

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN092115\
 Data File : VN027331.D
 Acq On : 21 Sep 2015 13:39
 Operator : MD\FY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092115

Manual Integrations
 APPROVED

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 9/22/2015 2:28:08 PM

Quant Time: Sep 22 01:39:20 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N092115W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 21 13:12:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	577818	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1109822	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	945709	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	372405	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	516882	45.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.40%	
36) Dibromofluoromethane	7.68	113	323703	44.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.40%	
51) Toluene-d8	10.19	98	1263898	45.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.30%	
63) 4-Bromofluorobenzene	12.52	95	459377	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	296883	49.50	ug/l	99
3) Chlorodifluoromethane	1.82	51	377023	49.64	ug/l	94
4) Chloromethane	2.01	50	335036	48.76	ug/l	100
5) Vinyl Chloride	2.14	62	374014	48.79	ug/l	99
6) Bromomethane	2.54	94	159902	51.22	ug/l	99
7) Chloroethane	2.69	64	237292	48.69	ug/l	98
8) Trichlorofluoromethane	3.02	101	559362	50.25	ug/l	97
9) Diethyl Ether	3.42	74	249663	50.47	ug/l	84
10) 1,1,2-Trichlorotrifluoroet	3.79	101	353611	50.09	ug/l	95
11) Methyl Iodide	3.99	142	225993	41.68	ug/l	92
12) Tert butyl alcohol	4.80	59	233630	258.91	ug/l	98
13) 1,1-Dichloroethene	3.77	96	332500	50.39	ug/l	96
14) Acrolein	3.62	56	330968	282.91	ug/l	97
15) Allyl chloride	4.37	41	645324	50.14	ug/l	# 82
16) Acrylonitrile	5.02	53	857829	261.81	ug/l	98
17) Acetone	3.82	43	806094	261.95	ug/l	96
18) Carbon Disulfide	4.11	76	962330	48.71	ug/l	99
19) Methyl Acetate	4.36	43	1045233	54.75	ug/l	95
20) Methyl tert-butyl Ether	5.12	73	1335336	50.69	ug/l	97
21) Methylene Chloride	4.60	84	402043	49.07	ug/l	98
22) trans-1,2-Dichloroethene	5.12	96	358475	49.41	ug/l	99
23) Diisopropyl ether	6.03	45	1403210	50.14	ug/l	89
24) Vinyl Acetate	5.97	43	2402464	255.53	ug/l	98
25) 1,1-Dichloroethane	5.93	63	817131	50.10	ug/l	100
26) 2-Butanone	6.91	43	1103328	273.79	ug/l	95
27) 2,2-Dichloropropane	6.92	77	728839	51.87	ug/l	94
28) cis-1,2-Dichloroethene	6.92	96	428871	50.04	ug/l	95
29) Bromochloromethane	7.29	49	323908	50.62	ug/l	98
30) Tetrahydrofuran	7.31	42	674570	264.07	ug/l	89
31) Chloroform	7.45	83	775142	50.60	ug/l	99
32) Cyclohexane	7.77	56	734515	50.62	ug/l	94
33) 1,1,1-Trichloroethane	7.67	97	682443	50.28	ug/l	97
37) 1,1-Dichloropropene	7.89	75	582693	48.71	ug/l	98
