manual Integrations
 APPROVED

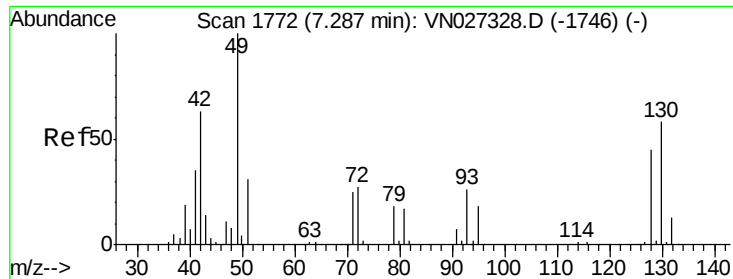
MMDadoda
 9/22/2015 2:28:33 PM



#28
 cis-1,2-Dichloroethene
 Concen: 19.45 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027340.D
 Acq: 21 Sep 2015 19:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.4	0.0	329.2
98	65.5	0.0	126.0





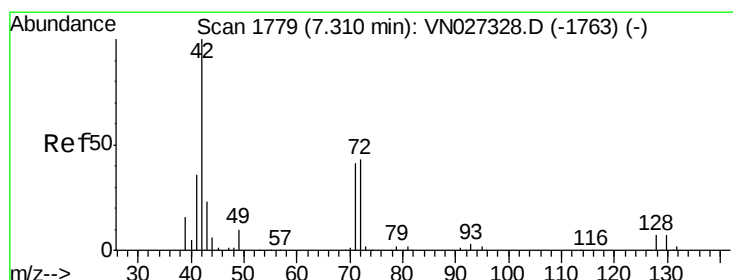
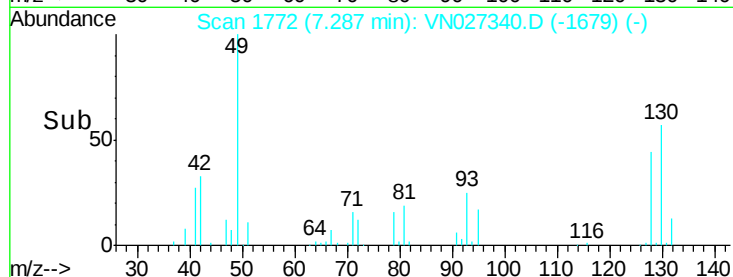
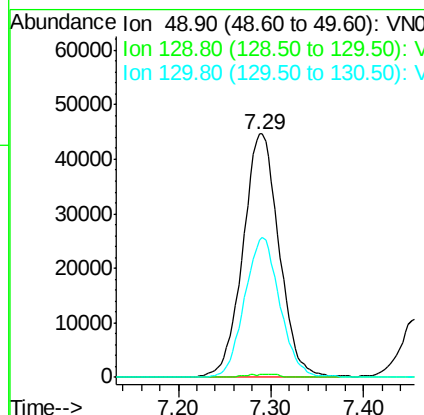
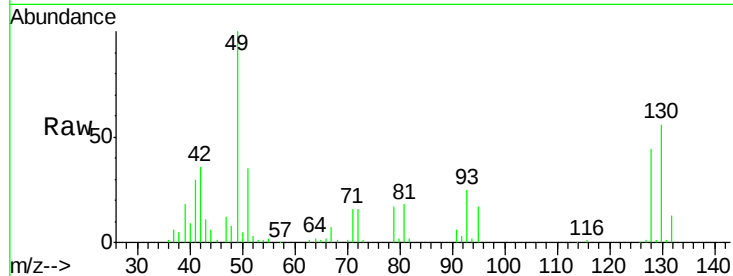
#29
Bromochloromethane
Concen: 20.62 ug/l
RT: 7.29 min Scan# 1772
Delta R.T. -0.00 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBS01

Tot Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.2
130	56.0	43.2	64.8

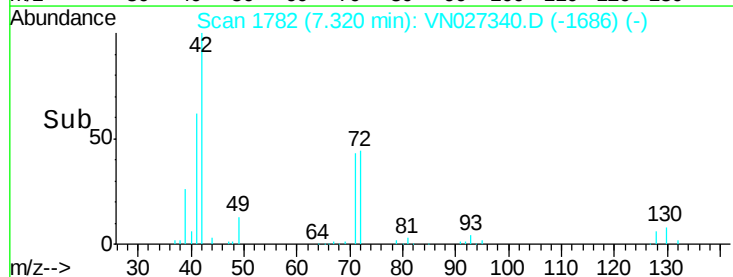
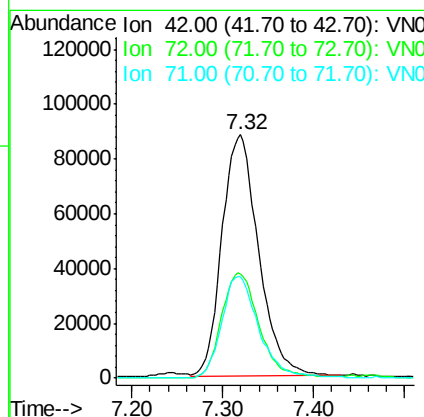
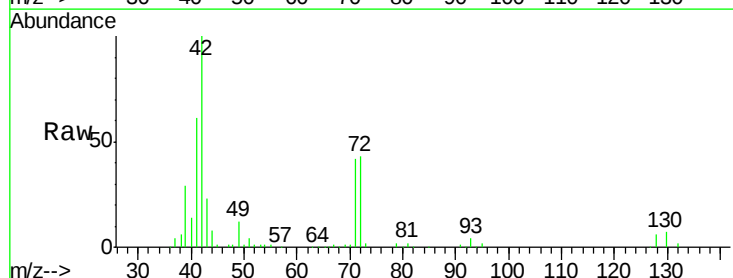
Manual Integrations
APPROVED

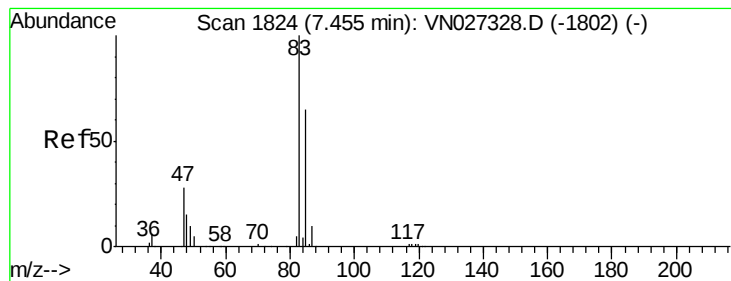
MMDadoda
9/22/2015 2:28:33 PM



#30
Tetrahydrofuran
Concen: 105.63 ug/l
RT: 7.32 min Scan# 1782
Delta R.T. 0.01 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.7	29.9	44.9
71	42.5	28.3	42.5





#31

Chloroform

Concen: 19.97 ug/l

RT: 7.46 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN027340.D

Acq: 21 Sep 2015 19:36

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBS01

Tot Ion: 83 Resp: 280350

Ion Ratio Lower Upper

83 100

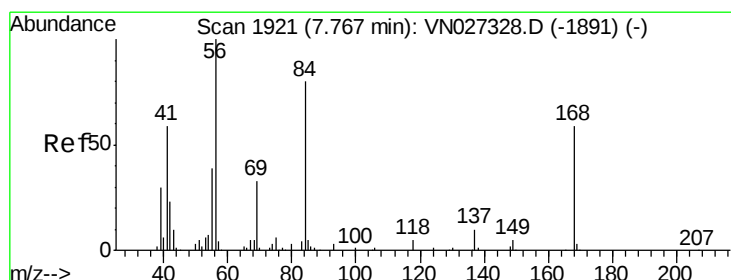
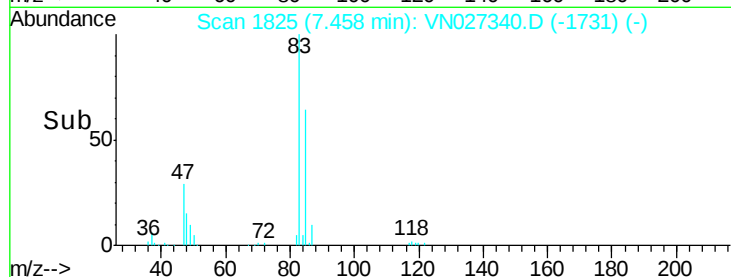
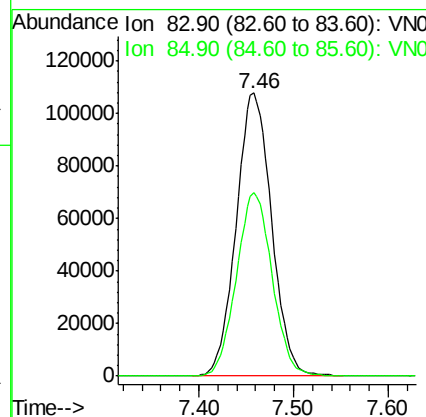
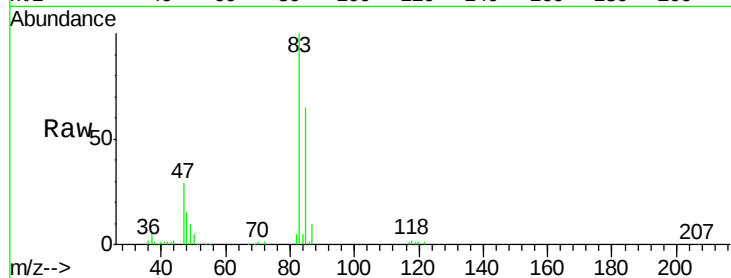
85 64.7 51.1 76.7

Manual Integrations

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#32

Cyclohexane

Concen: 19.71 ug/l

RT: 7.77 min Scan# 1921

Delta R.T. 0.00 min

Lab File: VN027340.D

Acq: 21 Sep 2015 19:36

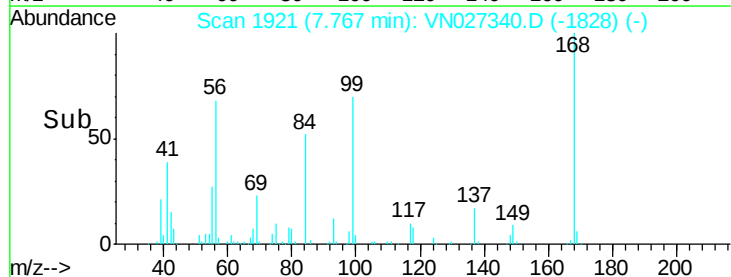
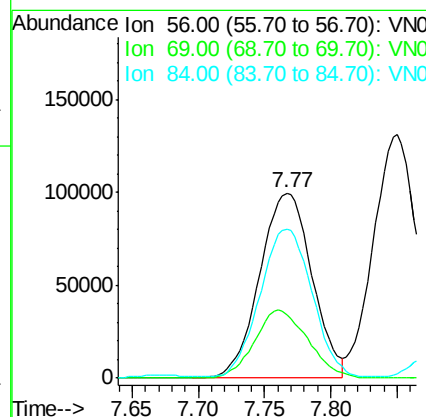
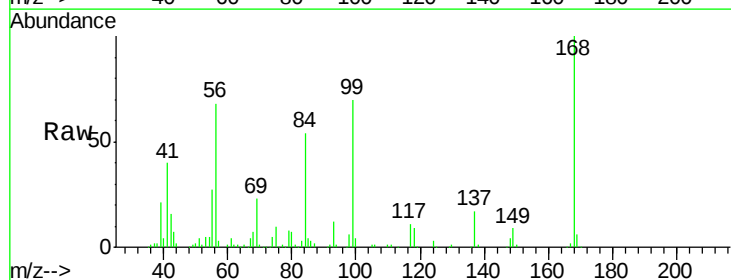
Tgt Ion: 56 Resp: 274720

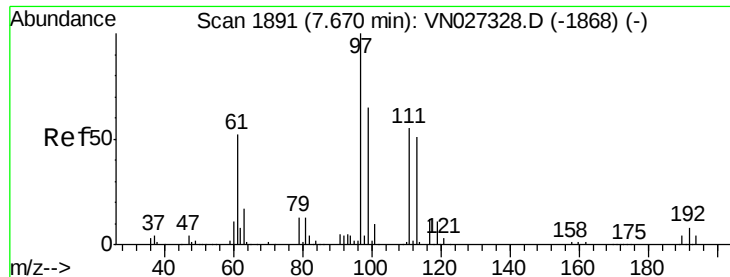
Ion Ratio Lower Upper

56 100

69 34.3 23.0 34.4

84 79.6 57.8 86.8





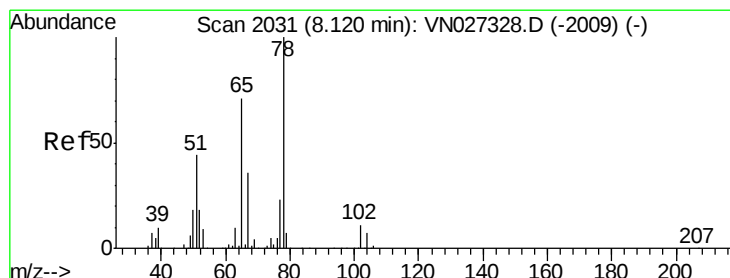
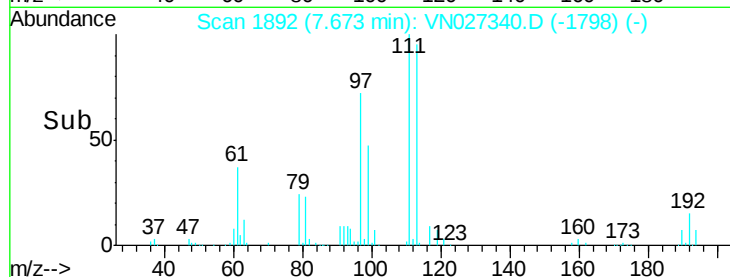
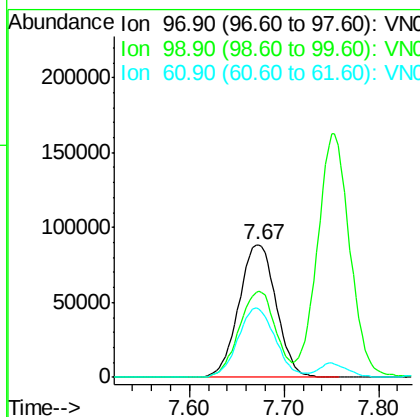
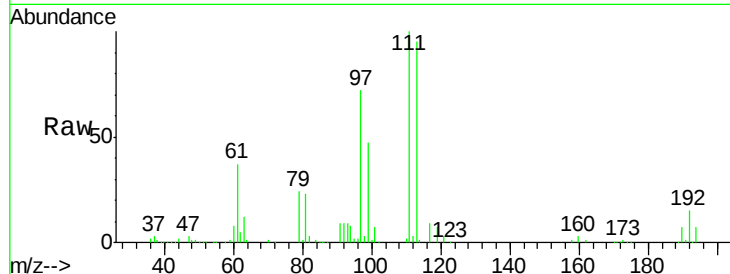
#33
 1,1,1-Trichloroethane
 Concen: 19.52 ug/l
 RT: 7.67 min Scan# 1892
 Delta R.T. 0.00 min
 Lab File: VN027340.D
 Acq: 21 Sep 2015 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.1	75.1
61	51.8	44.0	66.0

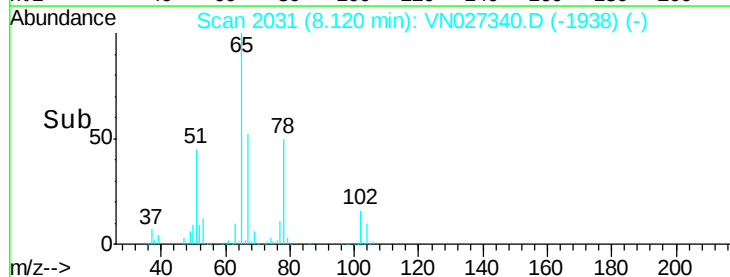
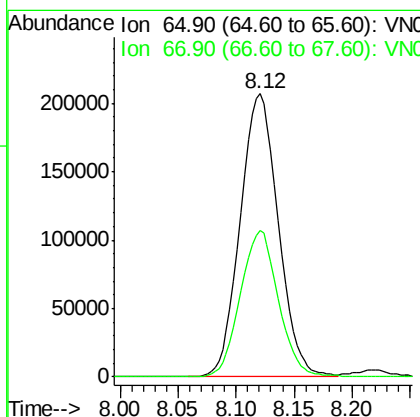
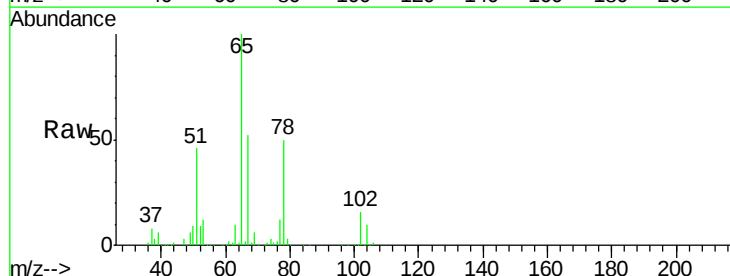
Manual Integrations
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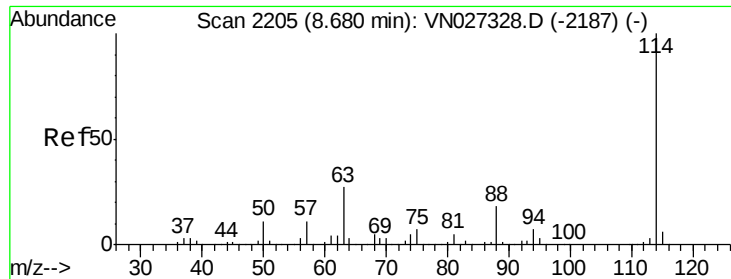
MMDadoda
 9/22/2015 2:28:33 PM



#34
 1,2-Dichloroethane-d4
 Concen: 45.84 ug/l
 RT: 8.12 min Scan# 2031
 Delta R.T. -0.00 min
 Lab File: VN027340.D
 Acq: 21 Sep 2015 19:36

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	110.6





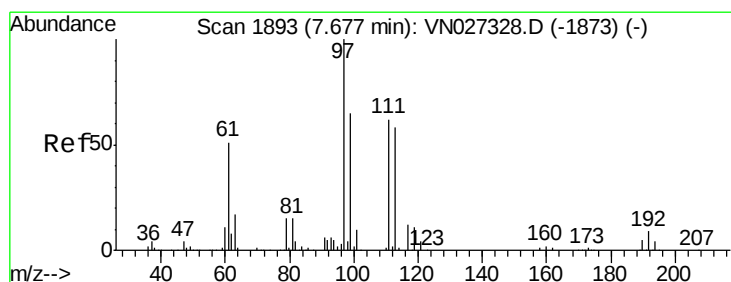
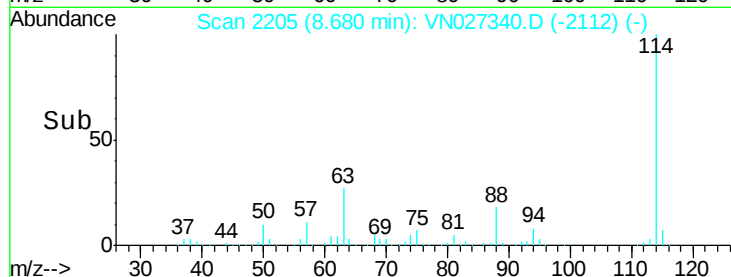
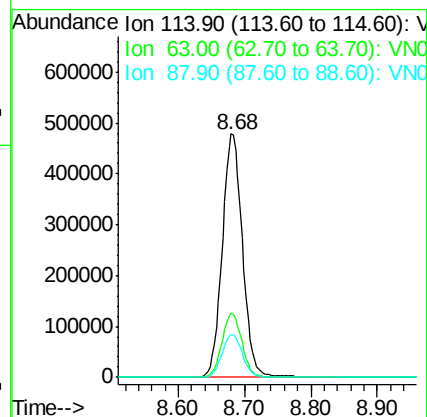
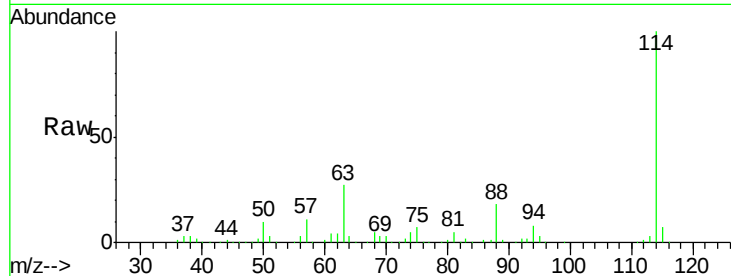
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: VN027340.D
 Acq: 21 Sep 2015 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.6	0.0	48.8
88	17.7	0.0	32.2

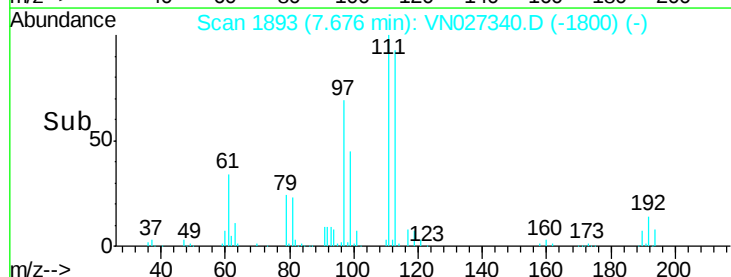
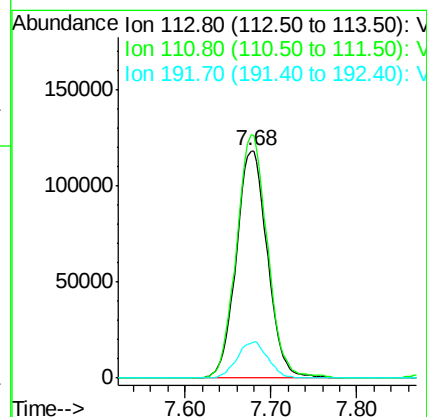
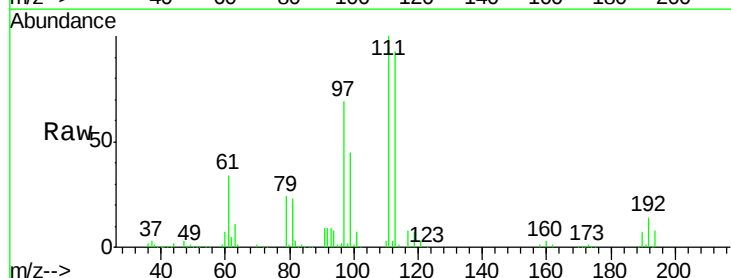
Manual Integrations
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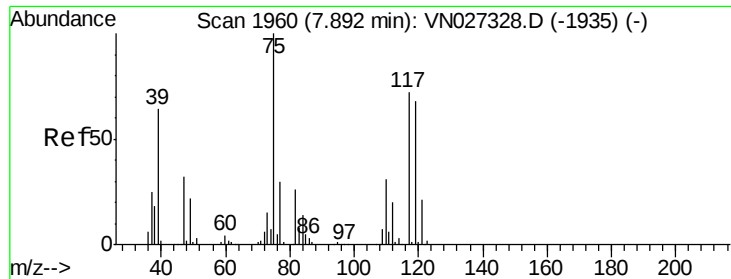
MMDadoda
 9/22/2015 2:28:33 PM



#36
 Dibromofluoromethane
 Concen: 45.17 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. -0.00 min
 Lab File: VN027340.D
 Acq: 21 Sep 2015 19:36

Tgt Ion	Ratio	Lower	Upper
113	100		
111	106.7	83.0	124.4
192	15.9	14.1	21.1





#37

1,1-Dichloropropene

Concen: 18.43 ug/l

RT: 7.89 min Scan# 1960

Delta R.T. -0.00 min

Lab File: VN027340.D

Acq: 21 Sep 2015 19:36

Instrument :