38) Ethyl Acetate	7.02	43	475584	51.49	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	552713	49.10	ug/l	98
40) Methylcyclohexane	9.19	83	684966	48.21	ug/l	98
41) Benzene	8.14	78	1688125	48.63	ug/l	100
42) Methacrylonitrile	7.24	41	275624	50.55	ug/l #	90
43) 1,2-Dichloroethane	8.22	62	694420	49.07	ug/l	95
44) Isopropyl Acetate	8.25	43	901746	51.08	ug/l	99
45) Trichloroethene	8.93	130	337366	48.51	ug/l	90
46) 1,2-Dichloropropane	9.22	63	477322	49.13	ug/l	100
47) Dibromomethane	9.31	93	284655	48.81	ug/l	93
48) Bromodichloromethane	9.49	83	613133	49.58	ug/l	99
49) Methyl methacrylate	9.29	41	434704	52.32	ug/l #	86
50) 1,4-Dioxane	9.30	88	97972	977.03	ug/l	96
52) 4-Methyl-2-Pentanone	10.07	43	2310083	254.43	ug/l	99
53) Toluene	10.26	92	983774	47.91	ug/l	99
54) t-1,3-Dichloropropene	10.47	75	667430	50.55	ug/l	100
55) cis-1,3-Dichloropropene	9.93	75	723289	49.87	ug/l	93
56) 1,1,2-Trichloroethane	10.66	97	377146	49.25	ug/l	98
57) Ethyl methacrylate	10.52	69	612201	50.37	ug/l #	89
58) 1,3-Dichloropropane	10.81	76	692593	49.07	ug/l	98
59) 2-Chloroethyl Vinyl ether	9.78	63	1393475	258.71	ug/l	98
60) 2-Hexanone	10.84	43	1597371	258.87	ug/l	99
61) Dibromochloromethane	11.00	129	379178	50.56	ug/l	100
62) 1,2-Dibromoethane	11.11	107	363616	49.93	ug/l	99
65) Tetrachloroethene	10.74	164	263996	46.90	ug/l	95
66) Chlorobenzene	11.54	112	984929	48.58	ug/l	99
67) 1,1,1,2-Tetrachloroethane	11.62	131	339623	49.91	ug/l	99
68) Ethyl Benzene	11.62	91	1887651	49.35	ug/l	99
69) m/p-Xylenes	11.73	106	1303690	98.32	ug/l	90
70) o-Xylene	12.06	106	643540	48.03	ug/l	88
71) Styrene	12.07	104	1082980	50.77	ug/l	94
72) Bromoform	12.24	173	229716	50.32	ug/l #	100
74) Isopropylbenzene	12.36	105	1773339	47.53	ug/l	98
75) N-amyl acetate	12.17	43	753720	50.92	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	492066	46.86	ug/l	99
77) 1,2,3-Trichloropropane	12.66	75	429292m	45.91	ug/l	
78) Bromobenzene	12.64	156	346486	47.46	ug/l	93
79) n-propylbenzene	12.71	91	2124728	47.75	ug/l	97
80) 2-Chlorotoluene	12.79	91	1258084	46.25	ug/l	95
81) 1,3,5-Trimethylbenzene	12.85	105	1422256	47.16	ug/l	95
82) trans-1,4-Dichloro-2-buten	12.40	75	178244	48.89	ug/l	93
83) 4-Chlorotoluene	12.89	91	1259538	47.45	ug/l	95
84) tert-Butylbenzene	13.11	119	1139062	46.84	ug/l	87
85) 1,2,4-Trimethylbenzene	13.16	105	1429801	47.67	ug/l	94
86) sec-Butylbenzene	13.29	105	1749127	48.29	ug/l	99
87) p-Isopropyltoluene	13.41	119	1322882	48.71	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	614996	48.82	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	603754	47.36	ug/l	95
90) n-Butylbenzene	13.74	91	1352632	49.87	ug/l	98
91) Hexachloroethane	14.01	117	275666	47.47	ug/l	92
92) 1,2-Dichlorobenzene	13.78	146	600279	47.70	ug/l	96

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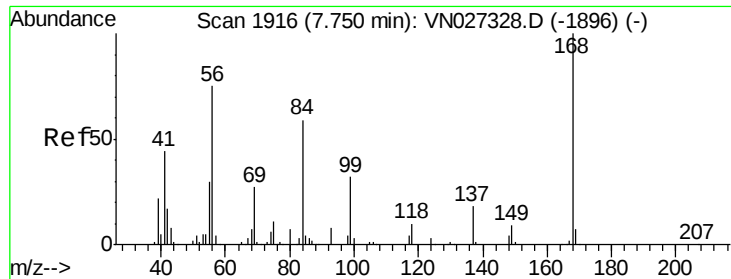
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	100616	48.89	ug/l	86
94) 1,2,4-Trichlorobenzene	15.05	180	335976	51.66	ug/l	98
95) Hexachlorobutadiene	15.16	225	168869	47.39	ug/l	98
96) Naphthalene	15.29	128	931798	47.02	ug/l	100
97) 1,2,3-Trichlorobenzene	15.47	180	329248	50.81	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: VN027331.D

Acq: 21 Sep 2015 13:39

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092115

Tot Ion:168 Resp: 577818

Ion Ratio Lower Upper

168 100

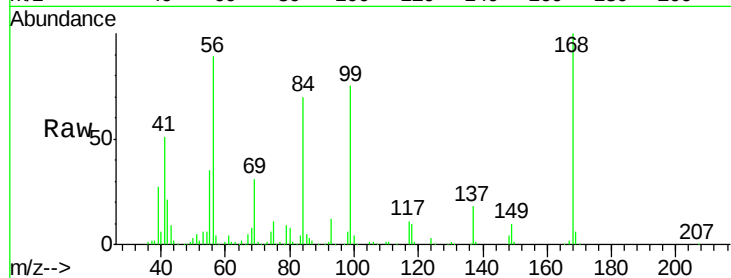
99 74.1 50.4 75.6

Manual Integrations

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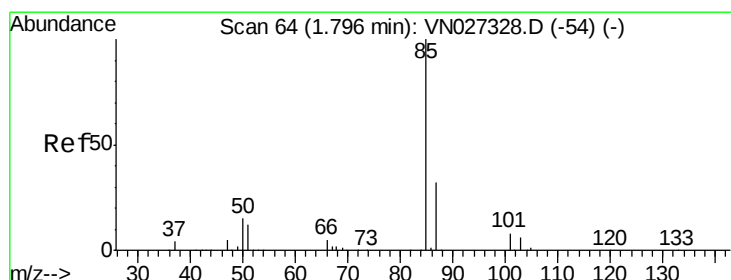
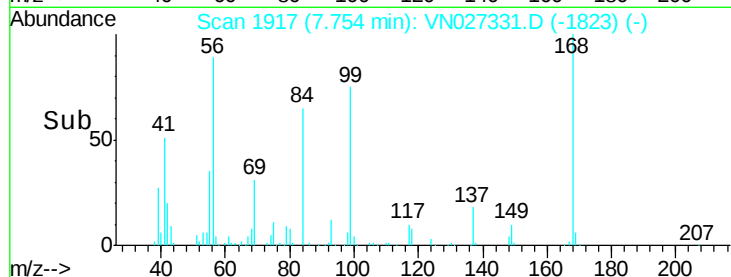
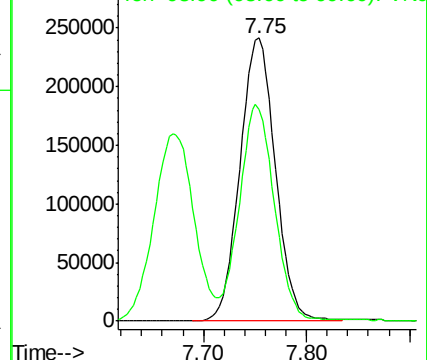
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 49.50 ug/l

RT: 1.80 min Scan# 64

Delta R.T. 0.00 min

Lab File: VN027331.D

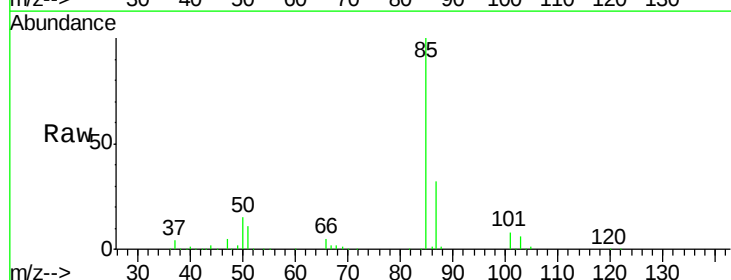
Acq: 21 Sep 2015 13:39

Tgt Ion: 85 Resp: 296883

Ion Ratio Lower Upper

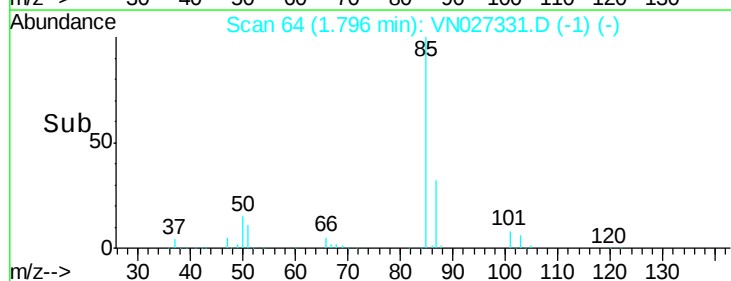
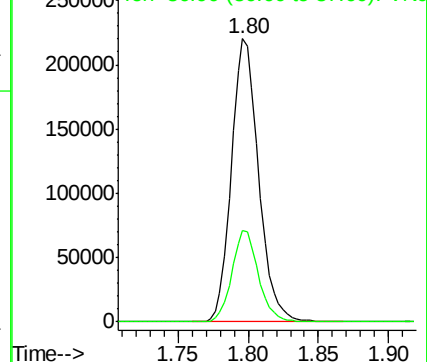
85 100