MSVOA_N

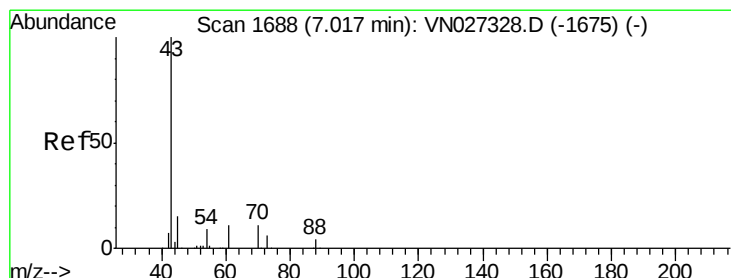
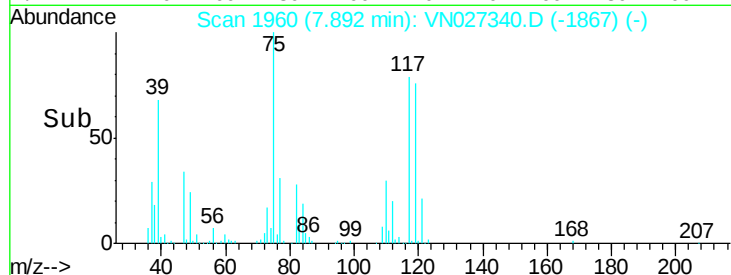
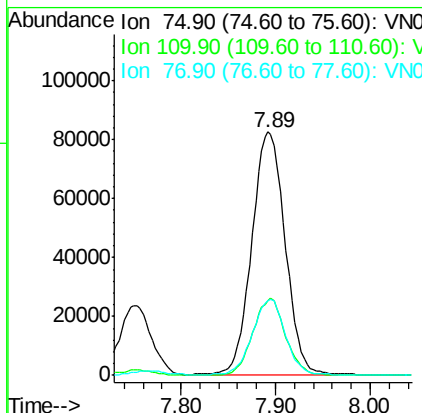
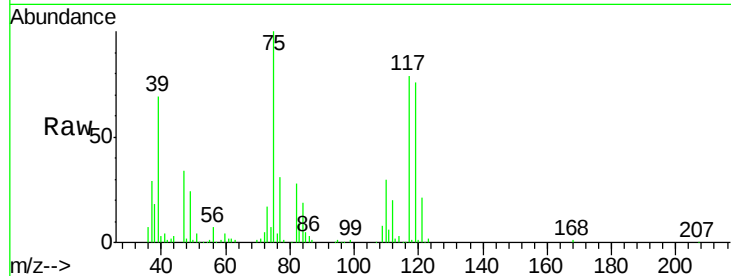
ClientSampleId :

VN0921WBS01

Tot Ion:	75	Resp:	201040
Ion Ratio	Lower	Upper	
75	100		
110	31.1	15.9	47.7
77	31.5	24.9	37.3

Manual Integrations
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9/22/2015 2:28:33 PM



#38

Ethyl Acetate

Concen: 20.89 ug/l

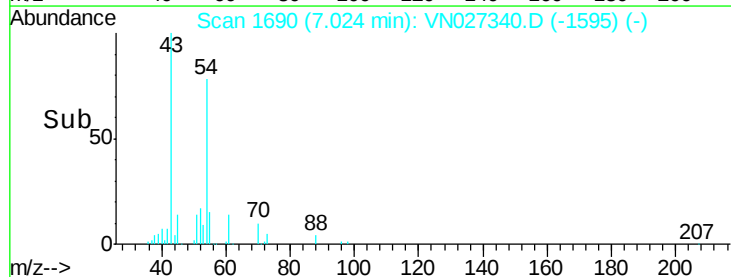
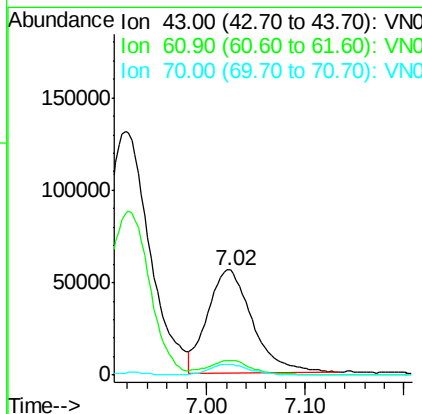
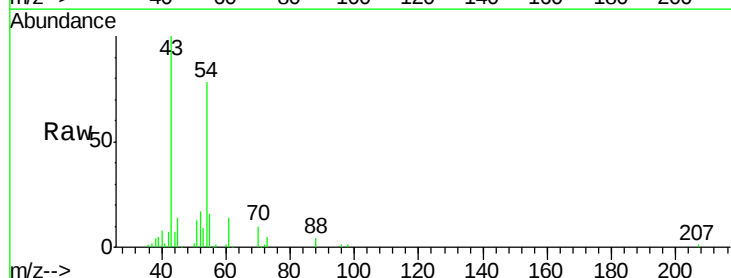
RT: 7.02 min Scan# 1690

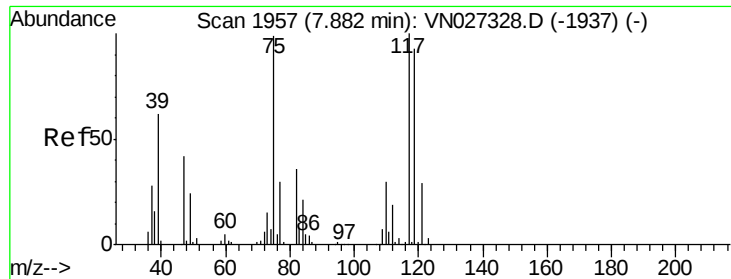
Delta R.T. 0.01 min

Lab File: VN027340.D

Acq: 21 Sep 2015 19:36

Tgt Ion:	43	Resp:	175984
Ion Ratio	Lower	Upper	
43	100		
61	10.9	10.2	15.4
70	10.1	7.4	11.0





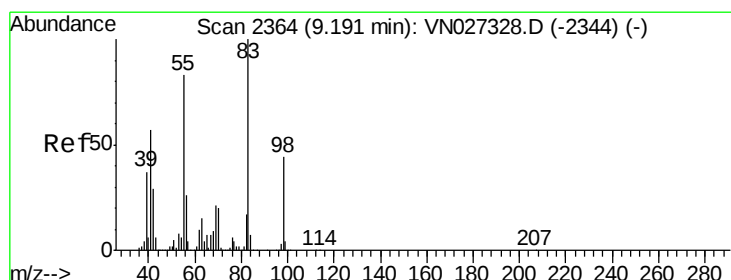
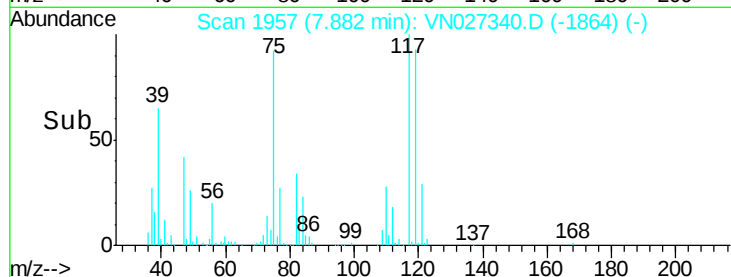
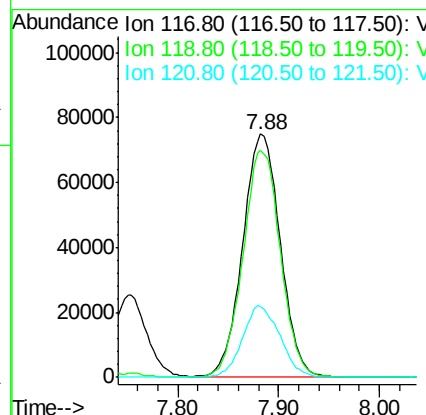
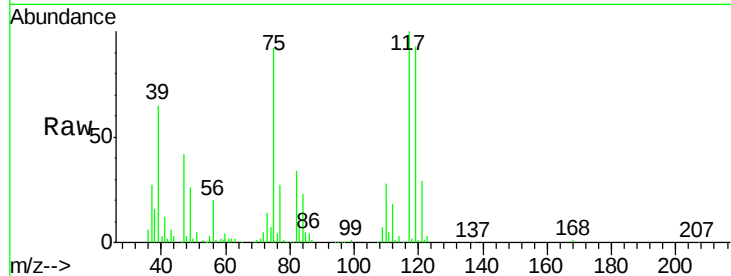
#39
Carbon Tetrachloride
Concen: 18.87 ug/l
RT: 7.88 min Scan# 1957
Delta R.T. -0.00 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.1	75.3	112.9
121	29.3	23.8	35.8

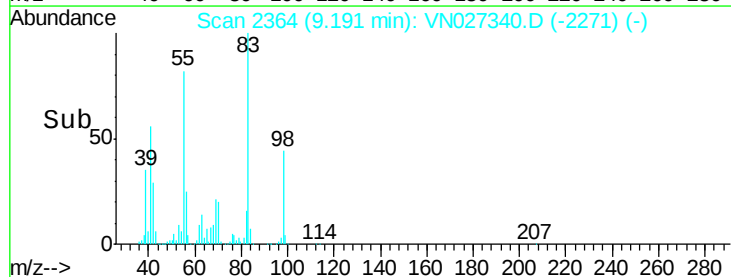
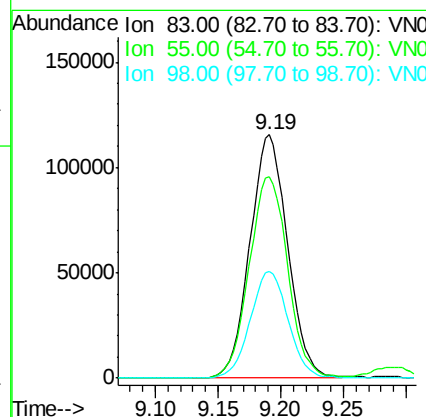
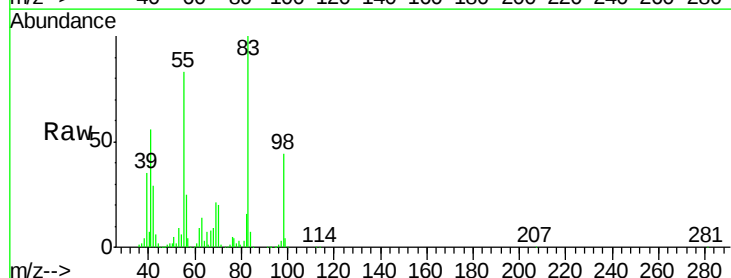
Manual Integrations
APPROVED

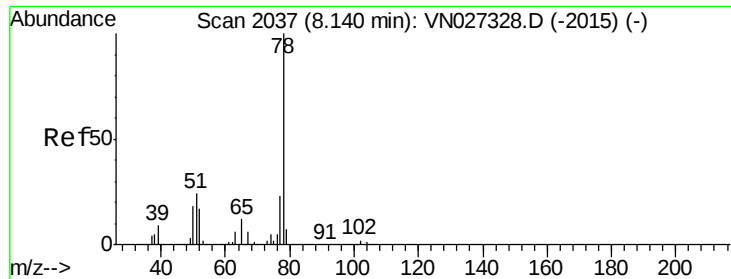
MMDadoda
9/22/2015 2:28:33 PM



#40
Methylcyclohexane
Concen: 18.71 ug/l
RT: 9.19 min Scan# 2364
Delta R.T. -0.00 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.4	69.8	104.8
98	44.0	34.3	51.5





#41

Benzene

Concen: 19.37 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VN027340.D

Acq: 21 Sep 2015 19:36

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBS01

Tot Ion: 78 Resp: 613321

Ion Ratio Lower Upper

78 100

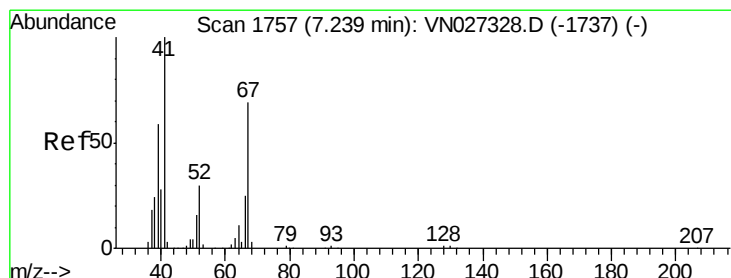
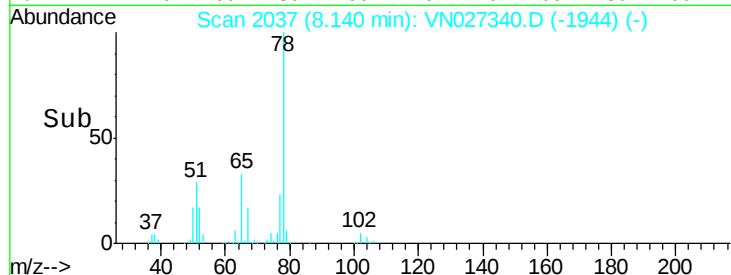
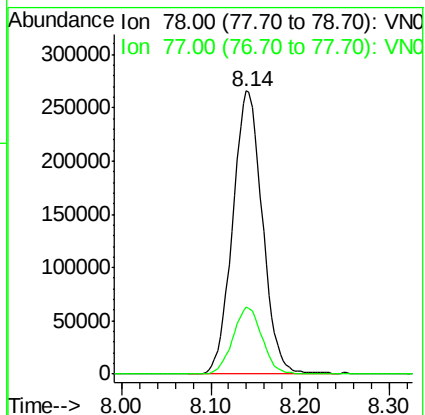
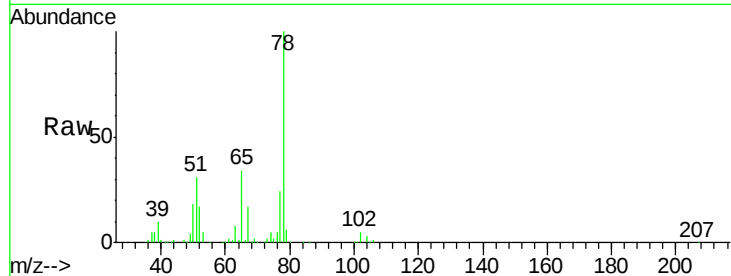
77 23.6 19.0 28.4

Manual Integrations

APPROVED

MMDadoda

9/22/2015 2:28:33 PM



#42

Methacrylonitrile

Concen: 19.52 ug/l

RT: 7.24 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VN027340.D

Acq: 21 Sep 2015 19:36

Tgt Ion: 41 Resp: 97052

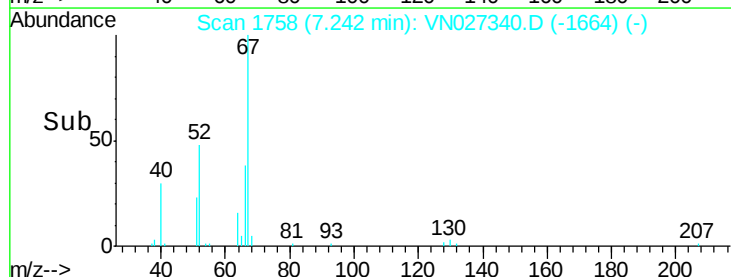
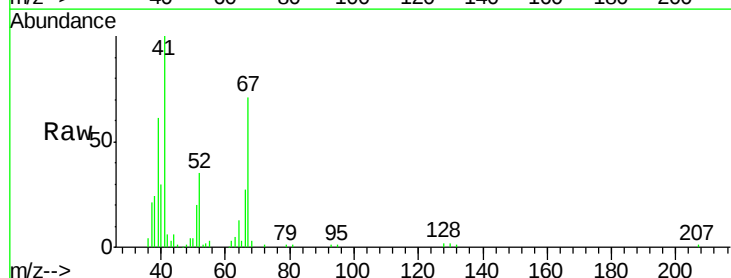
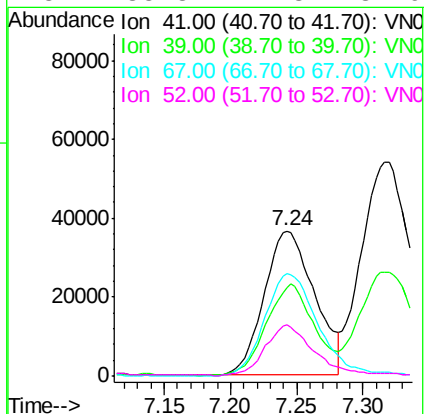
Ion Ratio Lower Upper

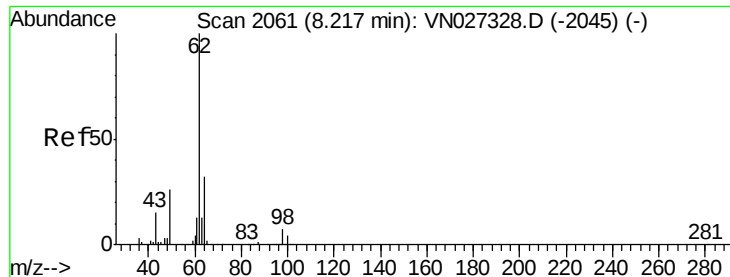
41 100

39 61.6 43.0 64.6

67 75.6 52.2 78.2

52 35.8 21.3 31.9#





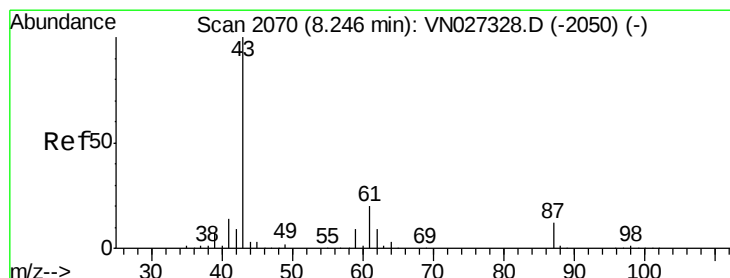
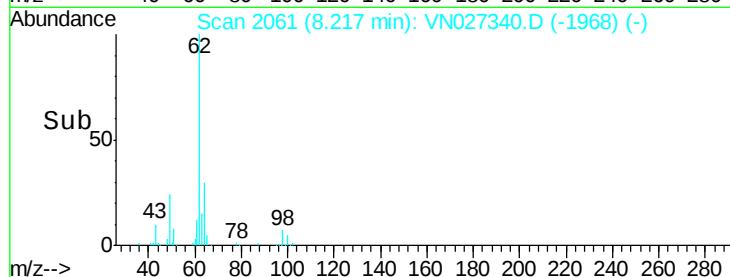
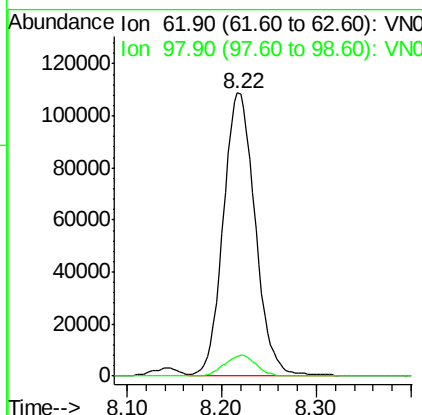
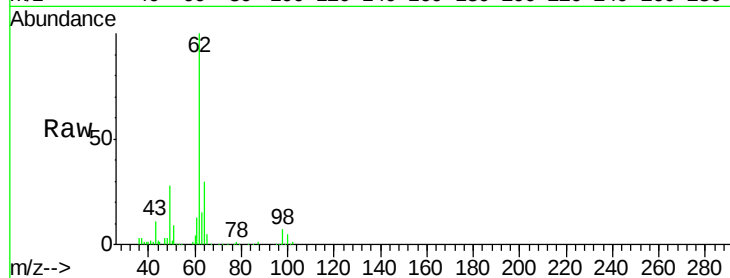
#43
 1,2-Dichloroethane
 Concen: 19.62 ug/l
 RT: 8.22 min Scan# 2061
 Delta R.T. -0.00 min
 Lab File: VN027340.D
 Acq: 21 Sep 2015 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBS01

Tot Ion	Ratio	Resp	Lower	Upper
62	100	253282		
98	7.4	0.0	18.0	

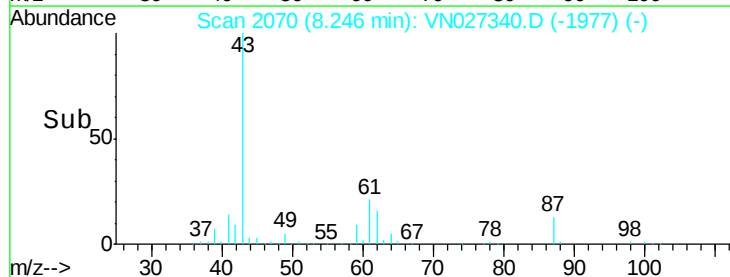
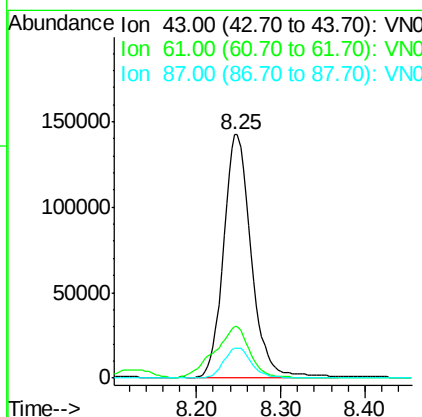
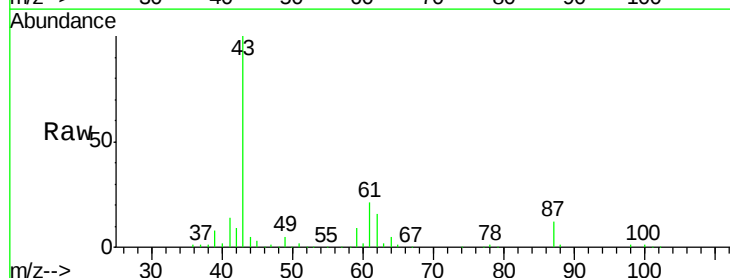
Manual Integrations
 APPROVED

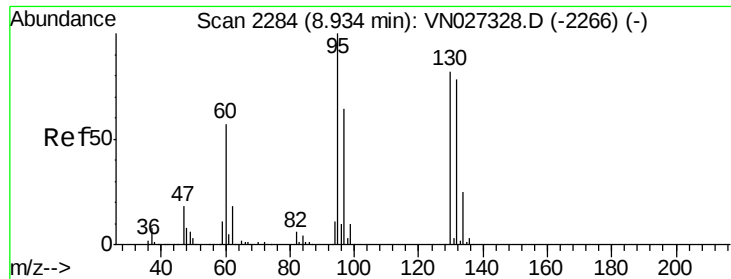
MMDadoda
 9/22/2015 2:28:33 PM



#44
 Isopropyl Acetate
 Concen: 19.93 ug/l
 RT: 8.25 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VN027340.D
 Acq: 21 Sep 2015 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	320920		
61	26.9	20.6	31.0	
87	12.7	8.6	13.0	





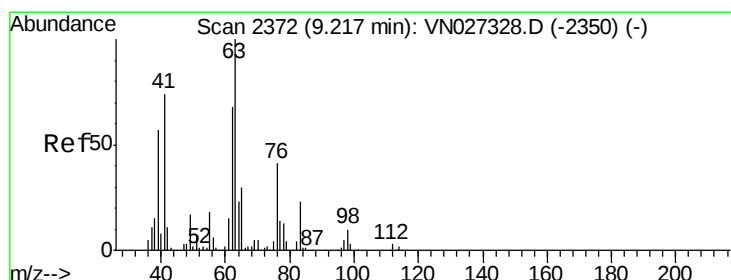
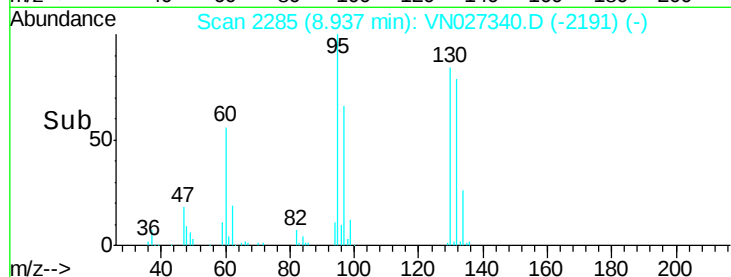
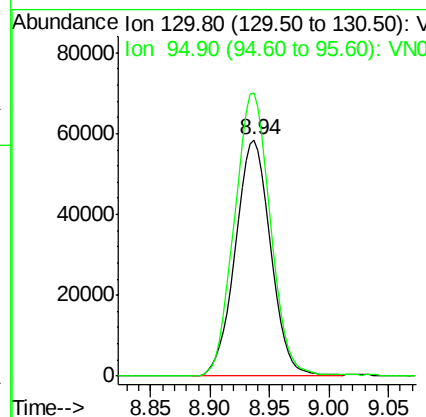
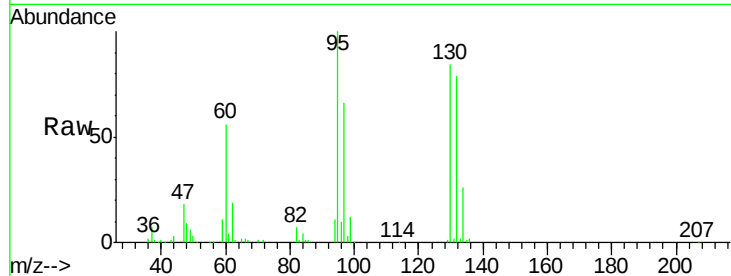
#45
 Trichloroethene
 Concen: 18.99 ug/l
 RT: 8.94 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN027340.D
 Acq: 21 Sep 2015 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBS01

Tot Ion	Ratio	Resp	Lower	Upper
130	100			
95	119.6	0.0	222.2	

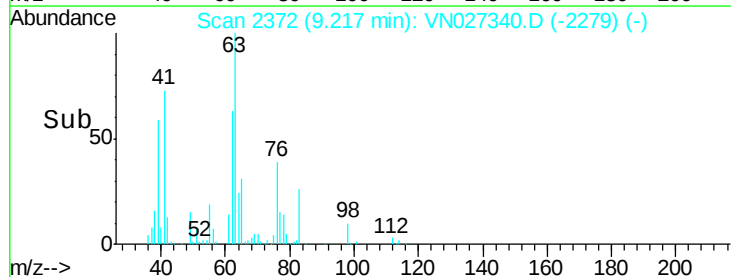
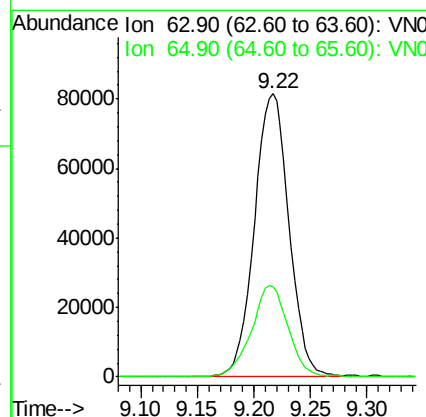
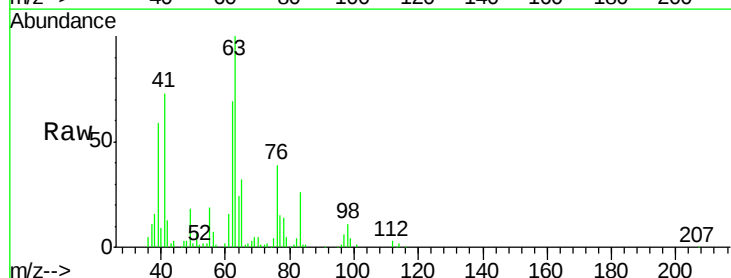
Manual Integrations
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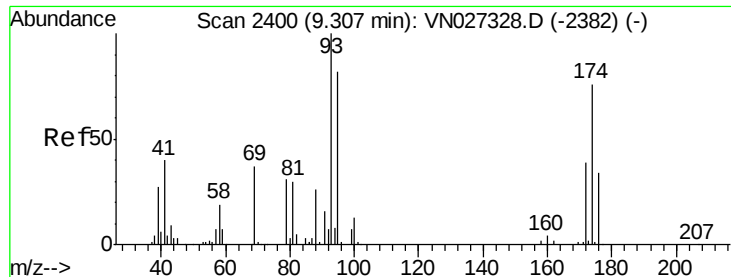
MMDadoda
 9/22/2015 2:28:33 PM



#46
 1,2-Dichloropropane
 Concen: 19.56 ug/l
 RT: 9.22 min Scan# 2372
 Delta R.T. -0.00 min
 Lab File: VN027340.D
 Acq: 21 Sep 2015 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
63	100			
65	31.6	24.4	36.6	





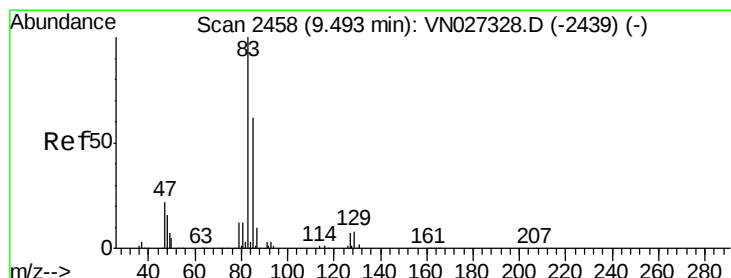
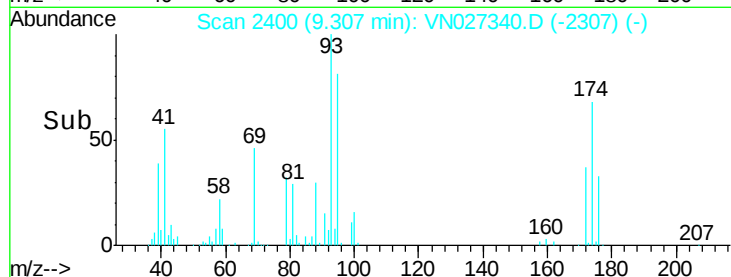
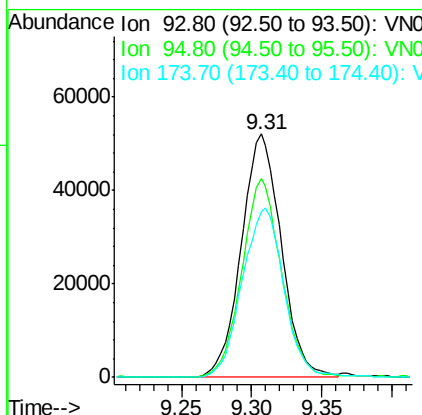
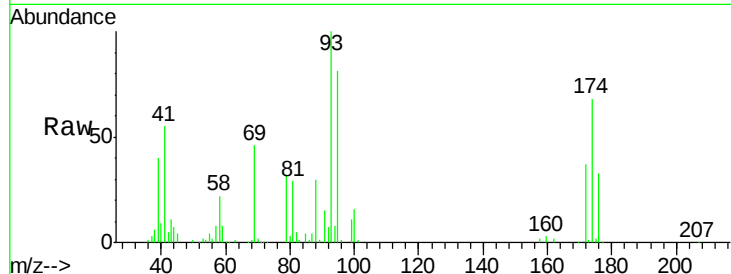
#47
Dibromomethane
Concen: 19.47 ug/l
RT: 9.31 min Scan# 2400
Delta R.T. -0.00 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBS01

Tot Ion	Ratio	Resp	Lower	Upper
93	100			
95	80.5	66.3	99.5	
174	72.3	67.8	101.6	

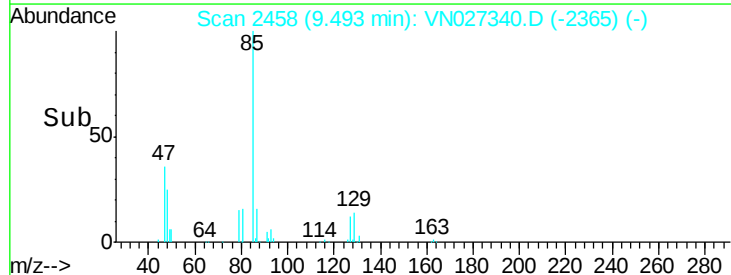
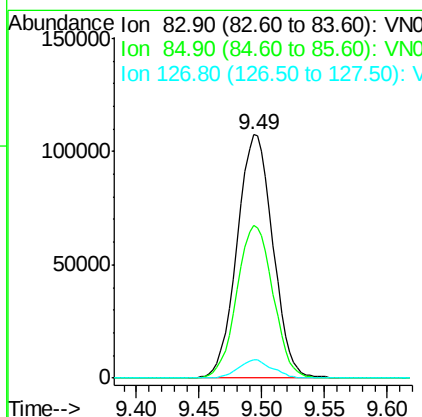
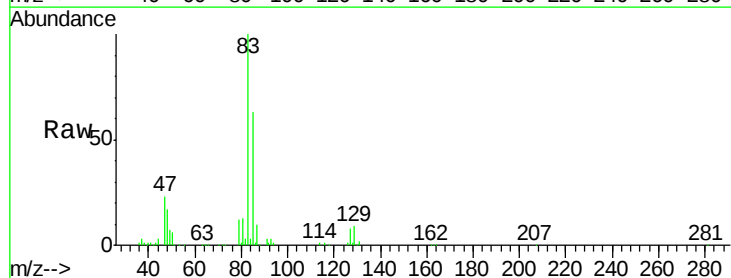
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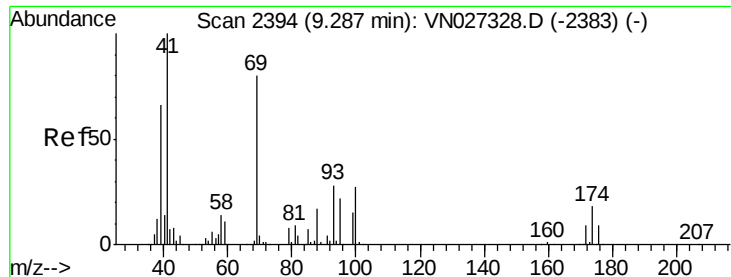
MMDadoda
9/22/2015 2:28:33 PM



#48
Bromodichloromethane
Concen: 18.94 ug/l
RT: 9.49 min Scan# 2458
Delta R.T. -0.00 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	62.5	50.7	76.1	
127	7.6	5.5	8.3	





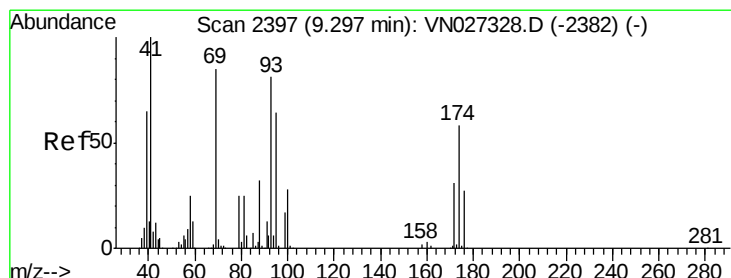
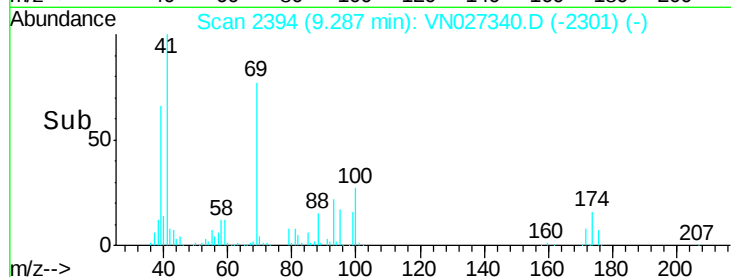
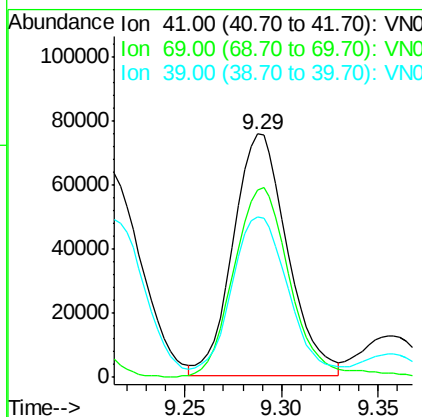
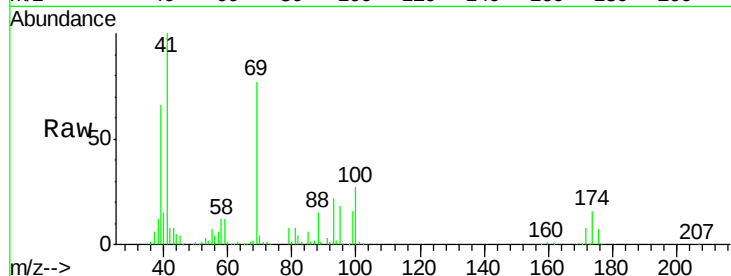
#49
Methvl methacrylate
Concen: 19.51 ug/l
RT: 9.29 min Scan# 2394
Delta R.T. -0.00 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBS01

Tot Ion	Ratio	Resp	Lower	Upper
41	100	147845		
69	81.3	59.3	88.9	
39	68.9	39.5	59.3#	

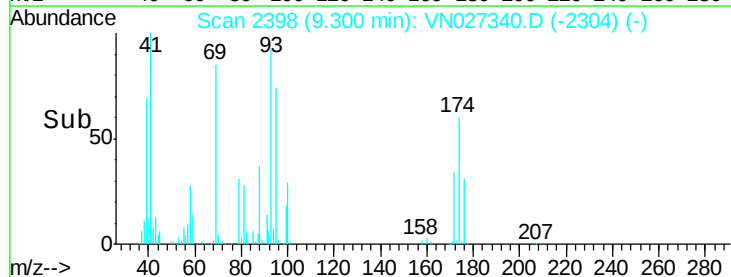
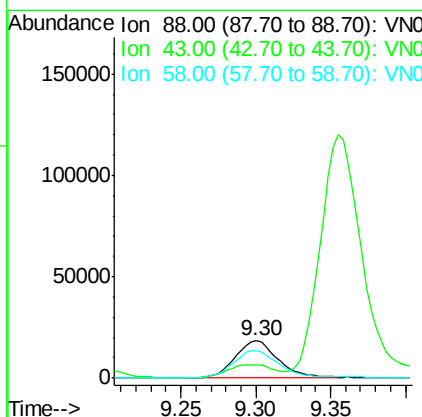
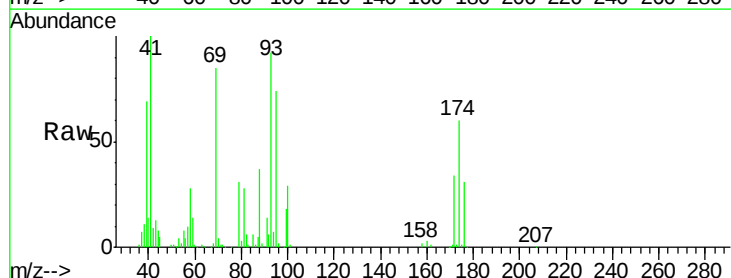
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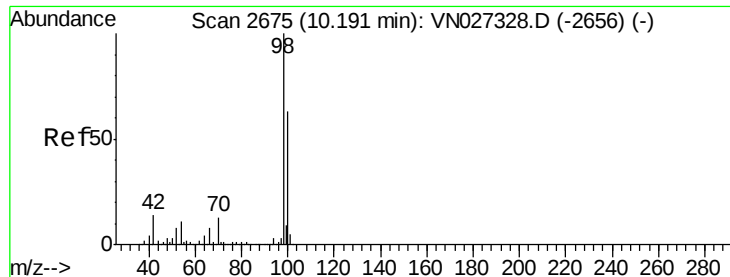
MMDadoda
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#50
1,4-Dioxane
Concen: 403.63 ug/l
RT: 9.30 min Scan# 2398
Delta R.T. 0.00 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	36912		
43	36.4	27.6	41.4	
58	77.9	63.1	94.7	





#51

Toluene-d8

Concen: 44.62 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027340.D

Acq: 21 Sep 2015 19:36

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBS01

Tot Ion: 98 Resp: 1139247

Ion Ratio Lower Upper

98 100

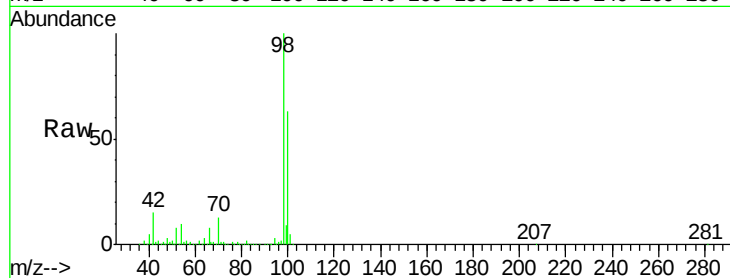
100 63.0 50.5 75.7

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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

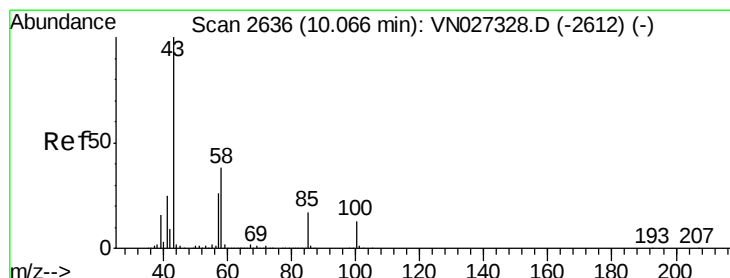
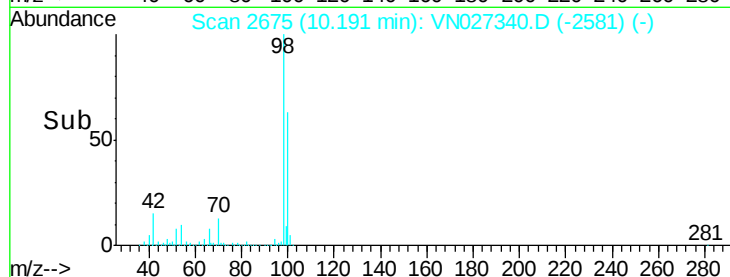
400000

200000

0

10.10 10.20 10.30

Time-->



#52

4-Methyl-2-Pentanone

Concen: 101.93 ug/l

RT: 10.07 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VN027340.D

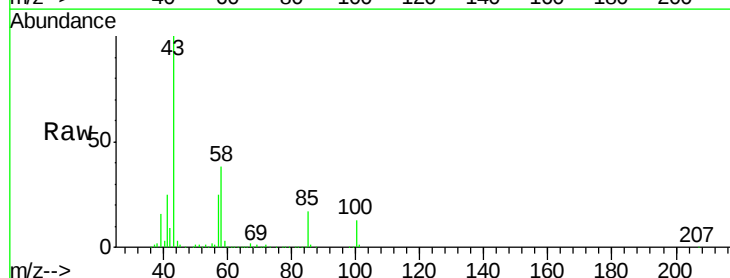
Acq: 21 Sep 2015 19:36

Tgt Ion: 43 Resp: 843992

Ion Ratio Lower Upper

43 100

58 38.5 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

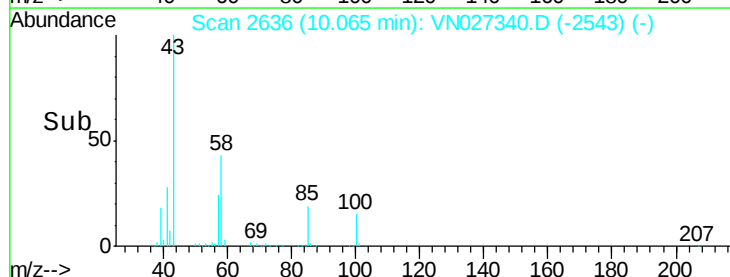
200000

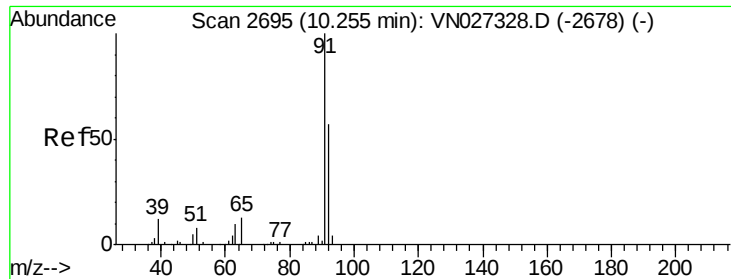
100000

0

10.00 10.10 10.20

Time-->





#53

Toluene

Concen: 18.95 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. -0.00 min

Lab File: VN027340.D

Acq: 21 Sep 2015 19:36

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBS01

Tot Ion: 92 Resp: 354958

Ion Ratio Lower Upper

92 100

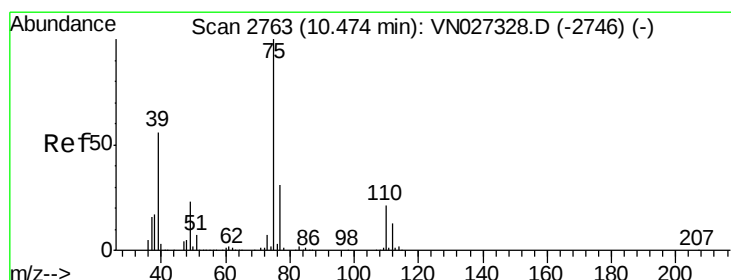
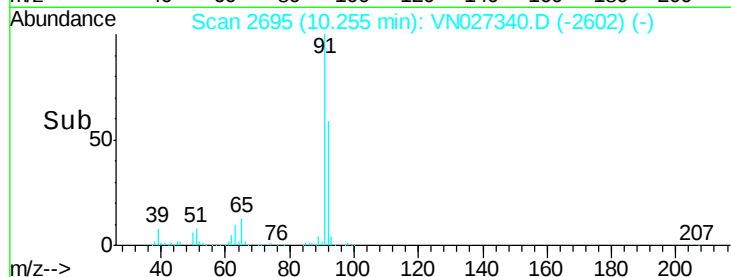
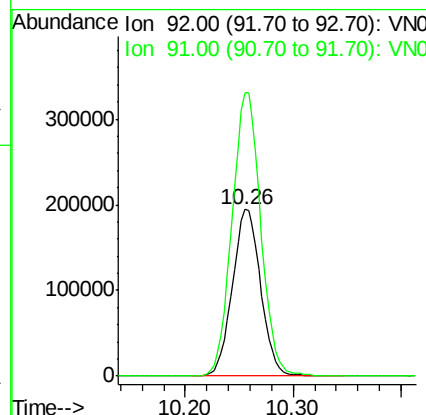
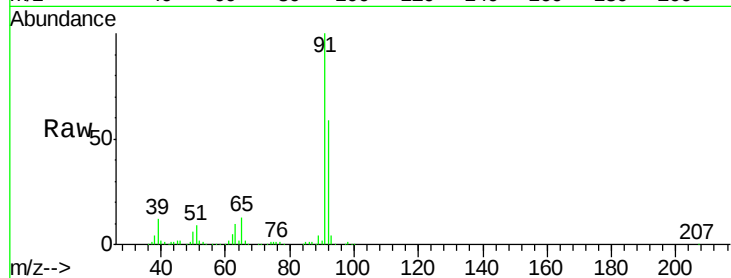
91 173.0 141.4 212.2

Manual Integrations

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#54

t-1,3-Dichloropropene

Concen: 18.50 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VN027340.D

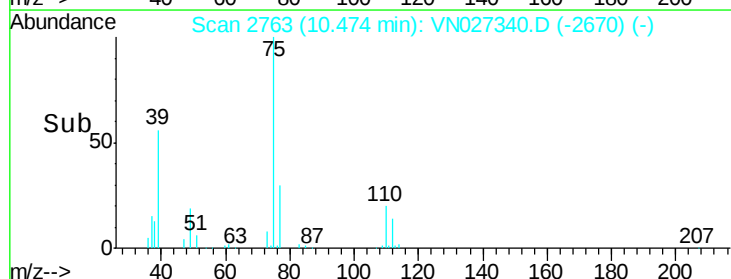
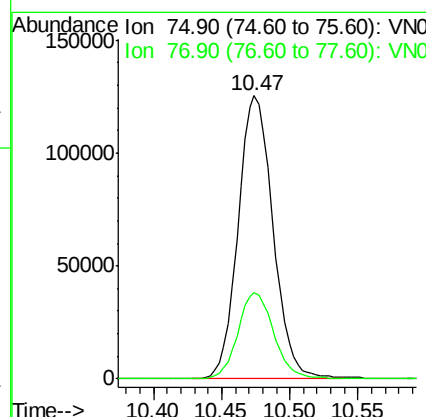
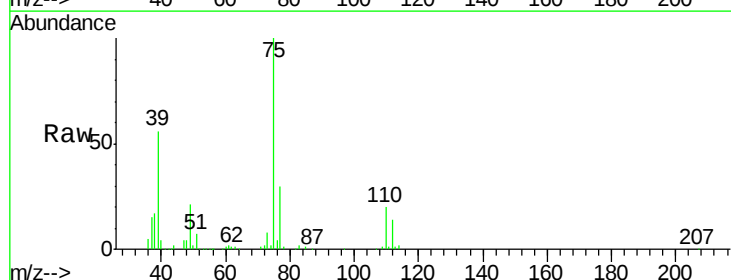
Acq: 21 Sep 2015 19:36