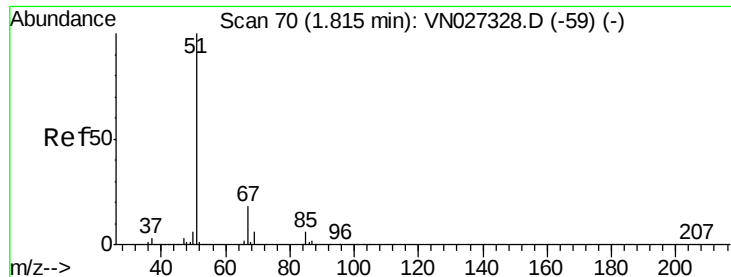
87 32.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chlorodifluoromethane

Concen: 49.64 ug/l

RT: 1.82 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

Tot Ion: 51 Resp: 377023

Ion Ratio Lower Upper

51 100

67 17.9 12.2 18.2

Instrument :

MSVOA_N

ClientSampleId :

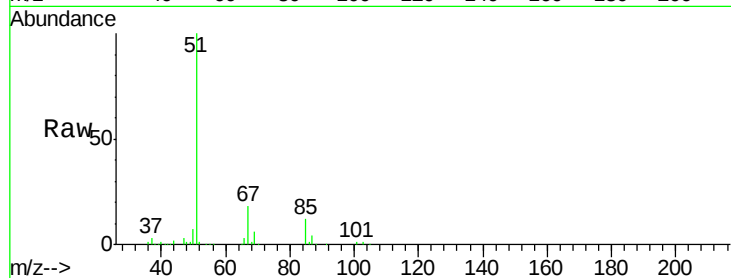
ICVVN092115

Manual Integrations

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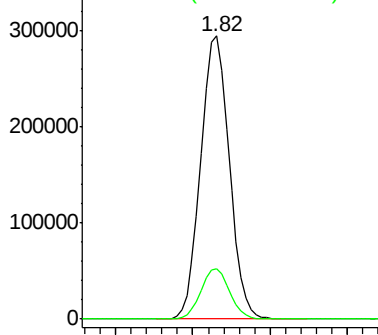
MMDadoda

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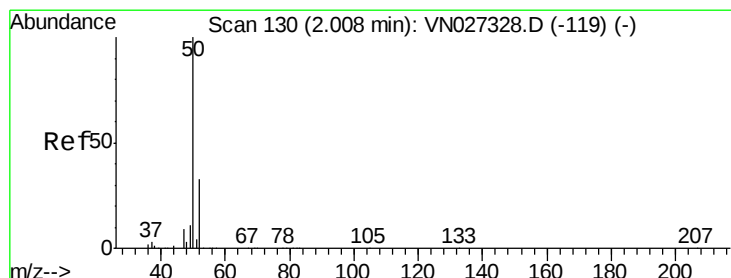
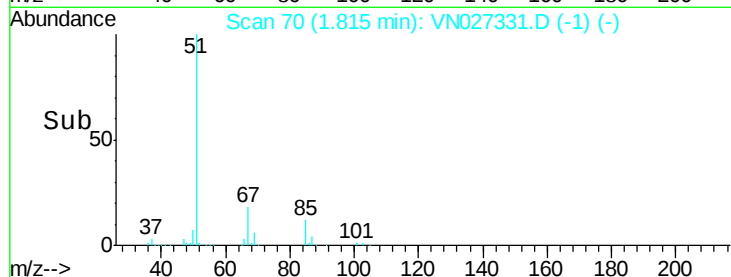


Abundance Ion 51.00 (50.70 to 51.70): VNO

Ion 67.00 (66.70 to 67.70): VNO



Time-->



#4

Chloromethane

Concen: 48.76 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027331.D

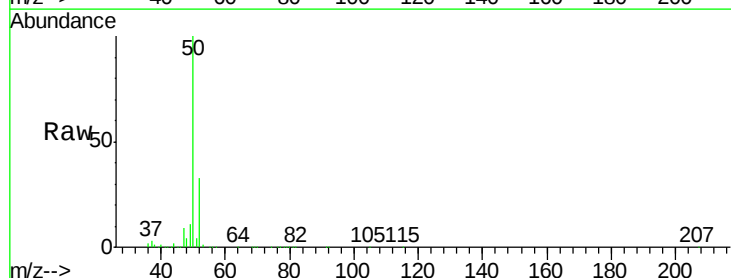
Acq: 21 Sep 2015 13:39

Tgt Ion: 50 Resp: 335036

Ion Ratio Lower Upper

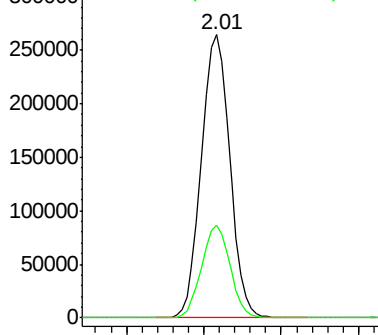
50 100

52 32.7 25.9 38.9

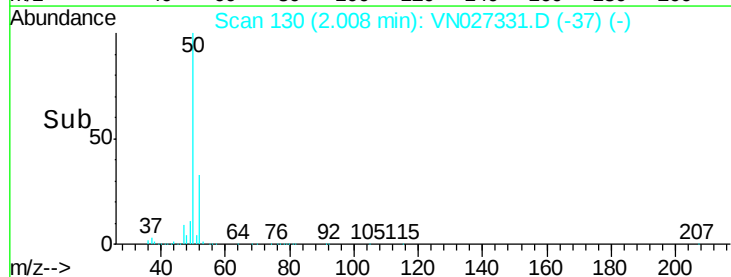


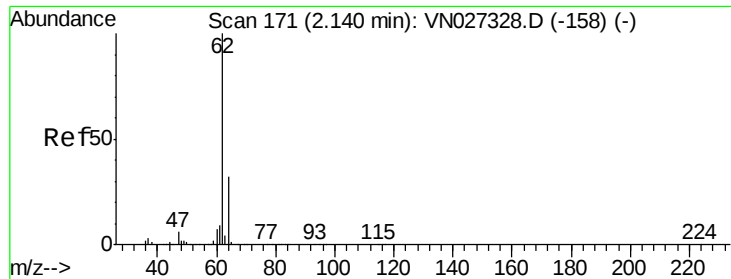
Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



Time-->





#5

Vinyl Chloride

Concen: 48.79 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

Instrument :

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ClientSampleId :

ICVVN092115

Tot Ion: 62 Resp: 374014

Ion Ratio Lower Upper

62 100

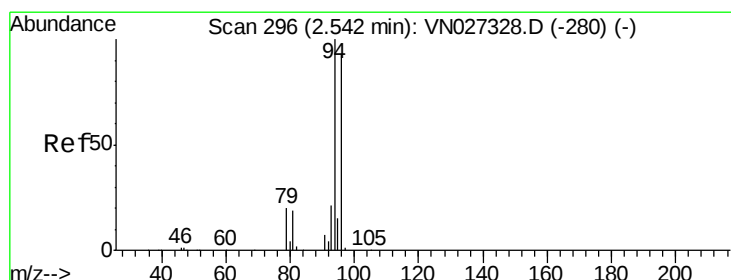
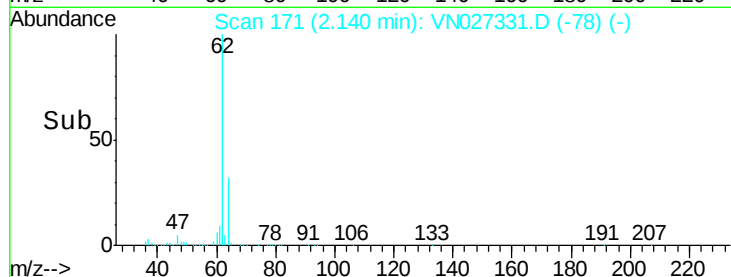
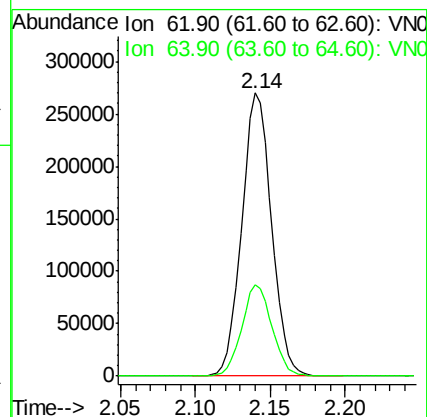
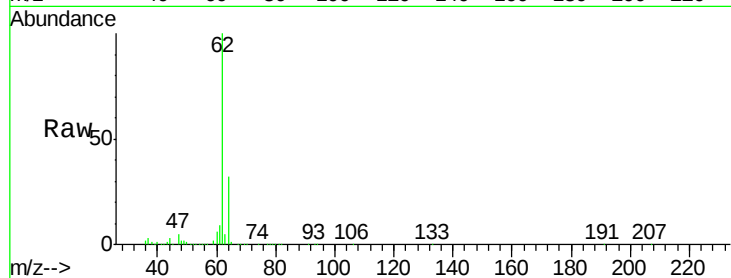
64 32.0 25.9 38.9