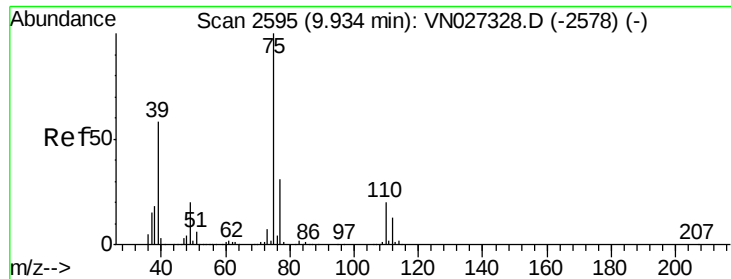
Tgt Ion: 75 Resp: 222775

Ion Ratio Lower Upper

75 100

77 30.2 25.4 38.2





#55

cis-1,3-Dichloropropene

Concen: 18.99 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. -0.00 min

Lab File: VN027340.D

Acq: 21 Sep 2015 19:36

Instrument :

MSVOA_N

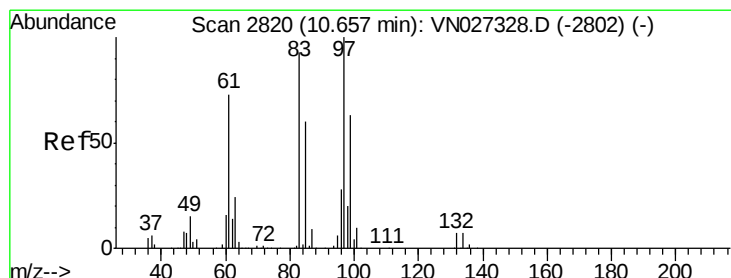
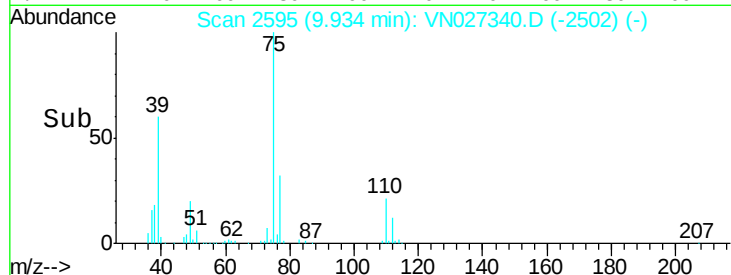
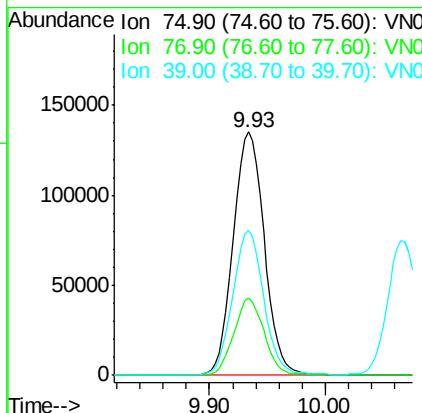
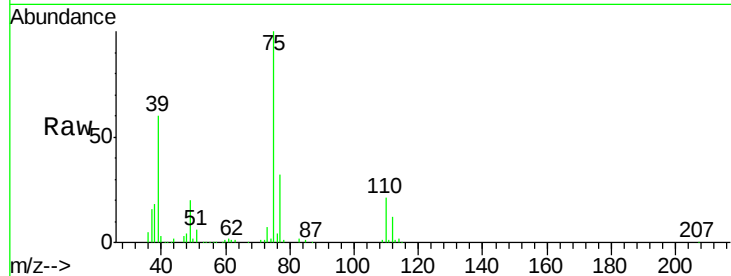
ClientSampleId :

VN0921WBS01

Tot Ion:	75	Resp:	251168
Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.6	38.4
39	59.6	41.6	62.4

Manual Integrations
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#56

1,1,2-Trichloroethane

Concen: 19.32 ug/l

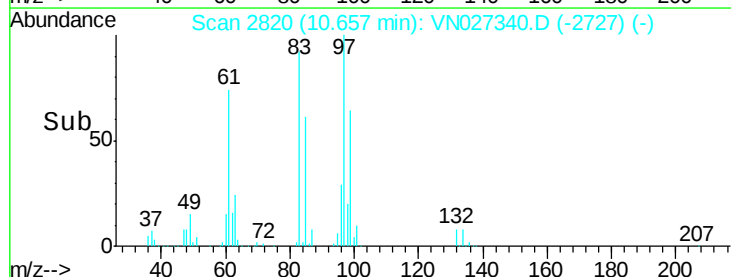
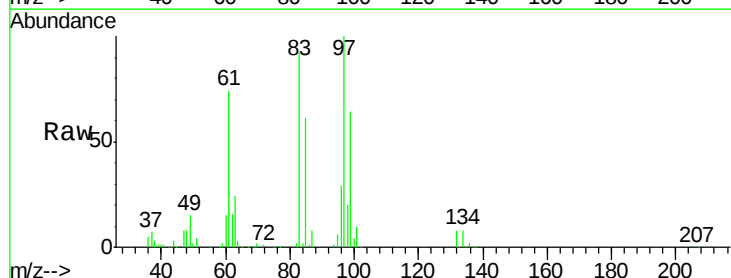
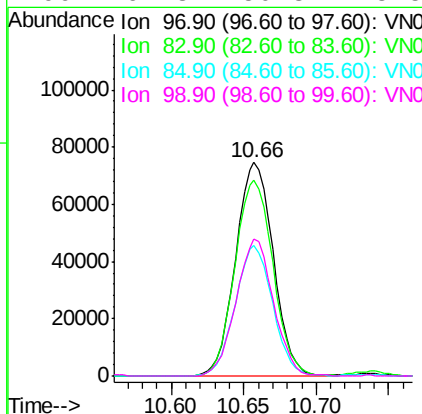
RT: 10.66 min Scan# 2820

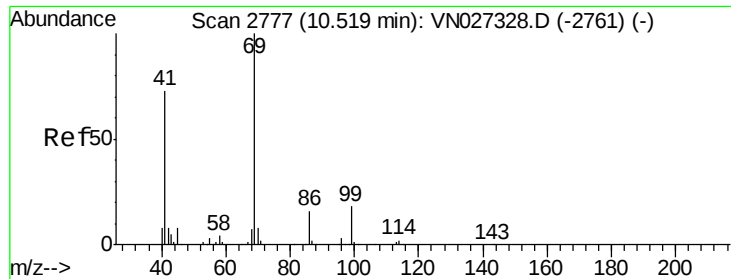
Delta R.T. -0.00 min

Lab File: VN027340.D

Acq: 21 Sep 2015 19:36

Tgt Ion:	97	Resp:	134898
Ion	Ratio	Lower	Upper
97	100		
83	91.6	75.0	112.4
85	60.9	48.0	72.0
99	64.3	50.3	75.5





#57

Ethyl methacrylate

Concen: 19.17 ug/l

RT: 10.52 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN027340.D

Acq: 21 Sep 2015 19:36

Instrument :

MSVOA_N

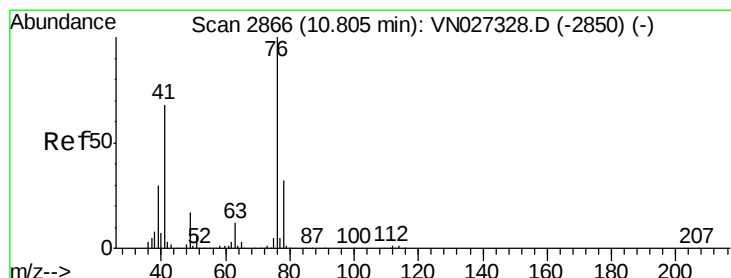
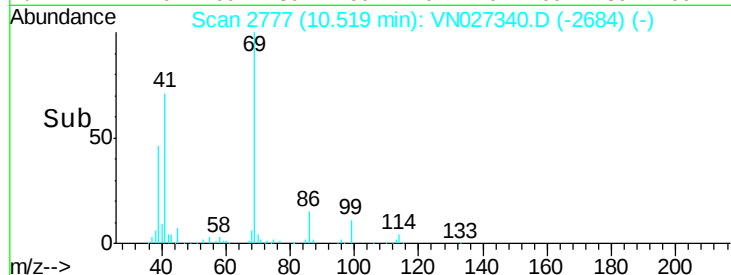
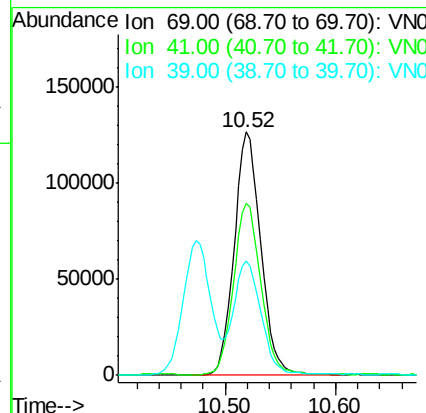
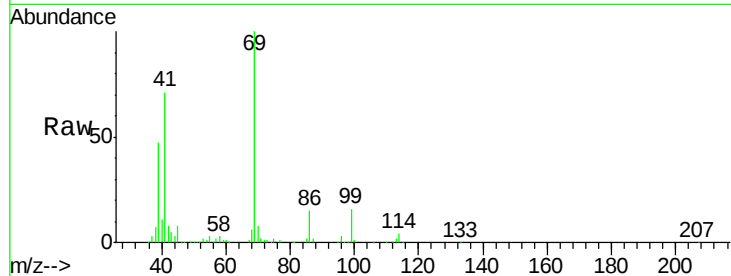
ClientSampleId :

VN0921WBS01

Tot Ion:	69.00	Resp:	212514
Ion Ratio	Lower	Upper	
69	100		
41	71.6	61.3	91.9
39	47.1	28.4	42.6

Manual Integrations
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#58

1,3-Dichloropropane

Concen: 19.70 ug/l

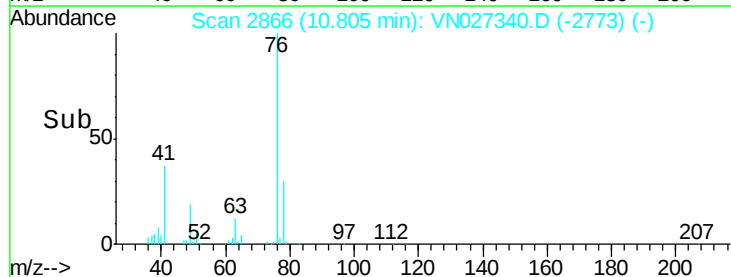
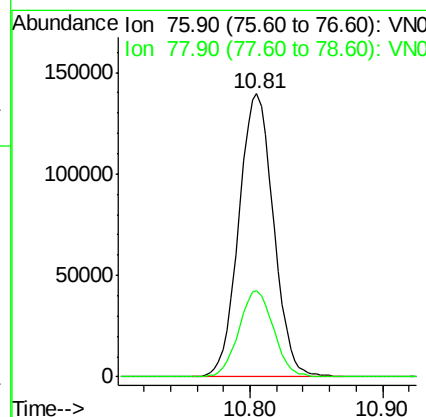
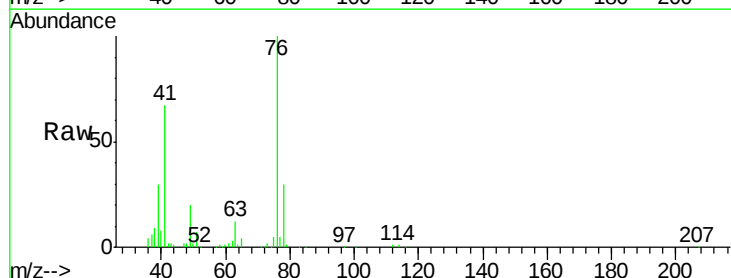
RT: 10.81 min Scan# 2866

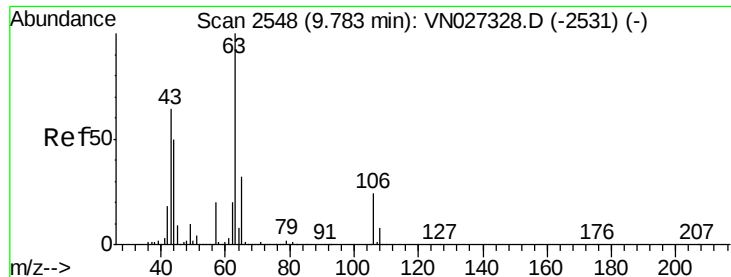
Delta R.T. -0.00 min

Lab File: VN027340.D

Acq: 21 Sep 2015 19:36

Tgt Ion:	76	Resp:	253533
Ion Ratio	Lower	Upper	
76	100		
78	30.7	25.0	37.6





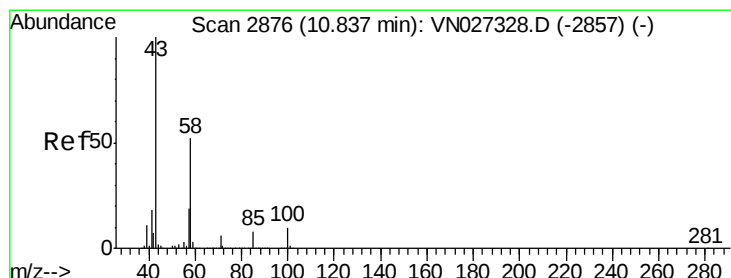
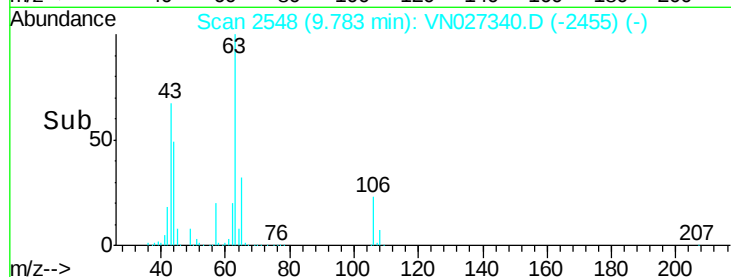
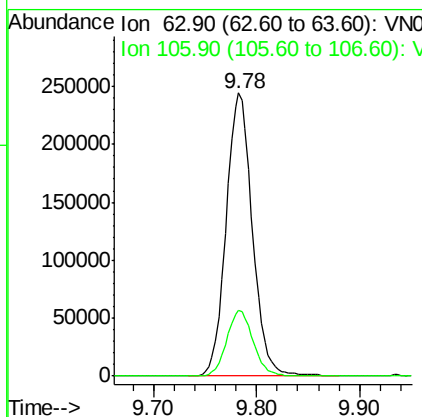
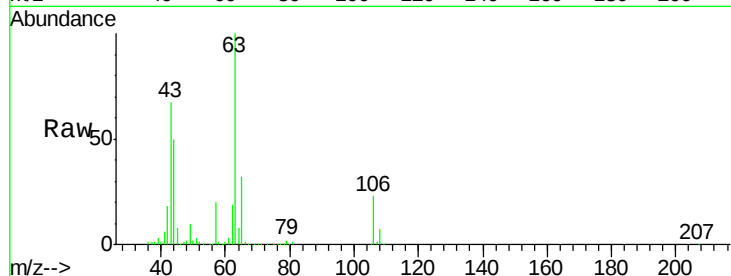
#59
2-Chloroethyl Vinyl ether
Concen: 88.24 ug/l
RT: 9.78 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBS01

Tot Ion: 63 Resp: 433434
Ion Ratio Lower Upper
63 100
106 23.4 17.7 26.5

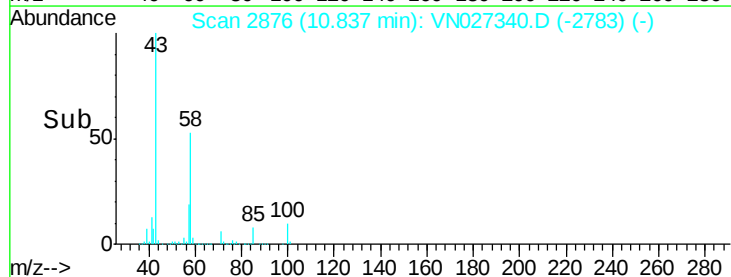
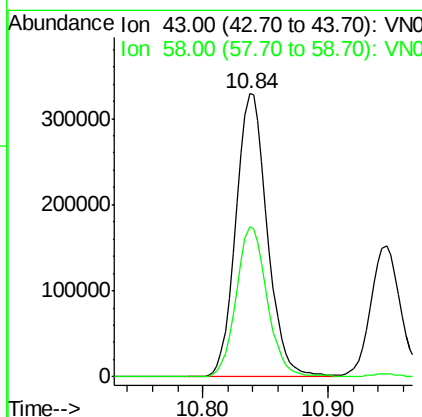
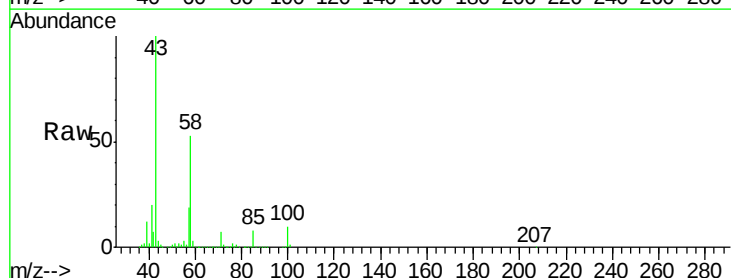
Manual Integrations
APPROVED

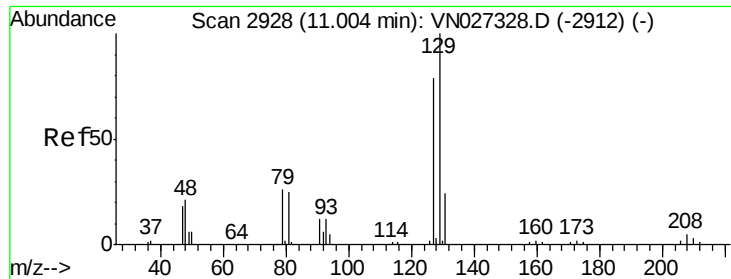
MMDadoda
9/22/2015 2:28:33 PM



#60
2-Hexanone
Concen: 101.39 ug/l
RT: 10.84 min Scan# 2876
Delta R.T. -0.00 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Tgt Ion: 43 Resp: 570574
Ion Ratio Lower Upper
43 100
58 52.6 26.2 78.5





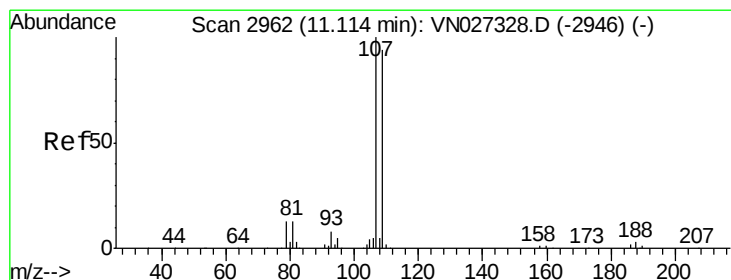
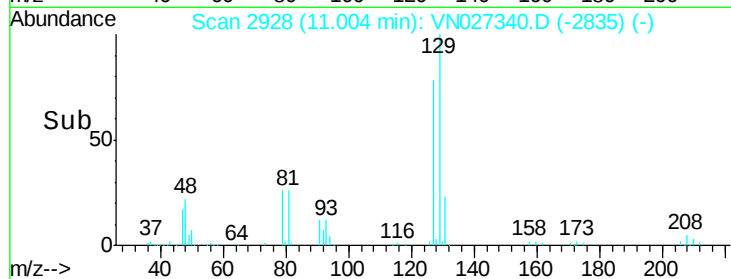
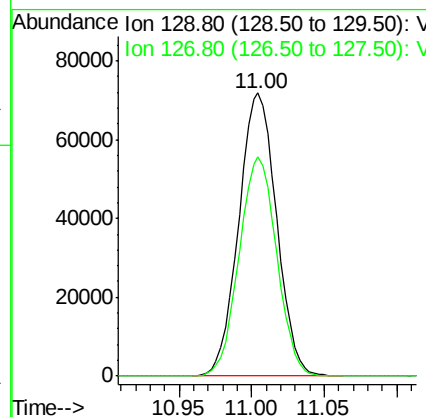
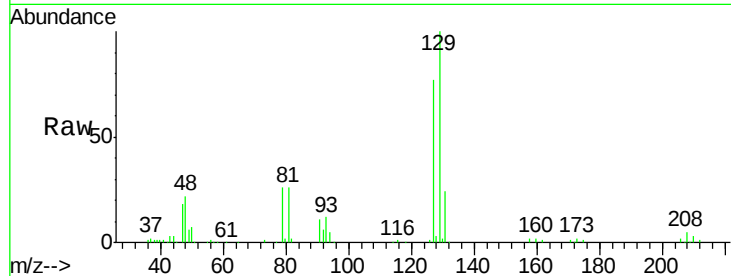
#61
 Dibromochloromethane
 Concen: 19.01 ug/l
 RT: 11.00 min Scan# 2928
 Delta R.T. -0.00 min
 Lab File: VN027340.D
 Acq: 21 Sep 2015 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBS01

Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	76.7	39.1	117.2	

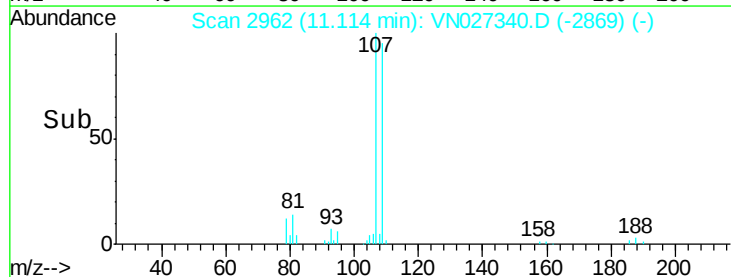
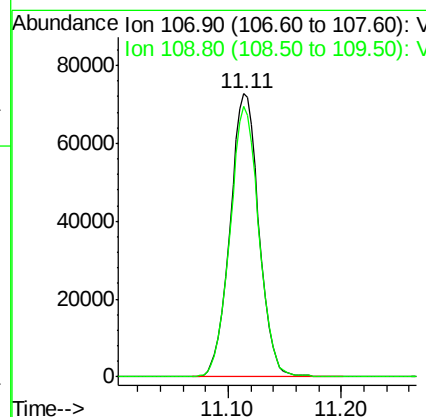
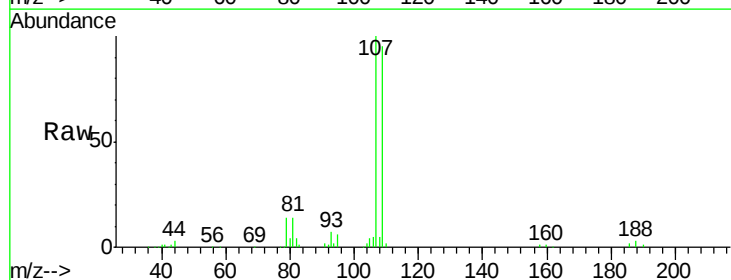
Manual Integrations
 APPROVED

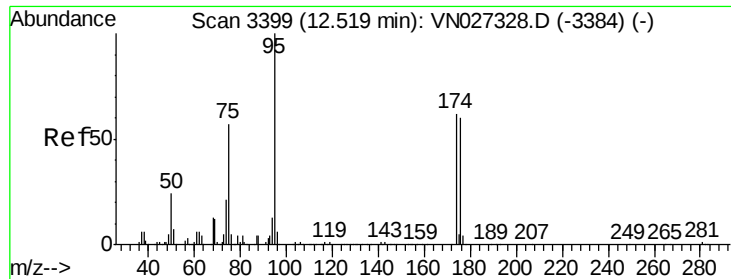
MMDadoda
 9/22/2015 2:28:33 PM



#62
 1,2-Dibromoethane
 Concen: 19.40 ug/l
 RT: 11.11 min Scan# 2962
 Delta R.T. -0.00 min
 Lab File: VN027340.D
 Acq: 21 Sep 2015 19:36