Manual Integrations

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#6

Bromomethane

Concen: 51.22 ug/l

RT: 2.54 min Scan# 295

Delta R.T. -0.00 min

Lab File: VN027331.D

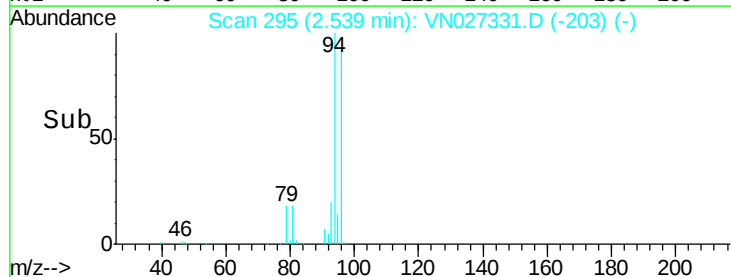
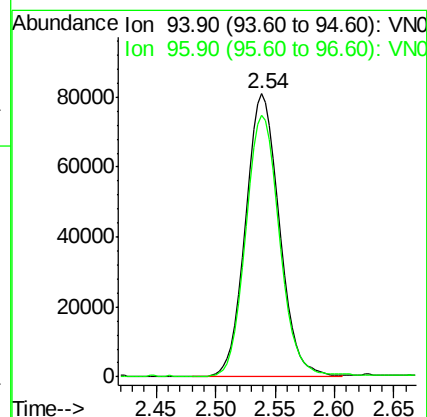
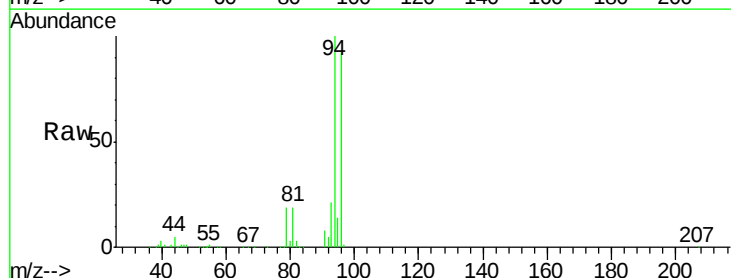
Acq: 21 Sep 2015 13:39

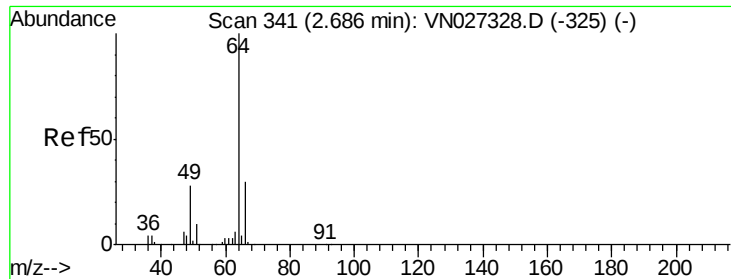
Tgt Ion: 94 Resp: 159902

Ion Ratio Lower Upper

94 100

96 92.4 73.4 110.2





#7

Chloroethane

Concen: 48.69 ug/l

RT: 2.69 min Scan# 341

Delta R.T. 0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

Instrument :

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ClientSampleId :

ICVVN092115

Tot Ion: 64 Resp: 237292

Ion Ratio Lower Upper

64 100

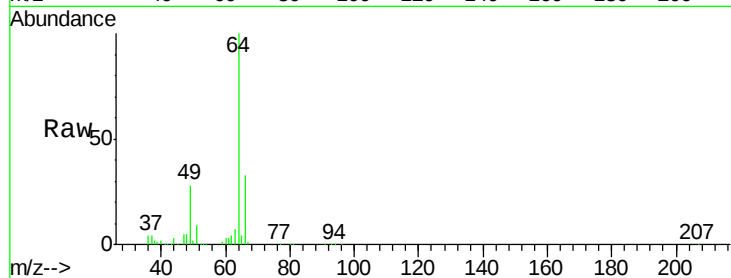
66 32.8 25.5 38.3

Manual Integrations

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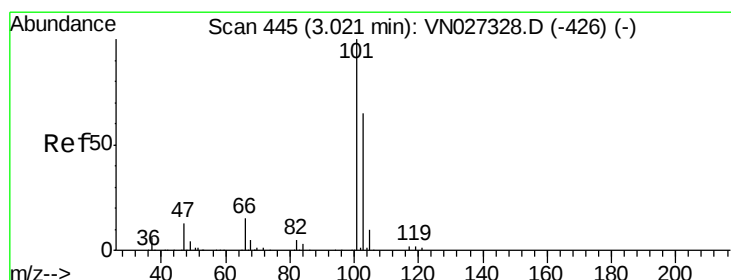
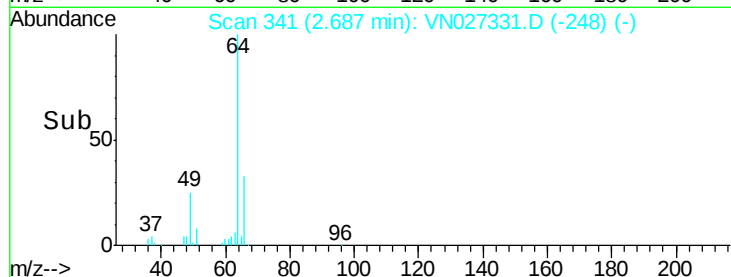
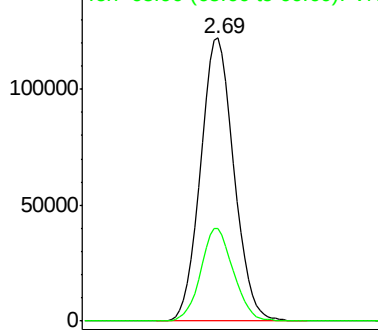
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Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



#8

Trichlorofluoromethane

Concen: 50.25 ug/l

RT: 3.02 min Scan# 446

Delta R.T. 0.00 min

Lab File: VN027331.D

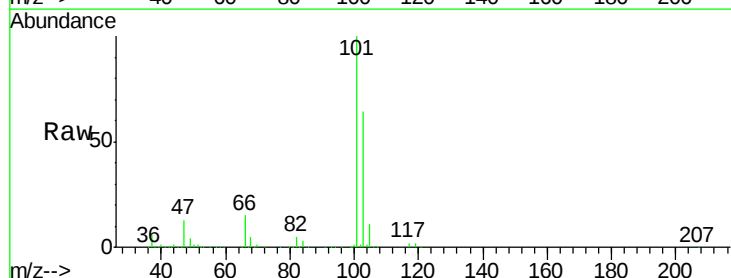
Acq: 21 Sep 2015 13:39

Tgt Ion:101 Resp: 559362

Ion Ratio Lower Upper

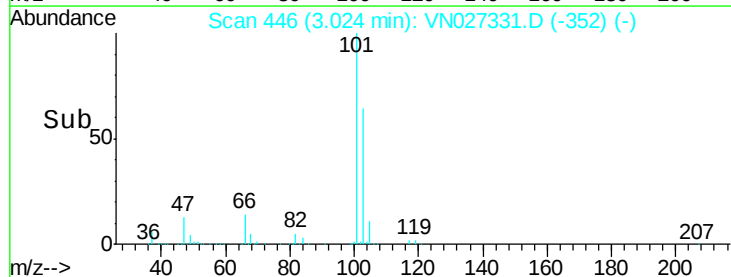
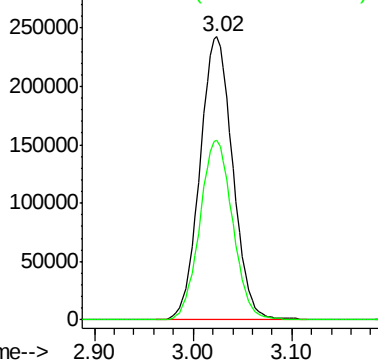
101 100