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	95.9	75.6	113.4	





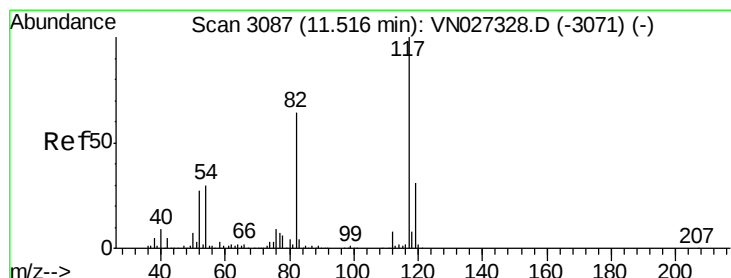
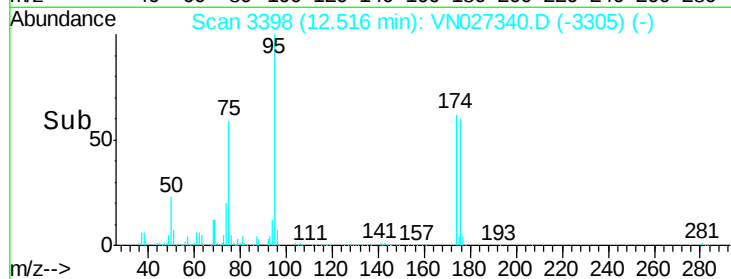
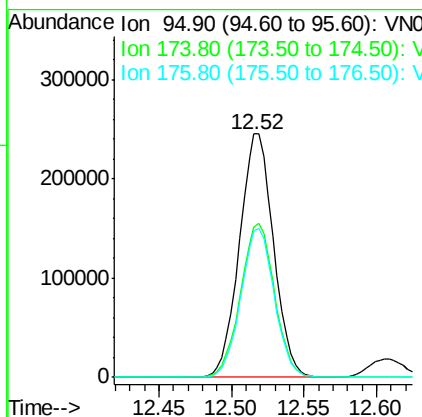
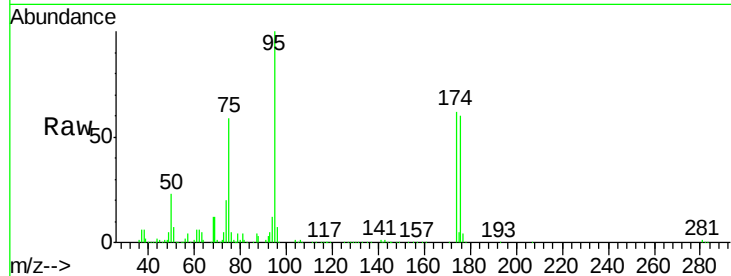
#63
4-Bromofluorobenzene
Concen: 43.31 ug/l
RT: 12.52 min Scan# 3398
Delta R.T. -0.00 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBS01

Tot Ion	Ratio	Resp	Lower	Upper
95	100	401719		
174	62.9	0.0	137.0	
176	60.0	0.0	130.8	

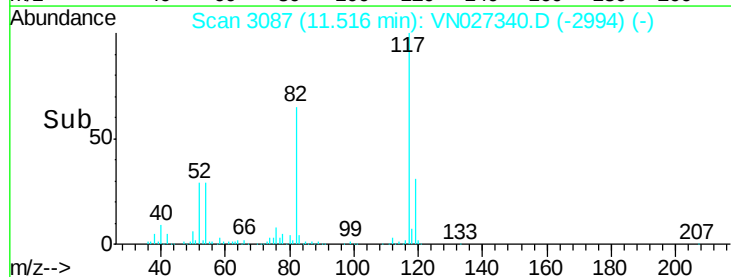
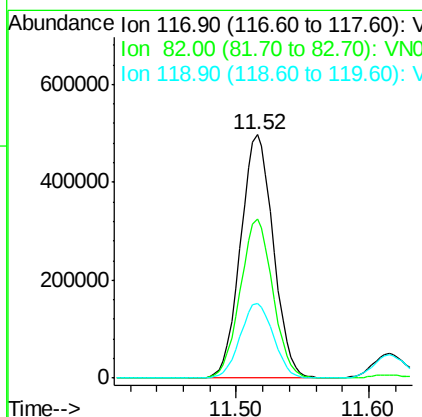
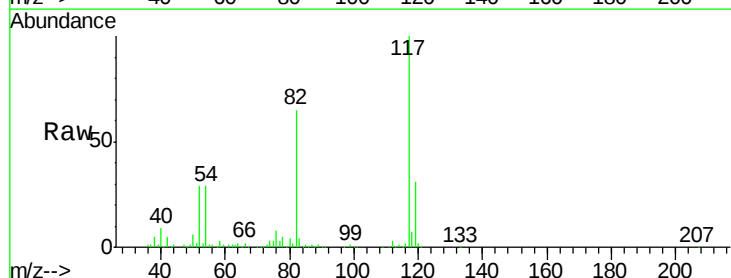
Manual Integrations
APPROVED

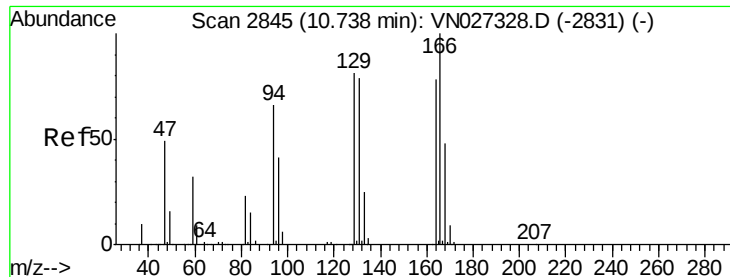
MMDadoda
9/22/2015 2:28:33 PM



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	851496		
82	65.2	49.6	74.4	
119	30.8	24.6	36.8	





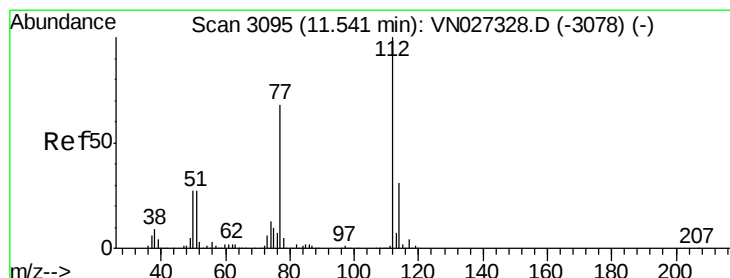
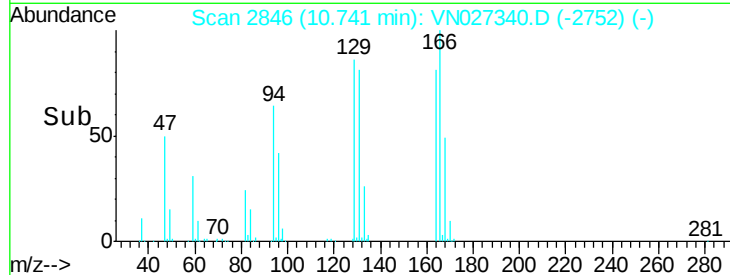
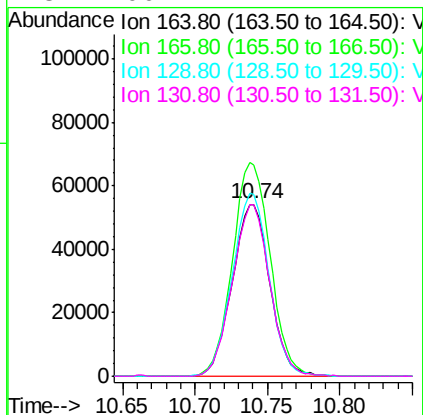
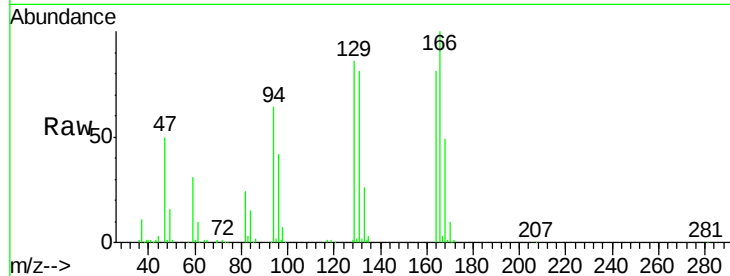
#65
Tetrachloroethene
Concen: 19.21 ug/l
RT: 10.74 min Scan# 2846
Delta R.T. 0.00 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBS01

Tot Ion	Ratio	Lower	Upper
164	100		
166	123.3	103.4	155.0
129	105.6	77.5	116.3
131	100.1	74.2	111.4

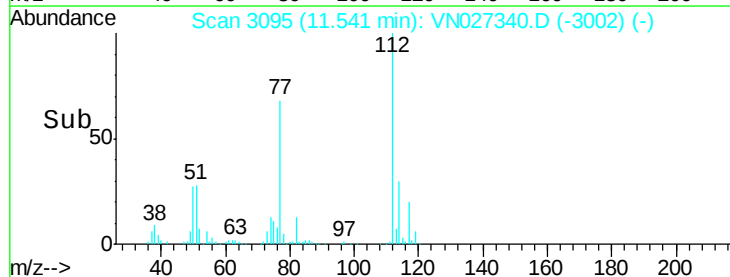
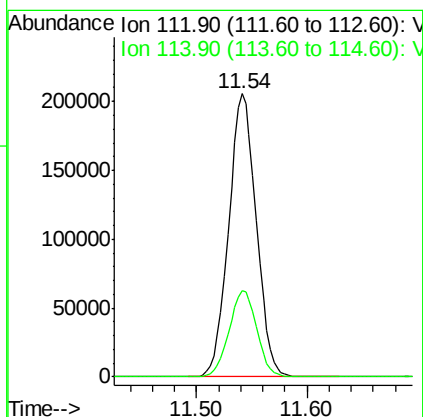
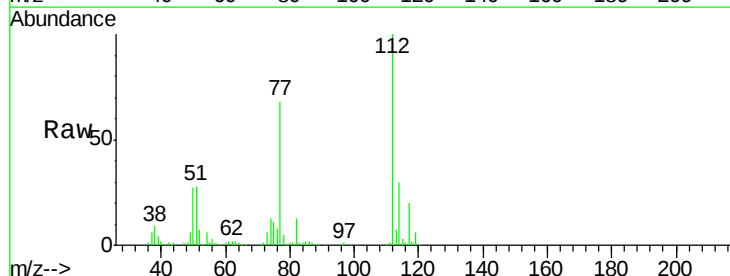
Manual Integrations
APPROVED

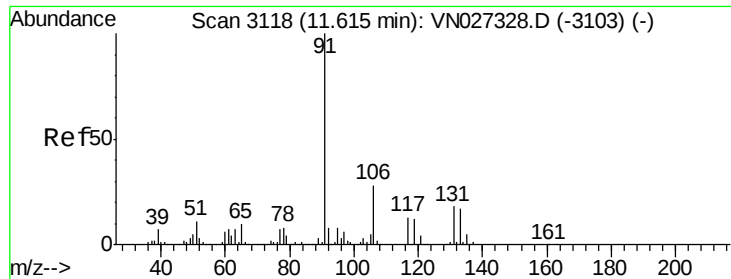
MMDadoda
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#66
Chlorobenzene
Concen: 19.48 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. -0.00 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.3	24.9	37.3





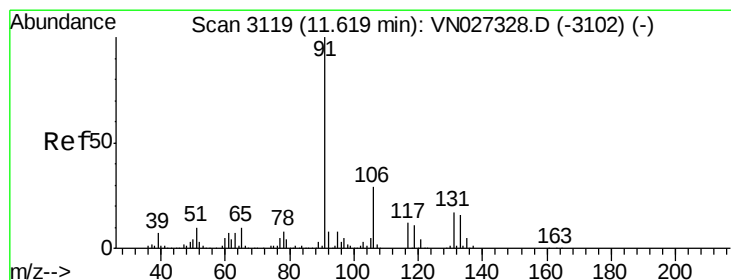
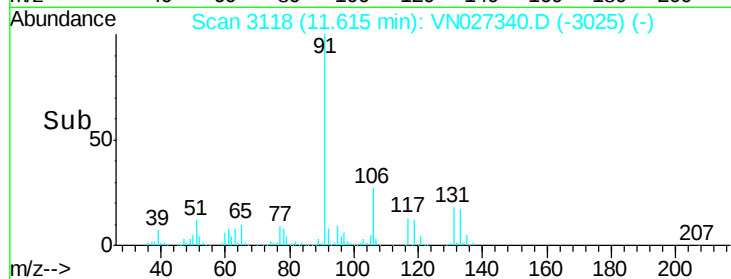
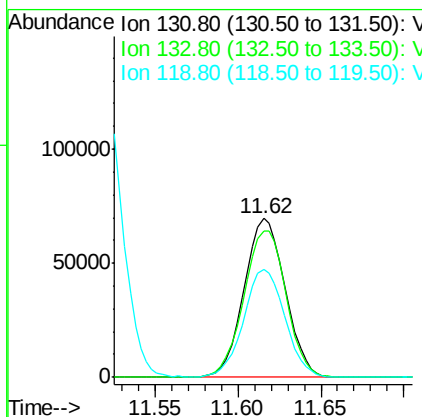
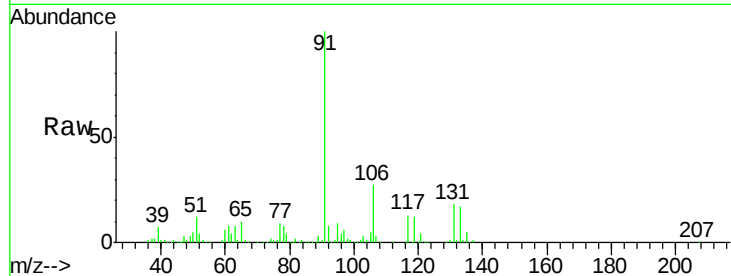
#67
 1,1,1,2-Tetrachloroethane
 Concen: 19.59 ug/l
 RT: 11.62 min Scan# 3118
 Delta R.T. -0.00 min
 Lab File: VN027340.D
 Acq: 21 Sep 2015 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBS01

Tot Ion	Ratio	Resp	Lower	Upper
131	100	120028		
133	95.1	47.0	141.2	
119	68.5	35.1	105.5	

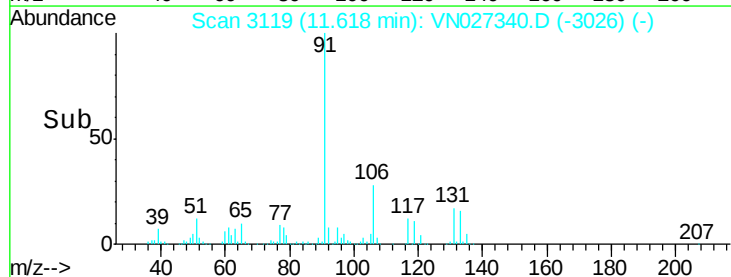
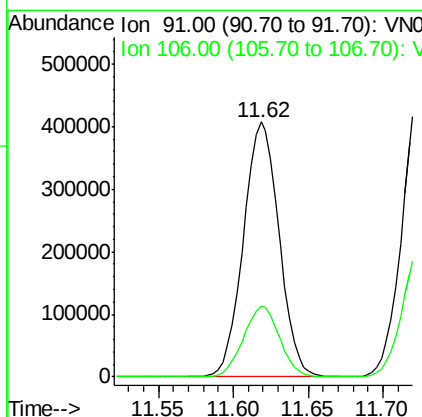
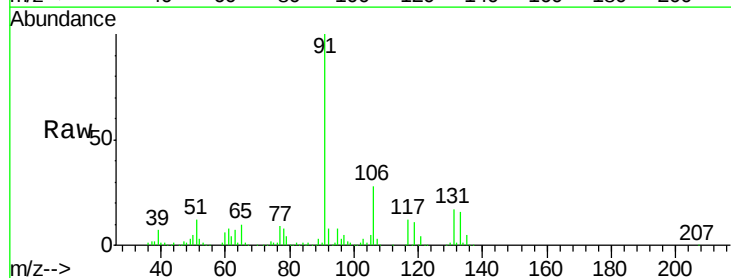
Manual Integrations
 APPROVED

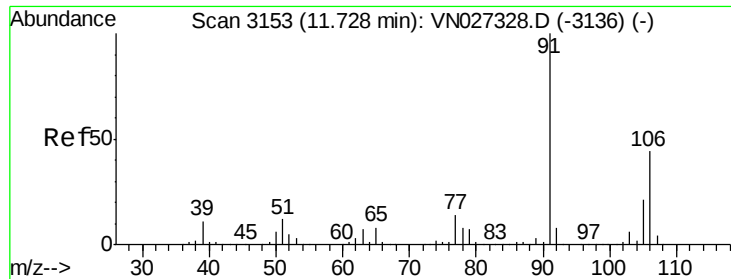
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#68
 Ethyl Benzene
 Concen: 19.62 ug/l
 RT: 11.62 min Scan# 3119
 Delta R.T. -0.00 min
 Lab File: VN027340.D
 Acq: 21 Sep 2015 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	675820		
106	27.8	23.1	34.7	





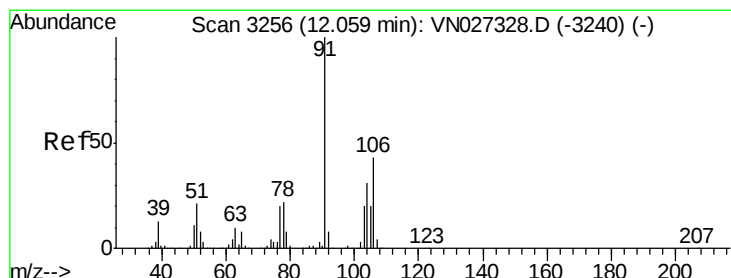
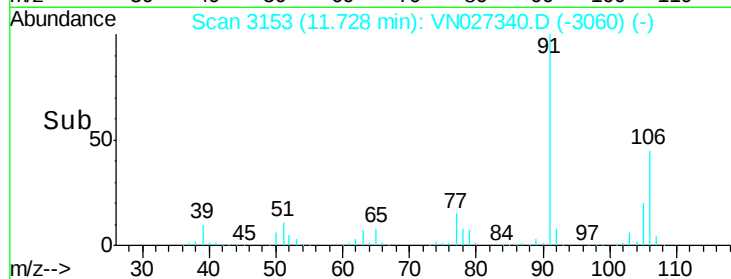
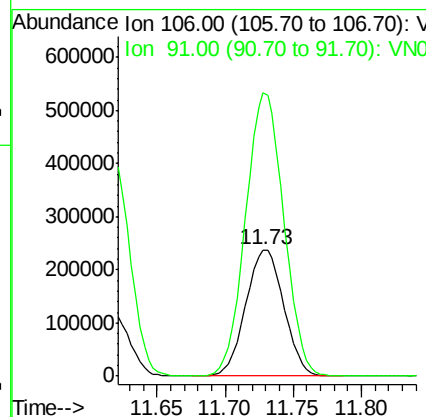
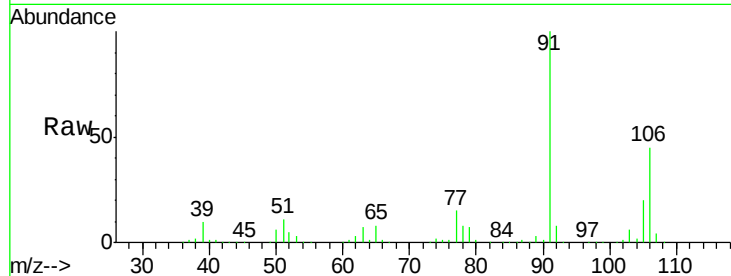
#69
m/p-Xylenes
Concen: 38.71 ug/l
RT: 11.73 min Scan# 3153
Delta R.T. -0.00 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Instrument :
MSVOA_N
ClientSampled :
VN0921WBS01

Tot Ion:106 Resp: 462098
Ion Ratio Lower Upper
106 100
91 224.2 167.1 250.7

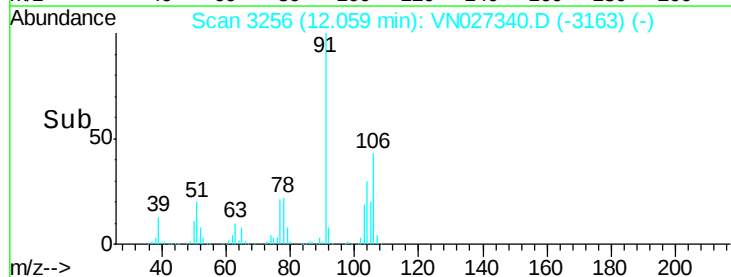
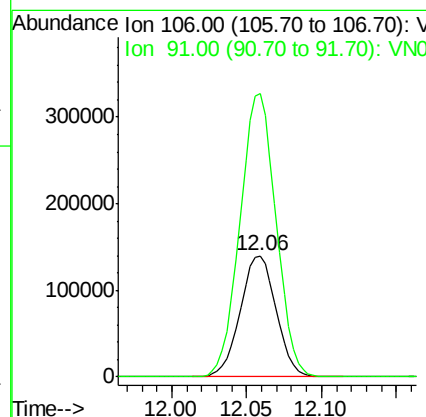
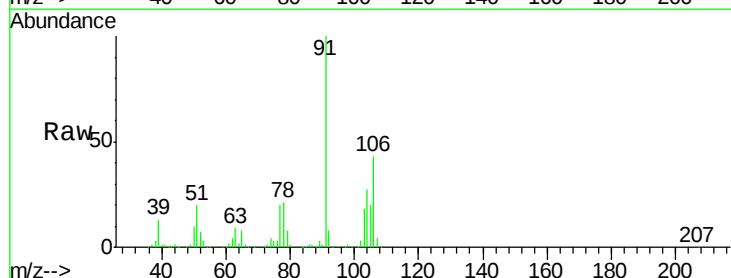
Manual Integrations
APPROVED

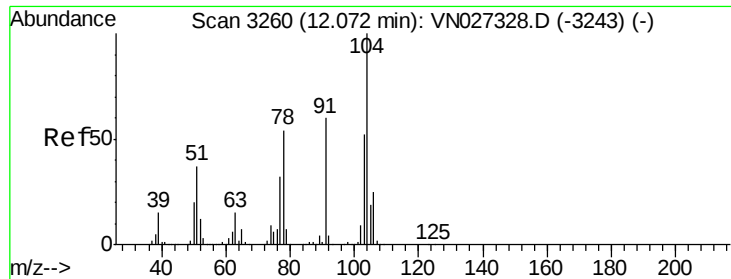
MMDadoda
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#70
o-Xylene
Concen: 19.32 ug/l
RT: 12.06 min Scan# 3256
Delta R.T. -0.00 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Tgt Ion:106 Resp: 233085
Ion Ratio Lower Upper
106 100
91 234.7 110.7 331.9





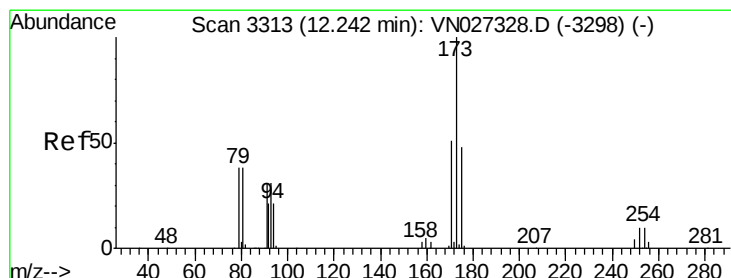
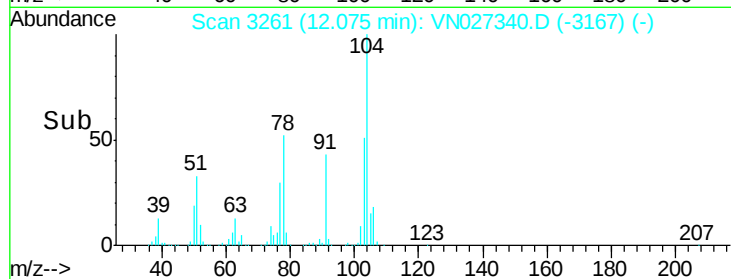
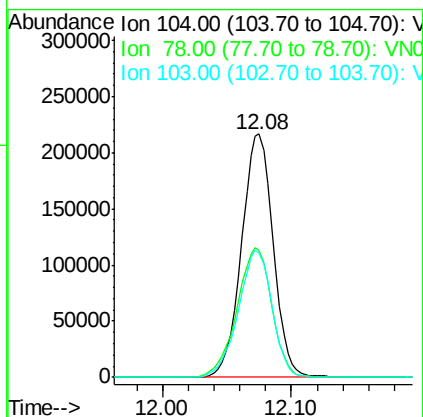
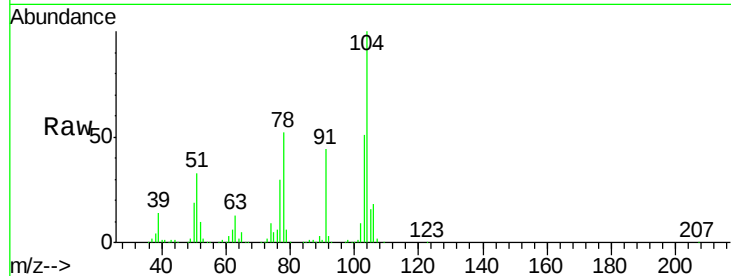
#71
Stvrene
Concen: 19.26 ug/l
RT: 12.08 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBS01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	369906		
78	58.6		41.6	62.4
103	55.7		44.2	66.2

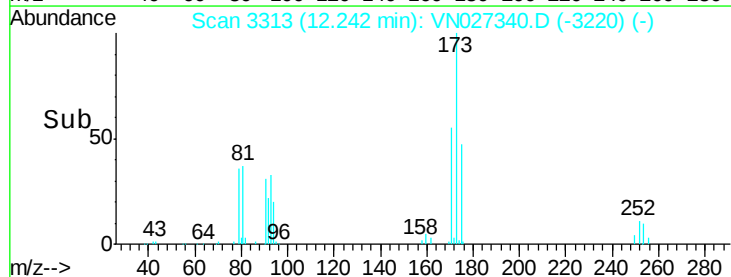
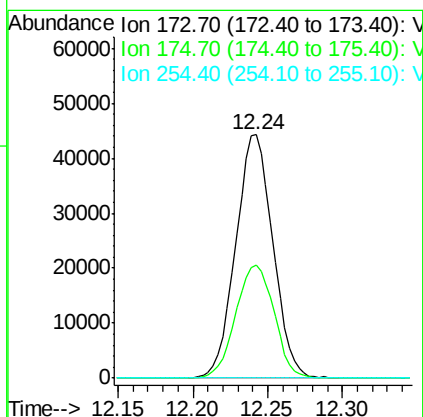
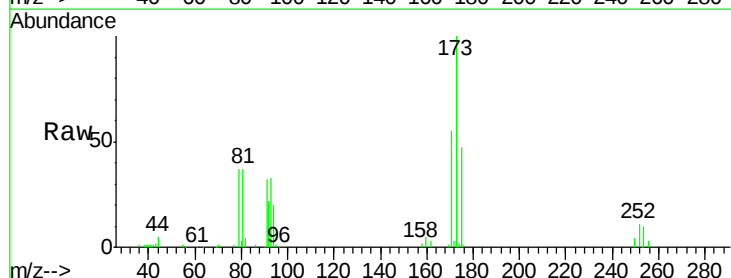
Manual Integrations
APPROVED

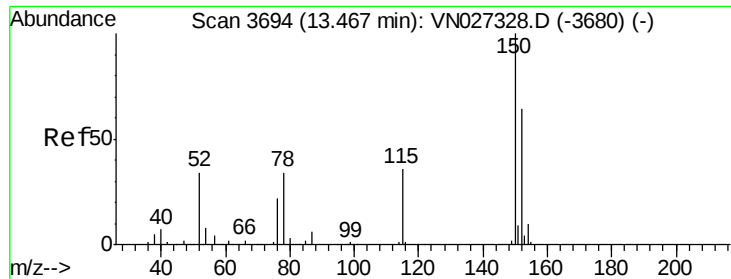
MMDadoda
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#72
Bromoform
Concen: 18.63 ug/l
RT: 12.24 min Scan# 3313
Delta R.T. -0.00 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	76589		
175	48.0		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# 3694

Delta R.T. -0.00 min

Lab File: VN027340.D

Acq: 21 Sep 2015 19:36

Instrument :

MSVOA_N

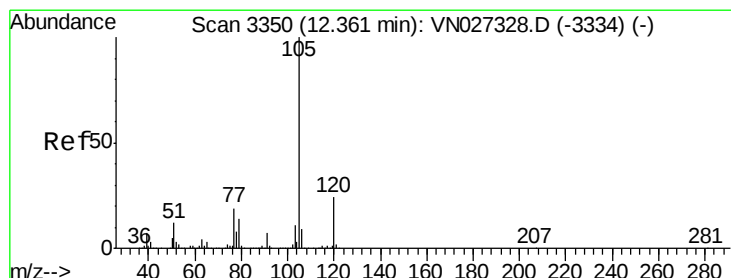
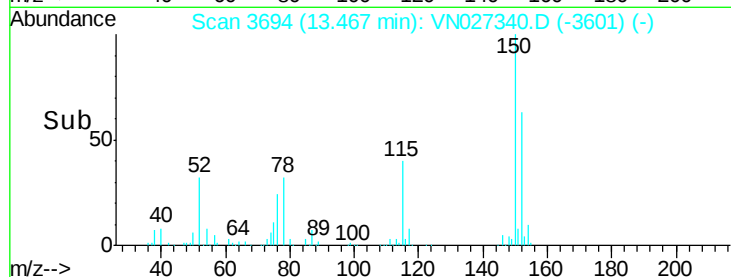
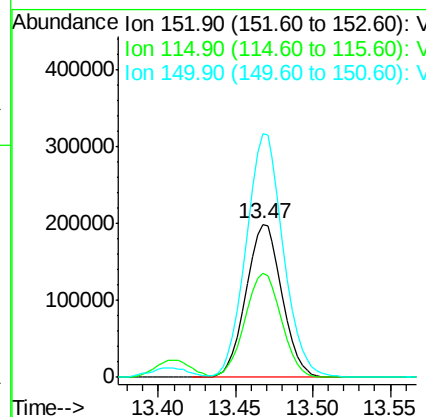
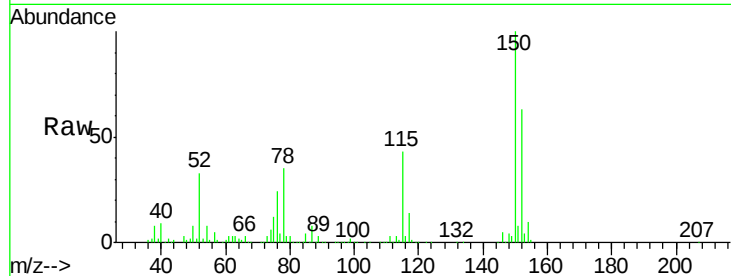
ClientSampleId :

VN0921WBS01

Tot Ion:	152	Resp:	321505
Ion Ratio	Lower	Upper	
152	100		
115	69.0	30.8	92.3
150	164.9	0.0	345.0

Manual Integrations
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#74

Isopropylbenzene

Concen: 19.67 ug/l

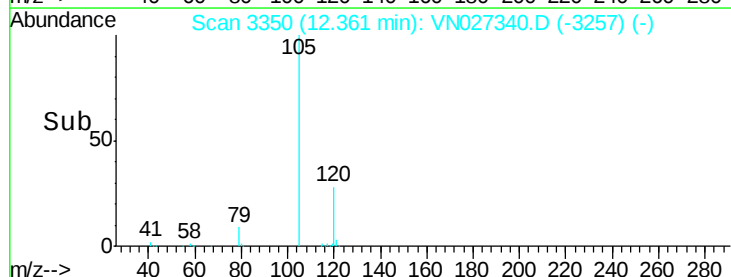
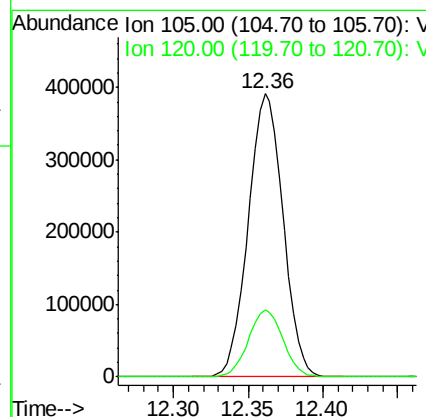
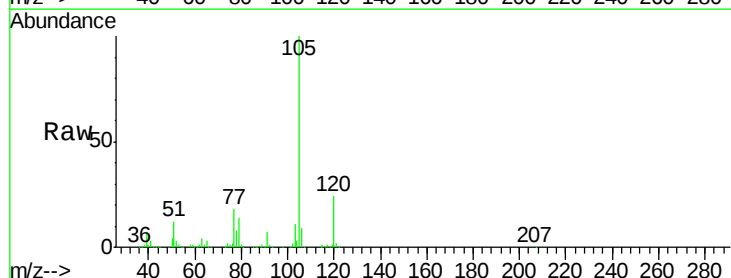
RT: 12.36 min Scan# 3350

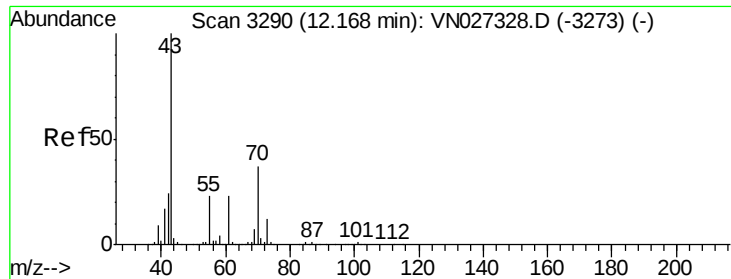
Delta R.T. -0.00 min

Lab File: VN027340.D

Acq: 21 Sep 2015 19:36

Tgt Ion:	105	Resp:	633471
Ion Ratio	Lower	Upper	
105	100		
120	23.4	12.4	37.2





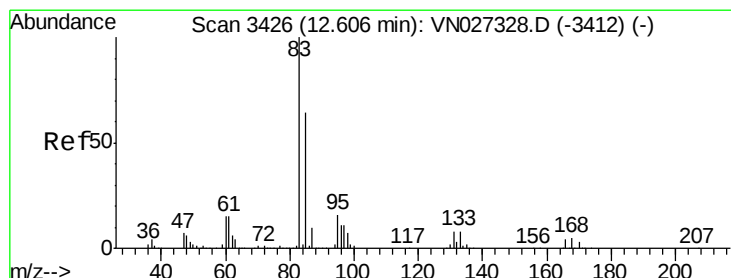
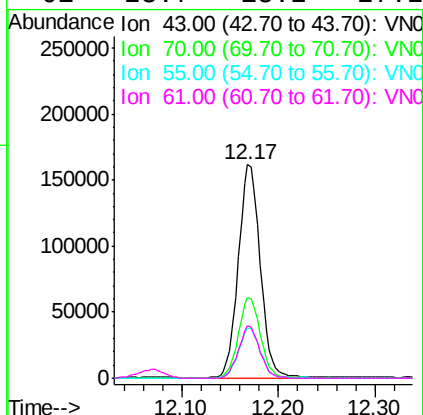
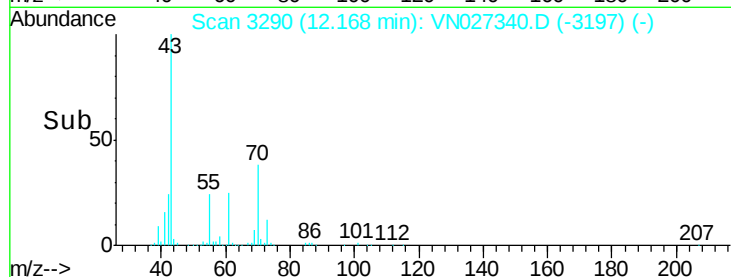
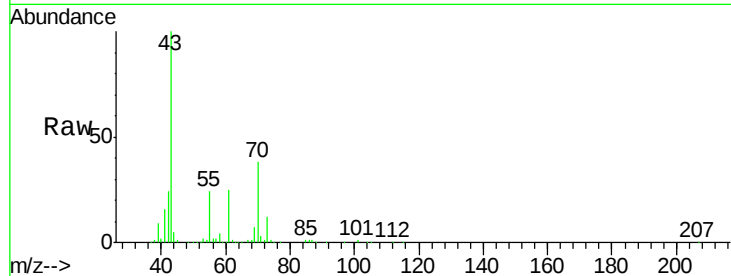
#75
N-amyl acetate
Concen: 20.05 ug/l
RT: 12.17 min Scan# 3290
Delta R.T. -0.00 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBS01

Tot Ion	43	Resp	256189
Ion Ratio	Lower	Upper	
43	100		
70	37.8	29.8	44.8
55	23.5	19.4	29.0
61	23.7	18.2	27.2

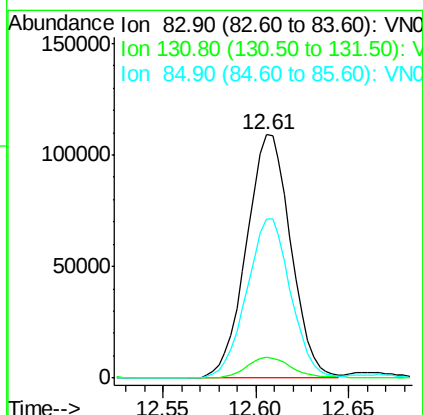
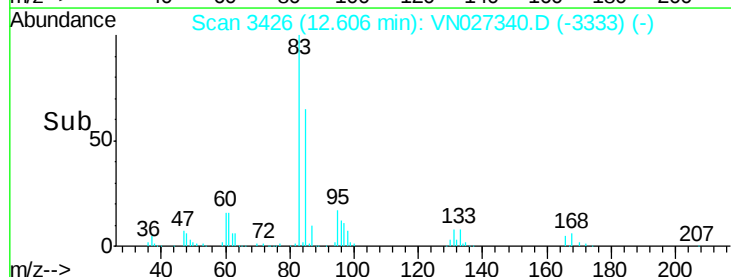
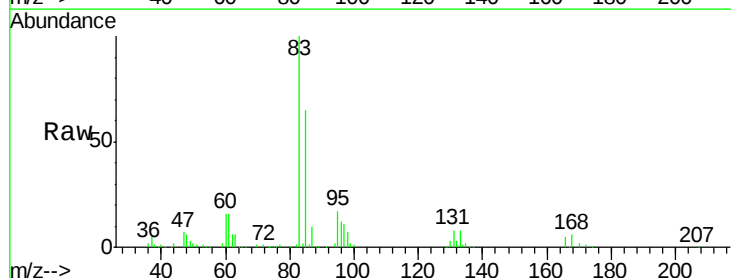
Manual Integrations
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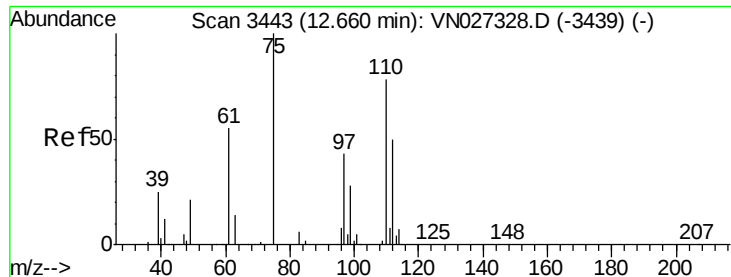
MMDadoda
9/22/2015 2:28:33 PM



#76
1,1,2,2-Tetrachloroethane
Concen: 20.11 ug/l
RT: 12.61 min Scan# 3426
Delta R.T. -0.00 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Tgt Ion	83	Resp	182287
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.1	12.3
85	64.8	31.9	95.7





#77

1,2,3-Trichloropropane

Concen: 19.95 ug/l m

RT: 12.66 min Scan# 3444

Delta R.T. 0.00 min

Lab File: VN027340.D

Acq: 21 Sep 2015 19:36

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBS01

Tot Ion: 75 Resp: 161041

Ion Ratio Lower Upper

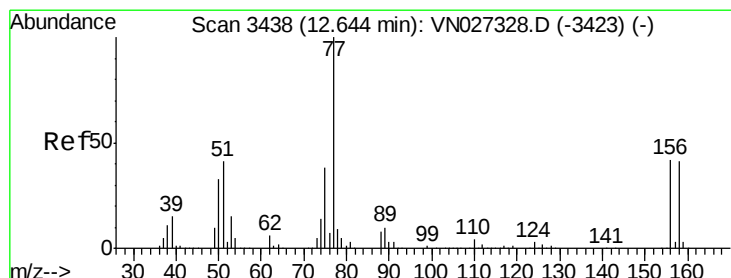
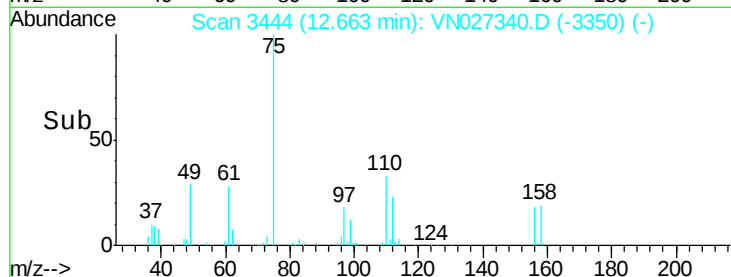
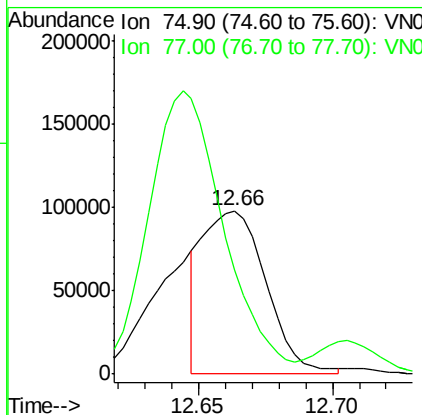
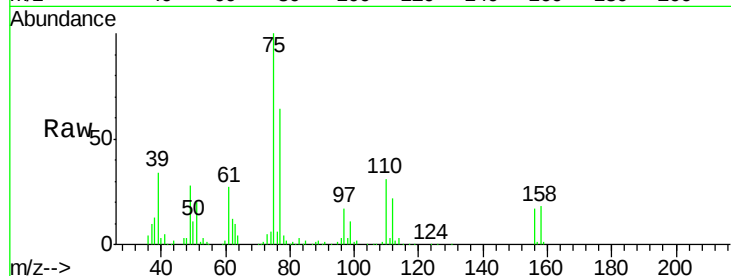
75 100

77 206.7 103.1 309.3

Manual Integrations
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#78

Bromobenzene

Concen: 19.10 ug/l

RT: 12.64 min Scan# 3438

Delta R.T. -0.00 min

Lab File: VN027340.D

Acq: 21 Sep 2015 19:36

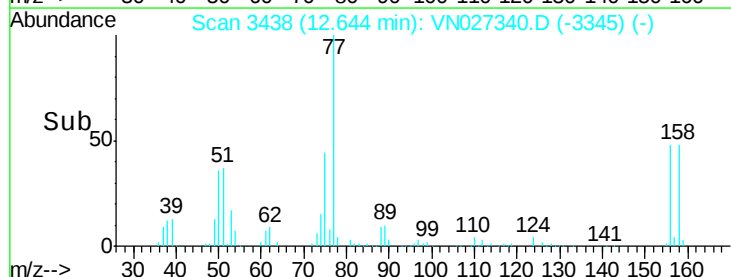
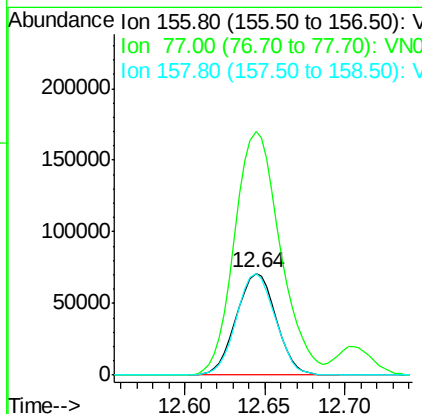
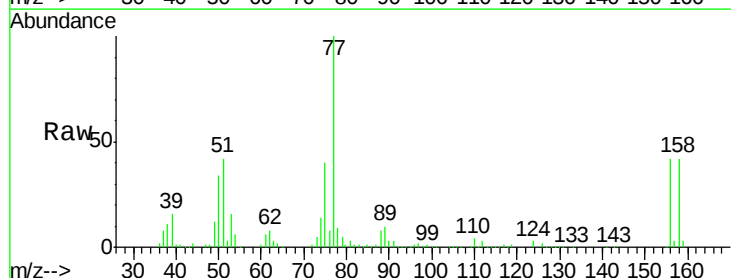
Tgt Ion: 156 Resp: 120404

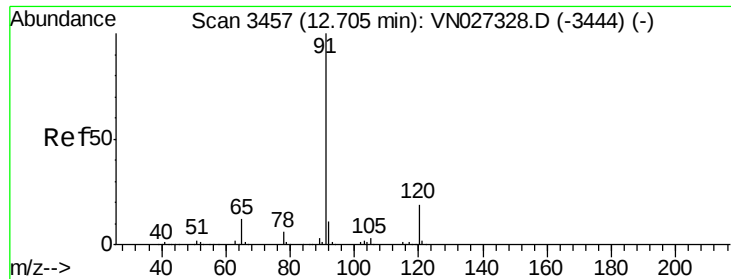
Ion Ratio Lower Upper

156 100

77 276.5 127.3 381.9

158 97.7 48.0 144.2





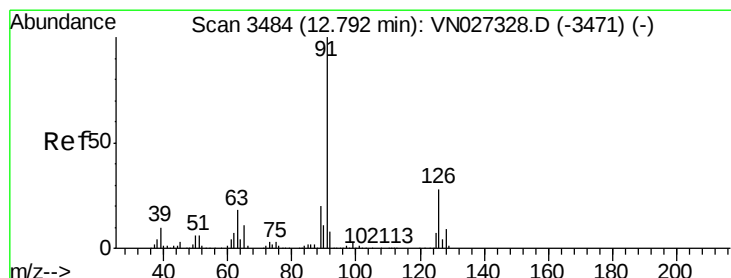
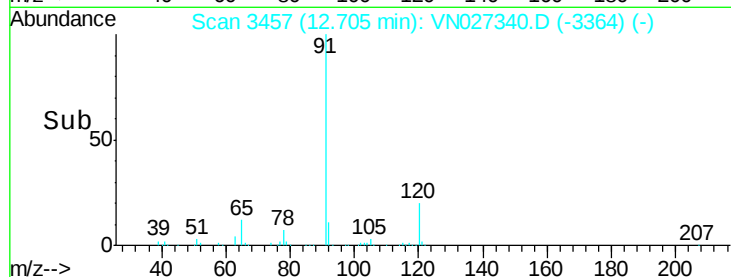
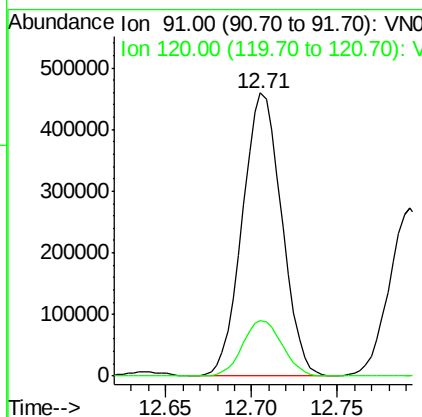
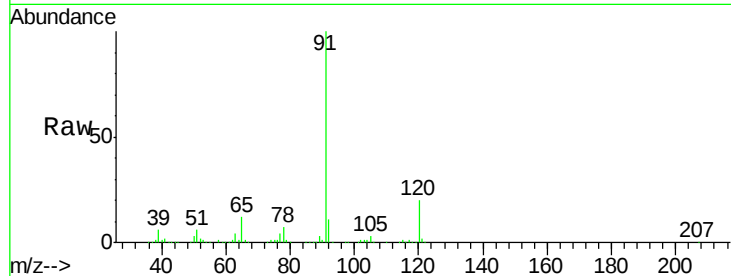
#79
n-propylbenzene
Concen: 18.99 ug/l
RT: 12.71 min Scan# 3457
Delta R.T. -0.00 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Instrument :
MSVOA_N
ClientSampled :
VN0921WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
120	20.0	10.3	30.8

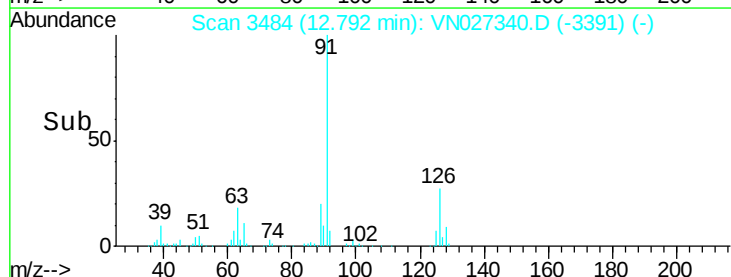
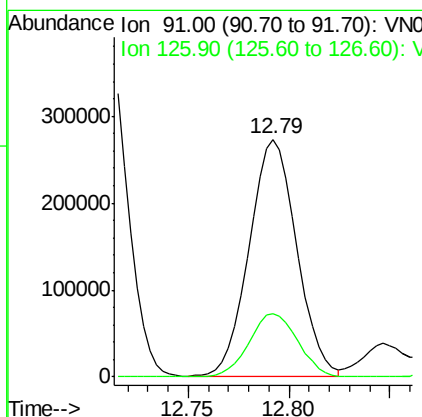
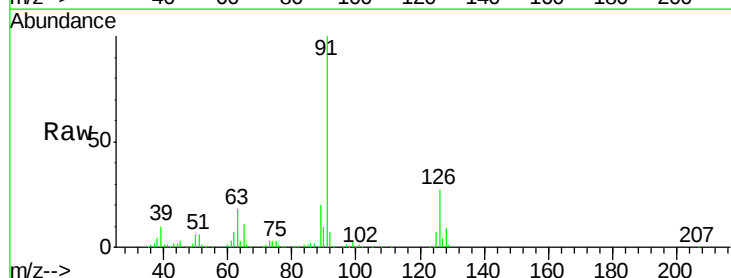
Manual Integrations
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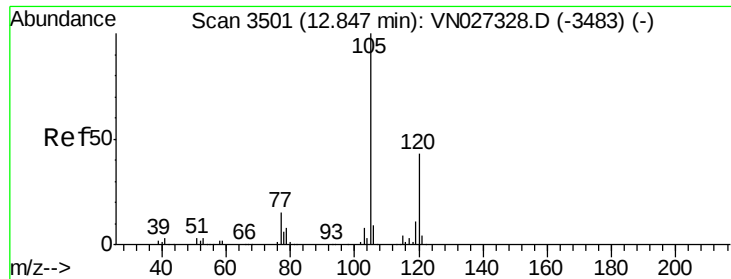
MMDadoda
9/22/2015 2:28:33 PM



#80
2-Chlorotoluene
Concen: 19.11 ug/l
RT: 12.79 min Scan# 3484
Delta R.T. -0.00 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.4	15.2	45.5





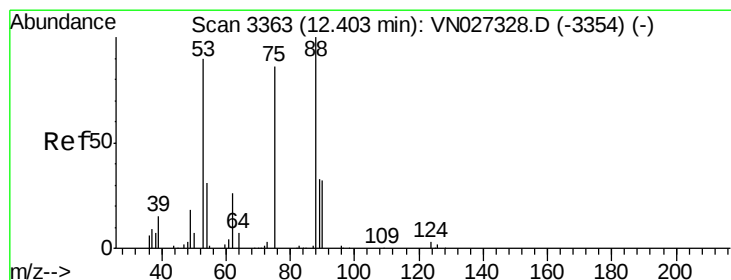
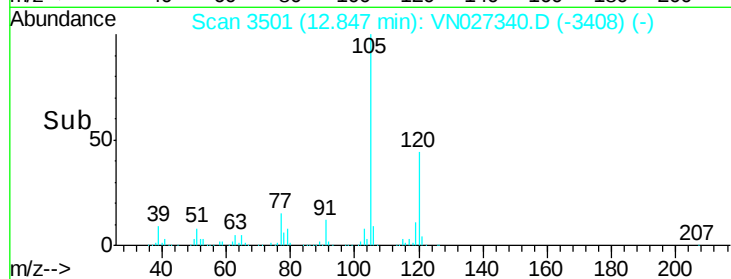
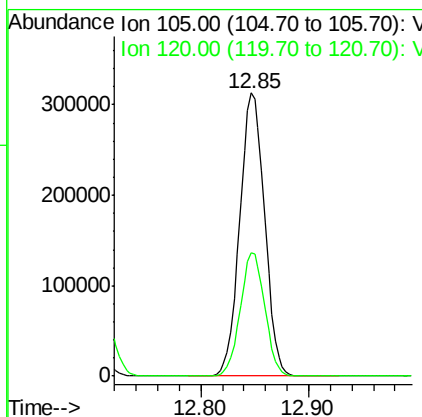
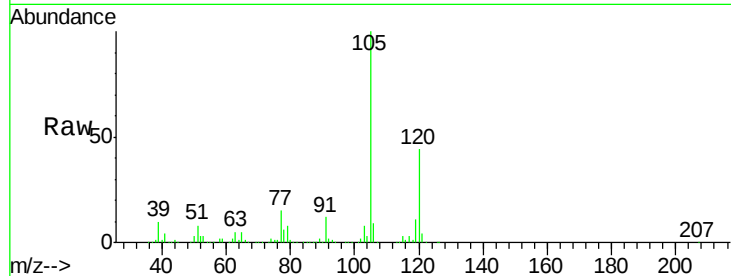
#81
 1,3,5-Trimethylbenzene
 Concen: 19.34 ug/l
 RT: 12.85 min Scan# 3501
 Delta R.T. -0.00 min
 Lab File: VN027340.D
 Acq: 21 Sep 2015 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	42.9	23.4	70.0

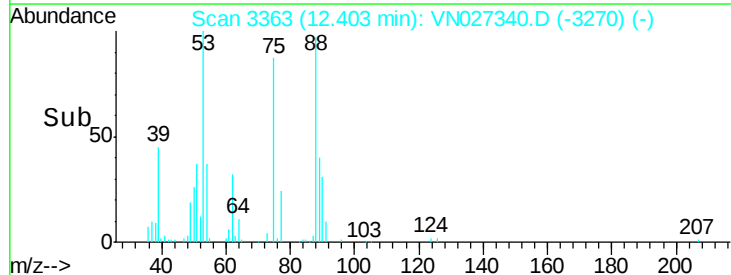
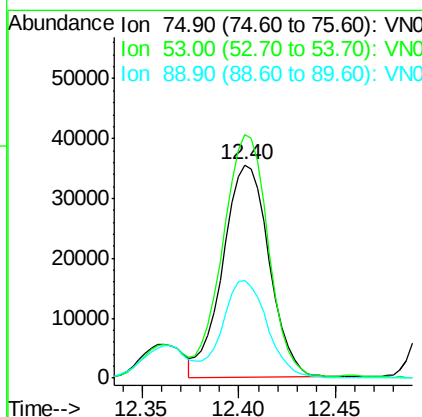
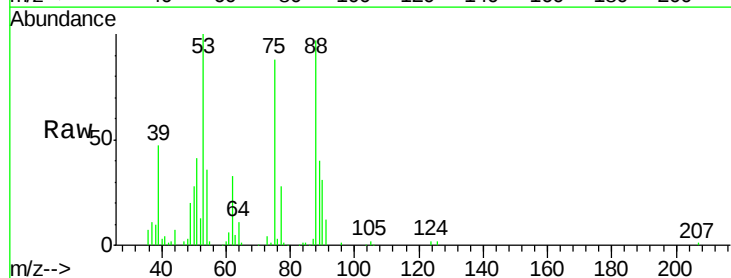
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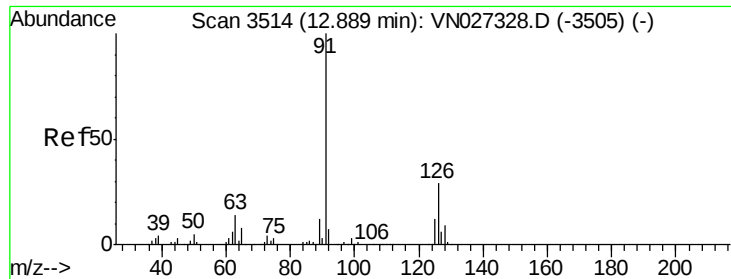
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#82
 trans-1,4-Dichloro-2-butene
 Concen: 18.73 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN027340.D
 Acq: 21 Sep 2015 19:36

Tgt Ion	Ratio	Lower	Upper
75	100		
53	112.2	92.9	139.3
89	45.0	34.2	51.4





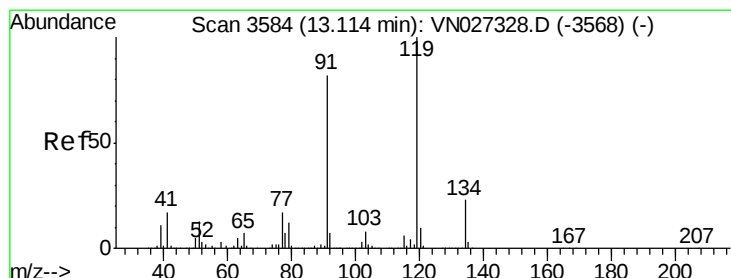
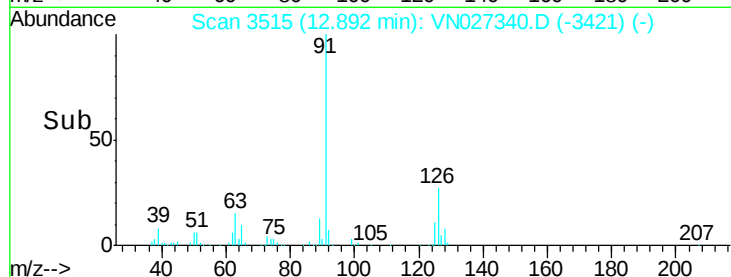
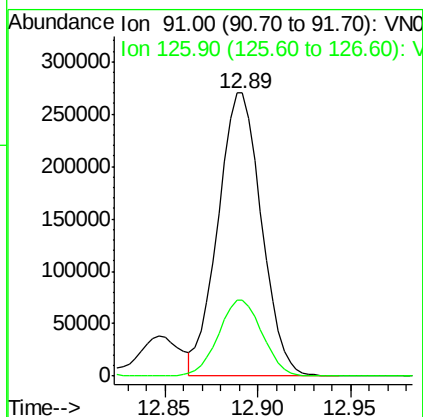
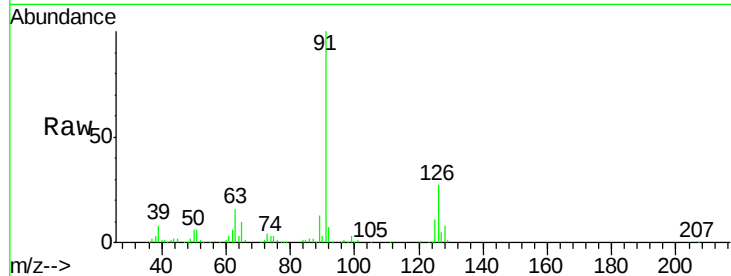
#83
4-Chlorotoluene
Concen: 19.05 ug/l
RT: 12.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBS01

Tot Ion: 91 Resp: 436667
Ion Ratio Lower Upper
91 100
126 27.1 14.9 44.5

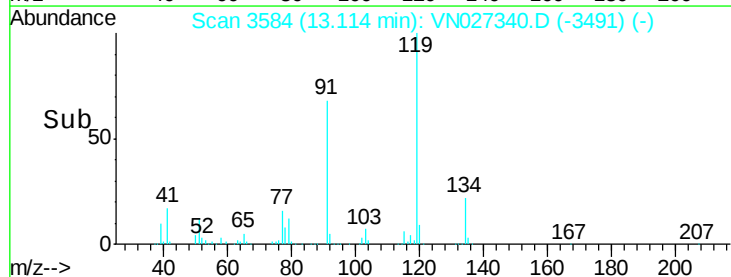
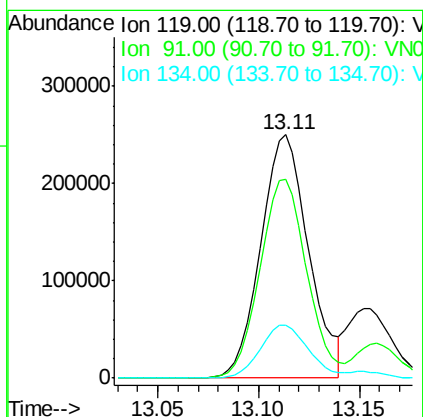
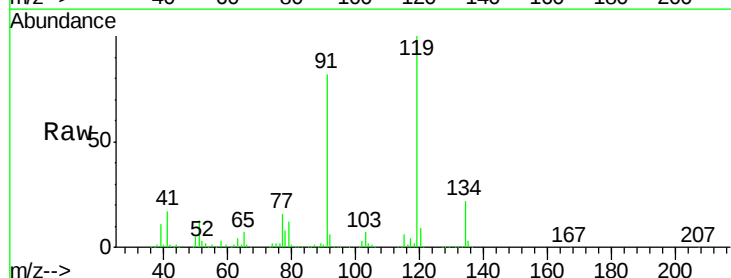
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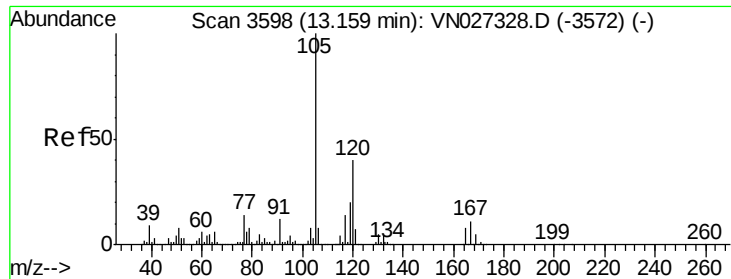
MMDadoda
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#84
tert-Butylbenzene
Concen: 19.70 ug/l
RT: 13.11 min Scan# 3584
Delta R.T. -0.00 min
Lab File: VN027340.D
Acq: 21 Sep 2015 19:36

Tgt Ion: 119 Resp: 413578
Ion Ratio Lower Upper
119 100
91 80.3 34.6 103.8
134 22.0 11.4 34.2





#85

1,2,4-Trimethylbenzene

Concen: 19.46 ug/l

RT: 13.16 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN027340.D

Acq: 21 Sep 2015 19:36

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBS01

Tot Ion:105 Resp: 503875

Ion Ratio Lower Upper

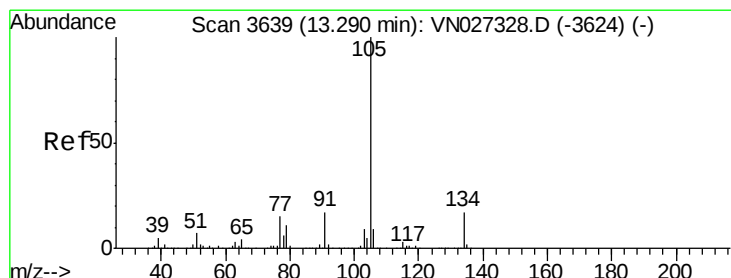
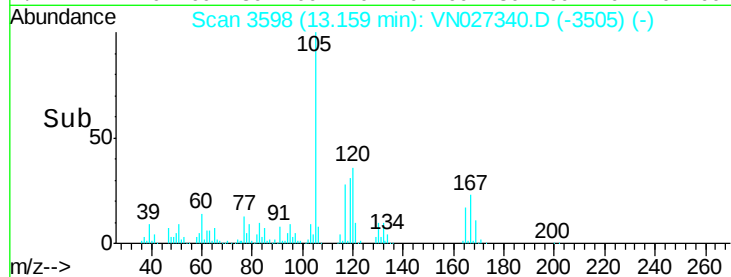
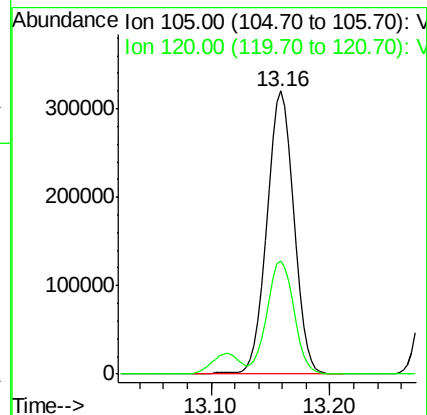
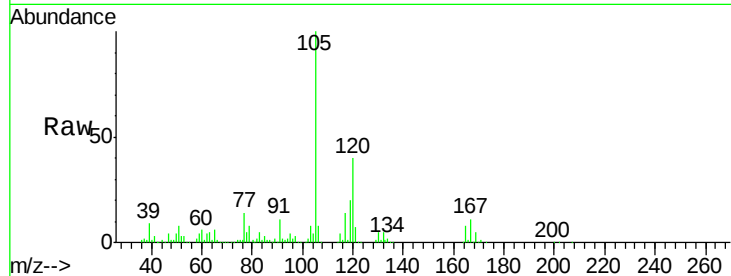
105 100

120 40.2 21.9 65.5

Manual Integrations
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#86

sec-Butylbenzene

Concen: 19.46 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN027340.D

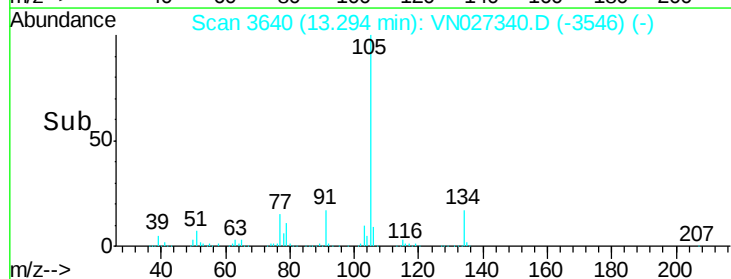
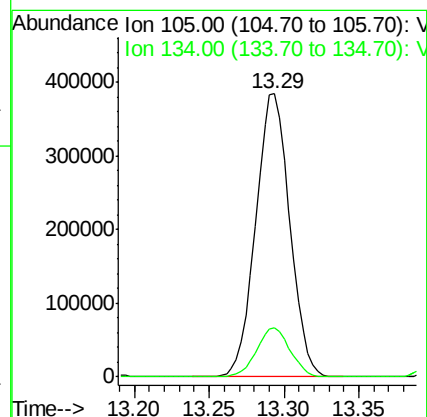
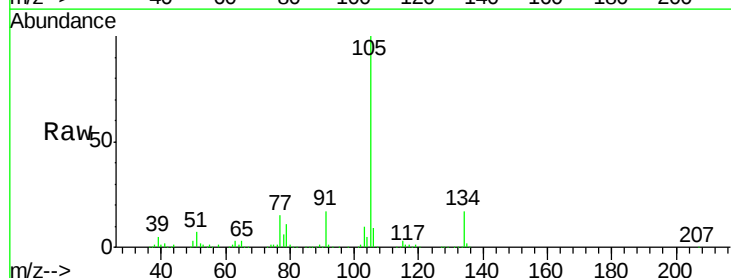
Acq: 21 Sep 2015 19:36

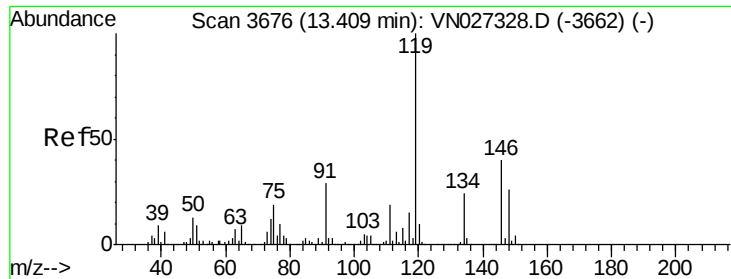
Tgt Ion:105 Resp: 608468

Ion Ratio Lower Upper

105 100

134 17.2 8.8 26.4





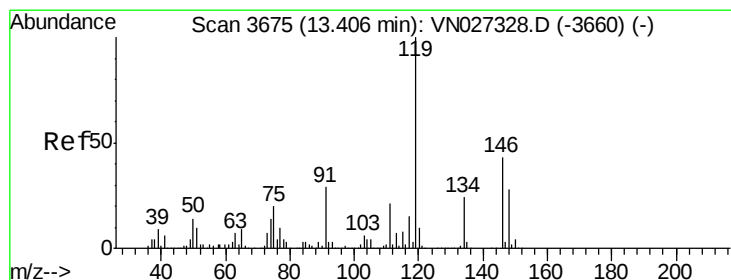
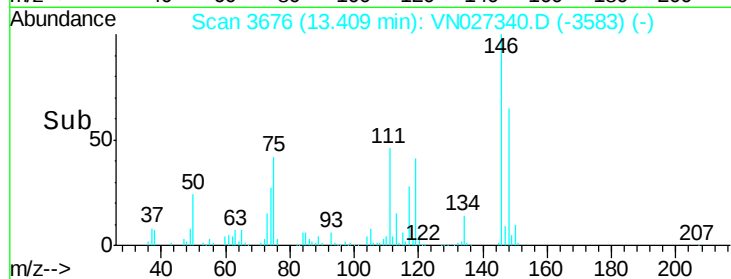
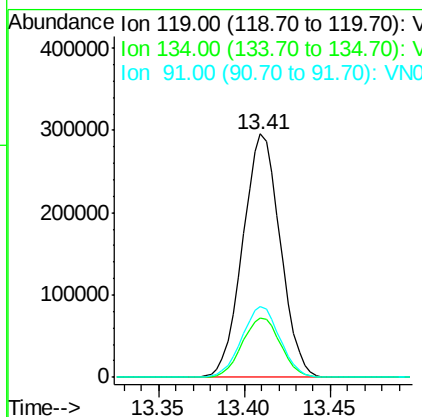
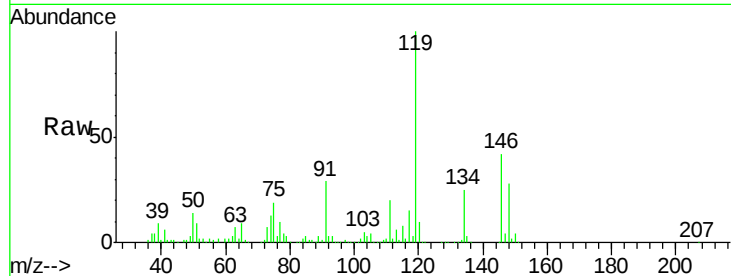
#87
 p-Isopropyltoluene
 Concen: 19.07 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. -0.00 min
 Lab File: VN027340.D
 Acq: 21 Sep 2015 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.4	37.0
91	29.7	12.0	36.1

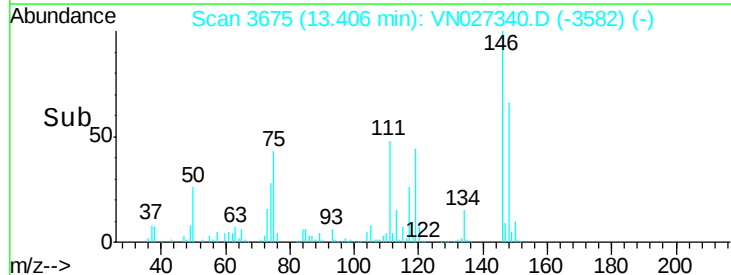
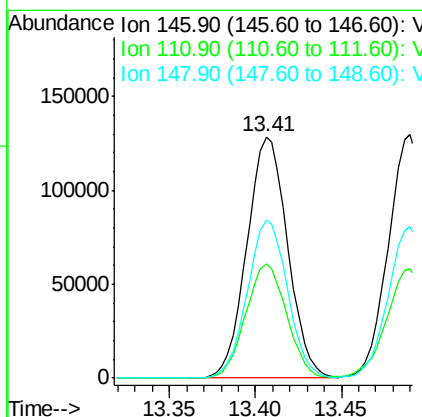
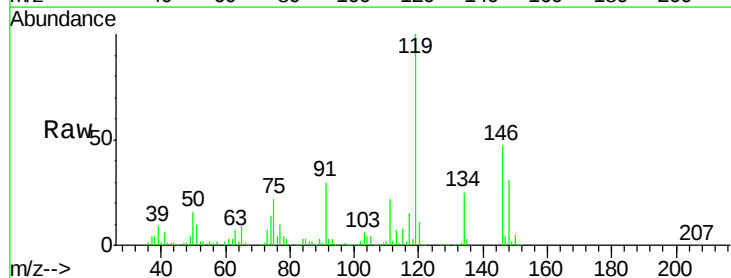
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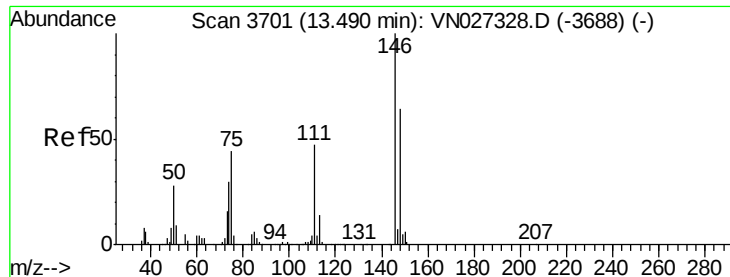
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#88
 1,3-Dichlorobenzene
 Concen: 19.36 ug/l
 RT: 13.41 min Scan# 3675
 Delta R.T. -0.00 min
 Lab File: VN027340.D
 Acq: 21 Sep 2015 19:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.5	21.0	63.0
148	64.6	31.9	95.9





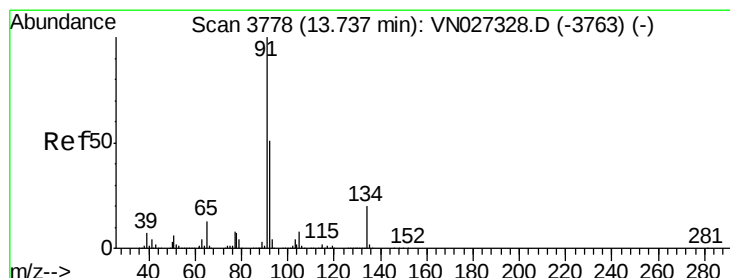
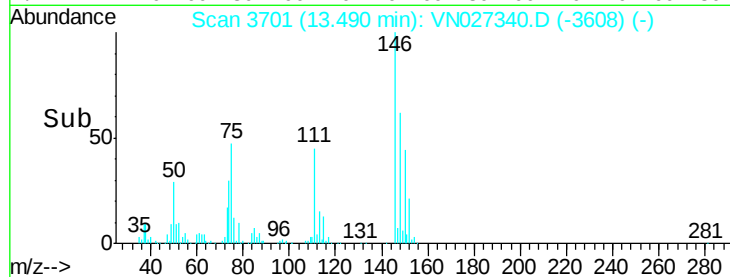
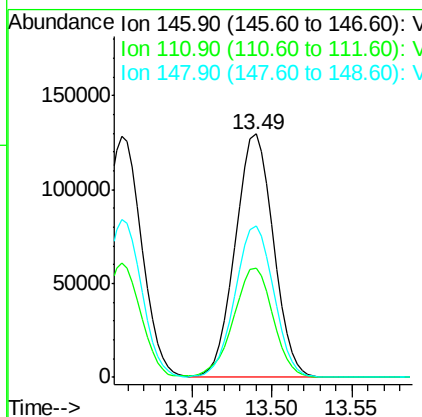
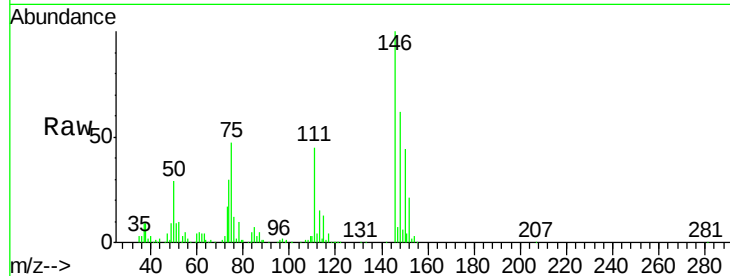
#89
 1,4-Dichlorobenzene
 Concen: 19.04 ug/l
 RT: 13.49 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VN027340.D
 Acq: 21 Sep 2015 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	209573		
111	46.6		19.9	59.6
148	63.2		31.7	95.1

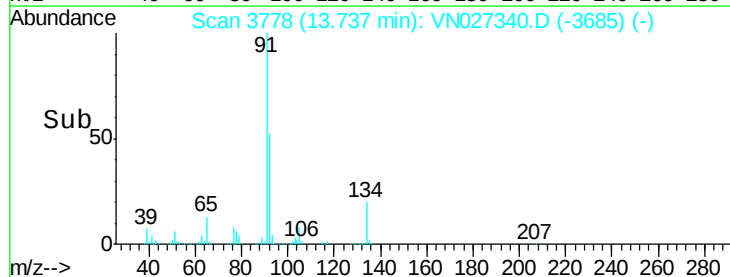
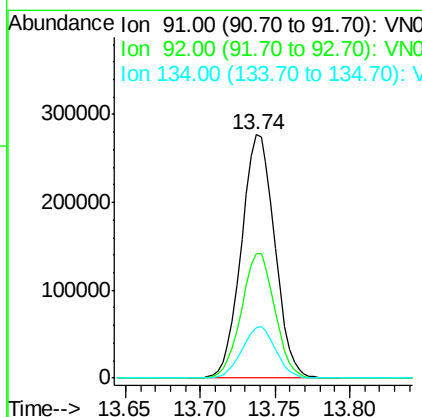
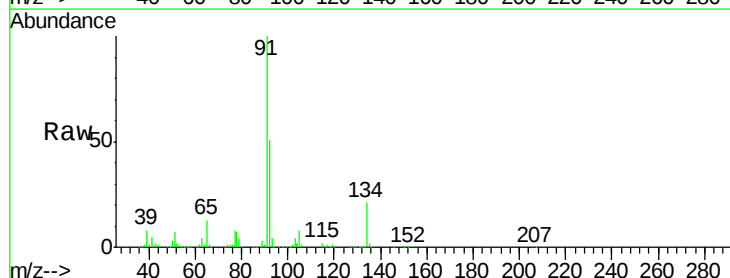
Manual Integrations
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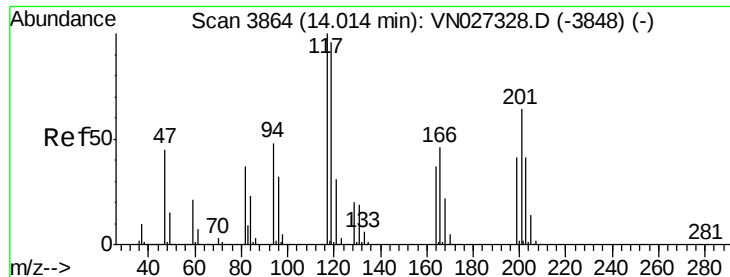
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 9/22/2015 2:28:33 PM



#90
 n-Butylbenzene
 Concen: 18.40 ug/l
 RT: 13.74 min Scan# 3778
 Delta R.T. -0.00 min
 Lab File: VN027340.D
 Acq: 21 Sep 2015 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	430760		
92	51.3		26.1	78.2
134	21.2		11.1	33.1





#91

Hexachloroethane

Concen: 18.16 ug/l

RT: 14.01 min Scan# 3864

Delta R.T. -0.00 min

Lab File: VN027340.D

Acq: 21 Sep 2015 19:36

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBS01

Tot Ion:117 Resp: 91034

Ion Ratio Lower Upper

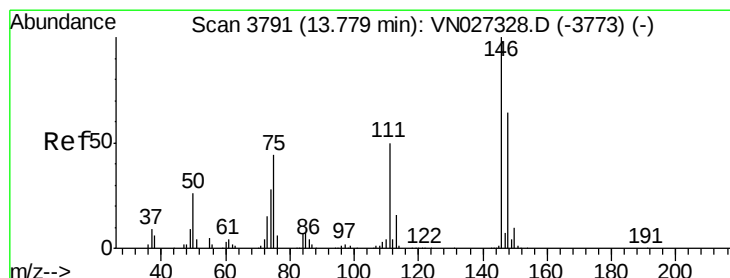
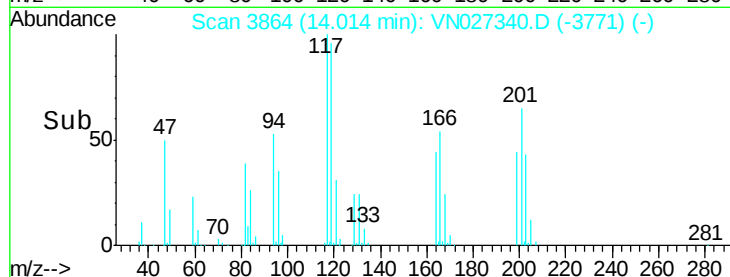
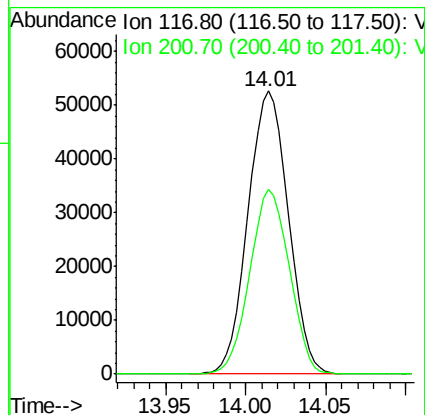
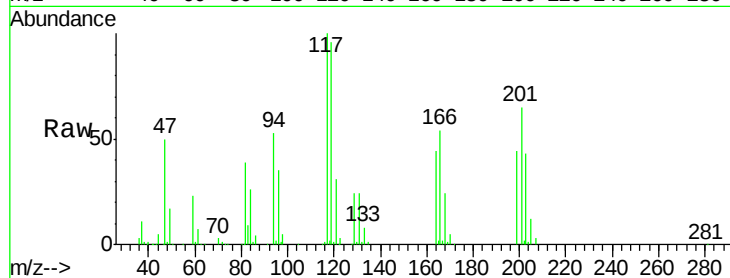
117 100

201 64.0 34.9 104.7

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#92

1,2-Dichlorobenzene

Concen: 19.92 ug/l

RT: 13.78 min Scan# 3791

Delta R.T. -0.00 min

Lab File: VN027340.D

Acq: 21 Sep 2015 19:36

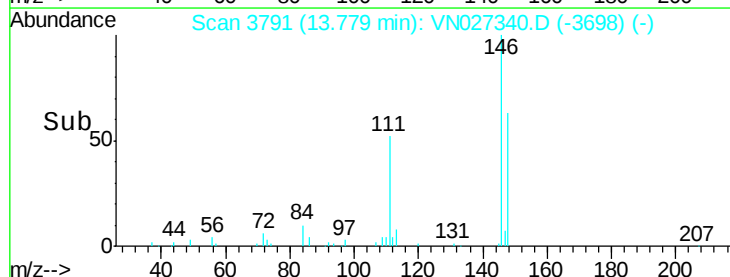
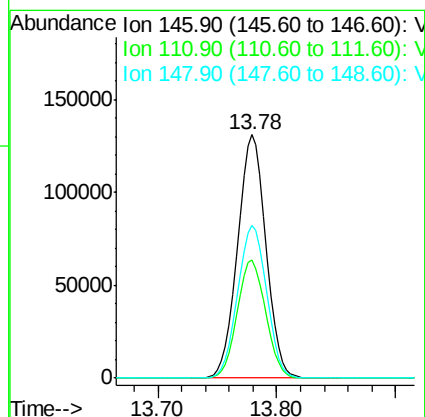
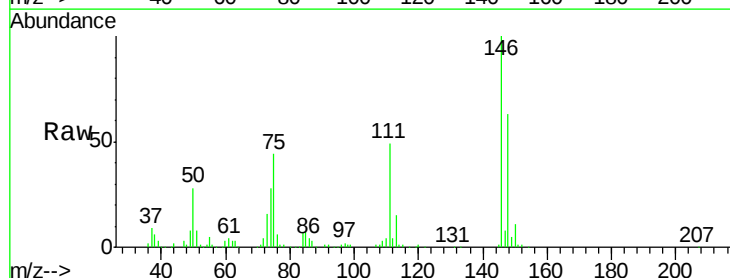
Tgt Ion:146 Resp: 216417

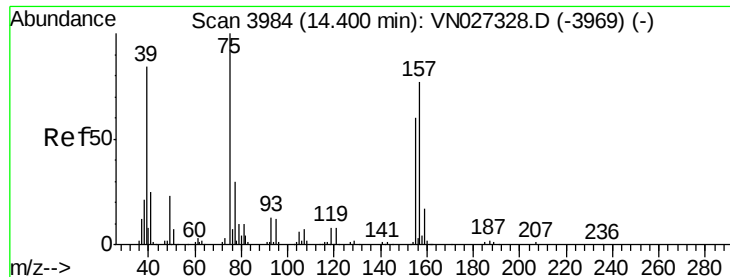
Ion Ratio Lower Upper

146 100

111 48.8 22.1 66.3

148 64.0 32.0 96.0





#93

1,2-Dibromo-3-Chloropropane

Concen: 20.08 ug/l

RT: 14.40 min Scan# 3984

Delta R.T. -0.00 min

Lab File: VN027340.D

Acq: 21 Sep 2015 19:36

Instrument :

MSVOA_N

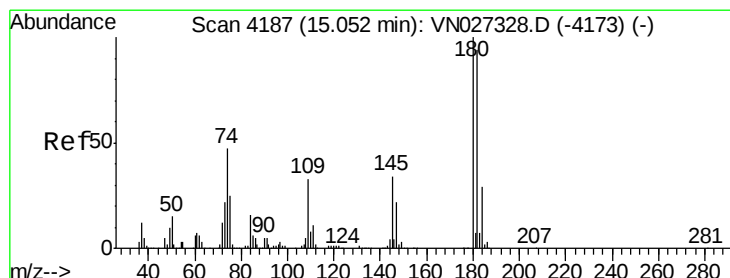
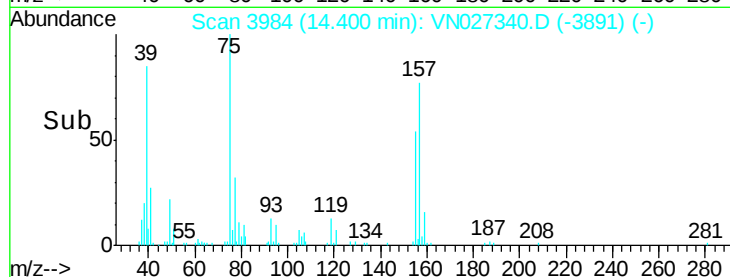
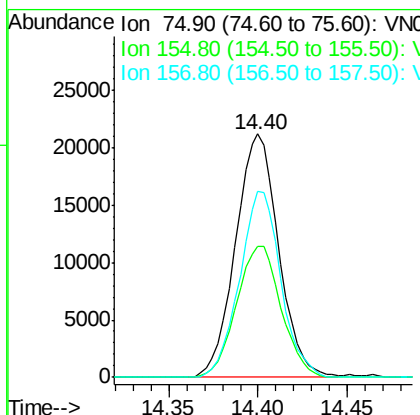
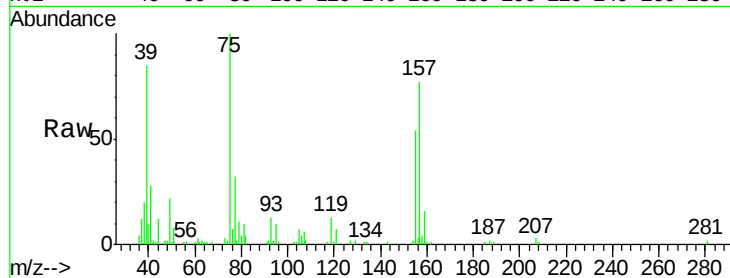
ClientSampleId :

VN0921WBS01

Tot Ion:	75	Resp:	35687
Ion Ratio	Lower	Upper	
75	100		
155	55.6	35.6	106.9
157	73.0	44.6	133.8

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#94

1,2,4-Trichlorobenzene

Concen: 19.64 ug/l

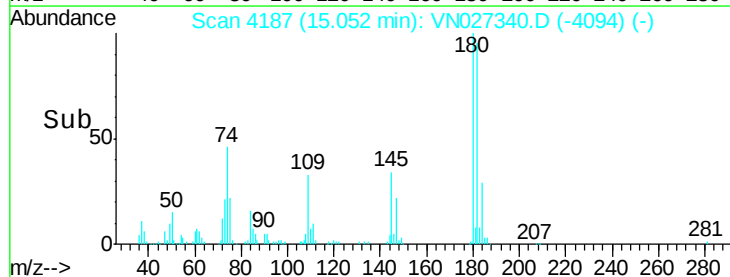
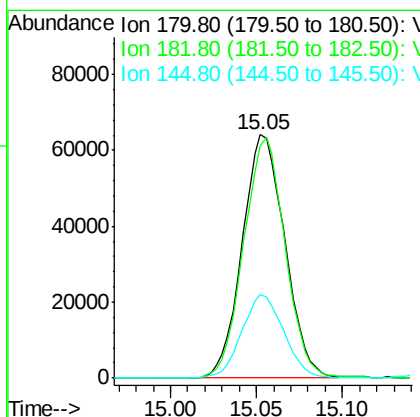
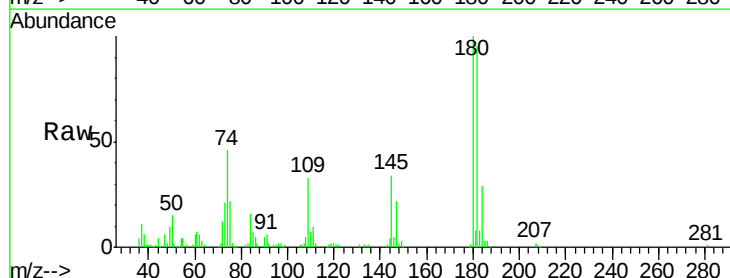
RT: 15.05 min Scan# 4187

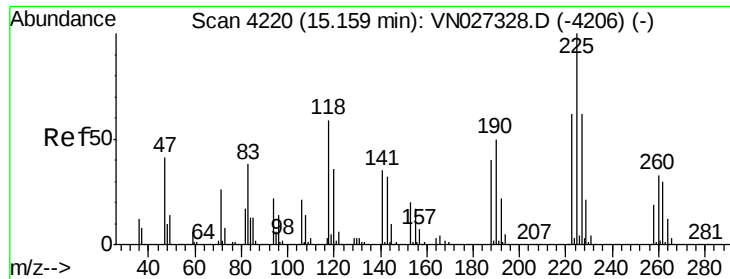
Delta R.T. -0.00 min

Lab File: VN027340.D

Acq: 21 Sep 2015 19:36

Tgt Ion:	180	Resp:	110257
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.5	142.5
145	33.6	15.1	45.3





#95

Hexachlorobutadiene

Concen: 19.04 ug/l

RT: 15.16 min Scan# 4220

Delta R.T. -0.00 min

Lab File: VN027340.D

Acq: 21 Sep 2015 19:36

Instrument :

MSVOA_N

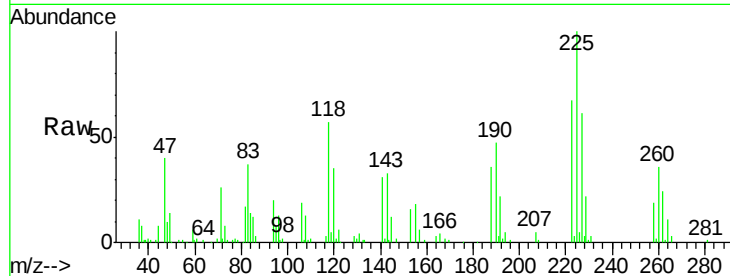
ClientSampleId :

VN0921WBS01

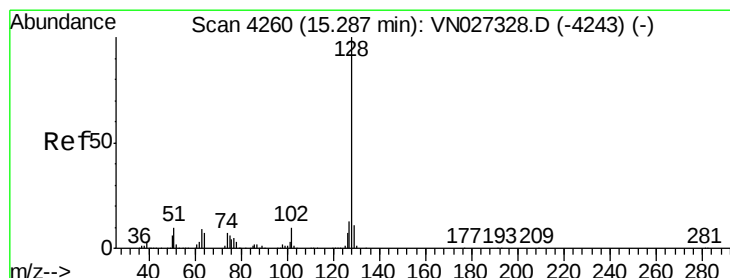
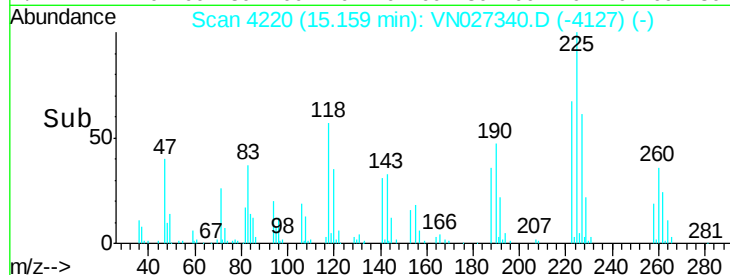
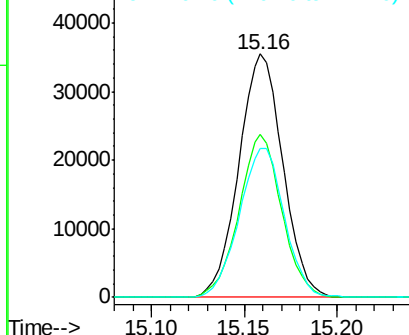
Tot Ion:	225	Resp:	58586
Ion Ratio	Lower	Upper	
225	100		
223	64.8	30.8	92.3
227	62.8	31.7	95.1

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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: 19.65 ug/l

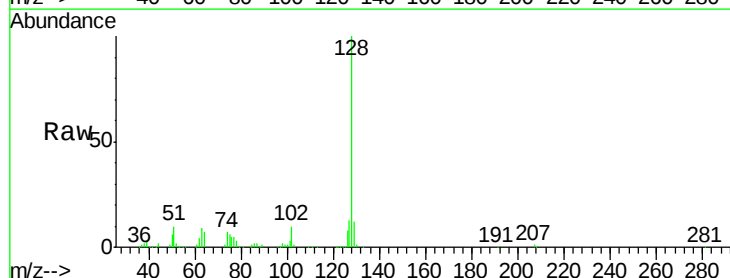
RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

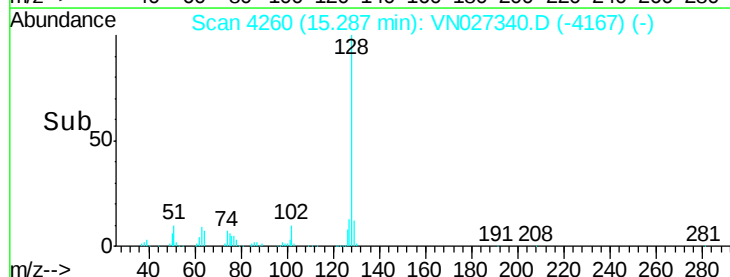
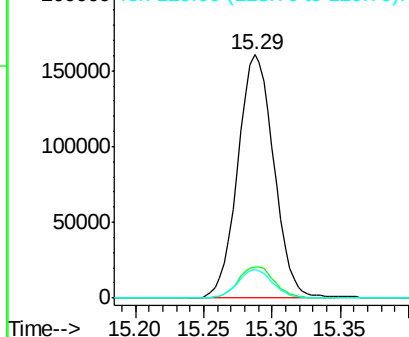
Lab File: VN027340.D

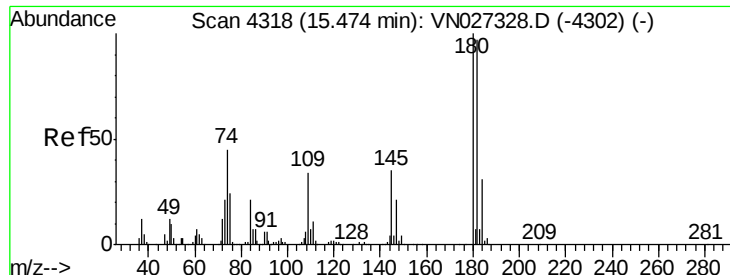
Acq: 21 Sep 2015 19:36

Tgt Ion:	128	Resp:	294913
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.2	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: 19.90 ug/l
 RT: 15.47 min Scan# 4318
 Delta R.T. -0.00 min
 Lab File: VN027340.D
 Acq: 21 Sep 2015 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBS01

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	93.9	48.8	146.4
145	33.3	16.6	49.8

Manual Integrations
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