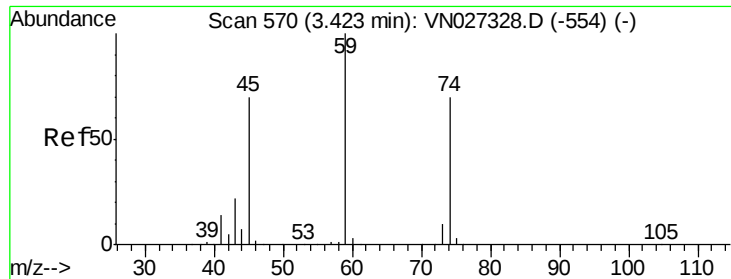
103 63.7 52.6 79.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#9

Diethyl Ether

Concen: 50.47 ug/l

RT: 3.42 min Scan# 570

Delta R.T. 0.00 min

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Tot Ion: 74 Resp: 249663

Ion Ratio Lower Upper

74 100

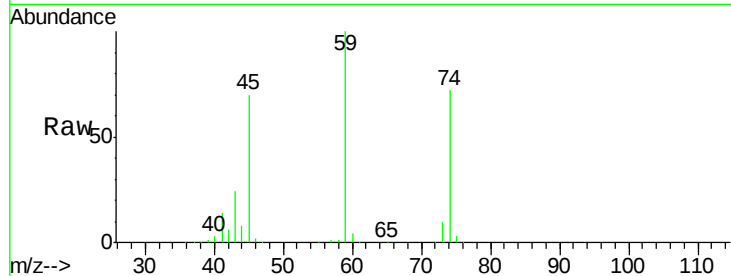
45 98.9 58.1 174.3

Manual Integrations

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Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

120000

100000

80000

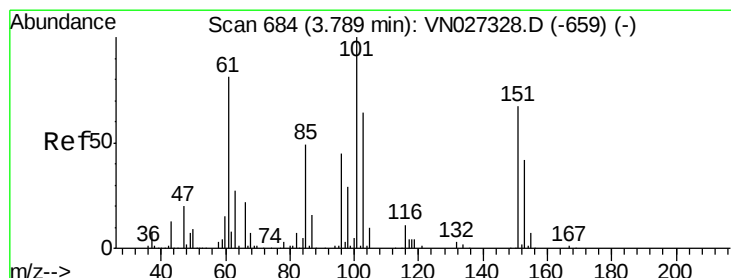
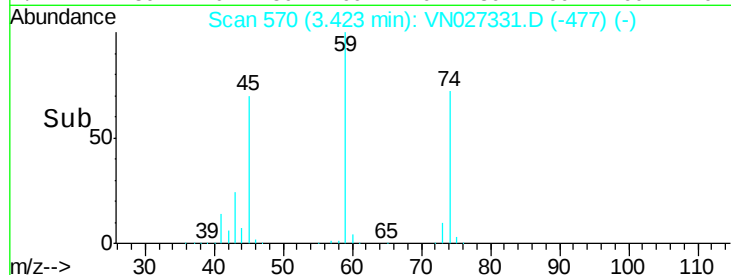
60000

40000

20000

0

Time-->



#10

1,1,2-Trichlorotrifluoroethane

Concen: 50.09 ug/l

RT: 3.79 min Scan# 684

Delta R.T. 0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

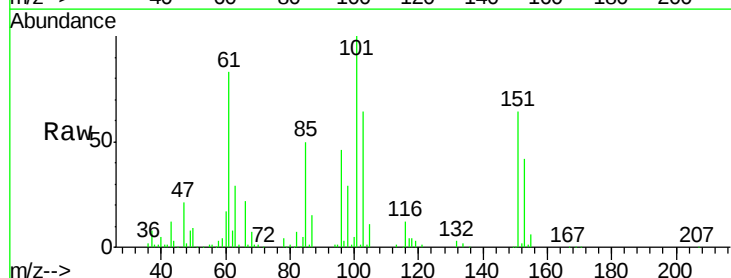
Tgt Ion:101 Resp: 353611

Ion Ratio Lower Upper

101 100

85 49.0 37.4 56.0

151 65.2 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

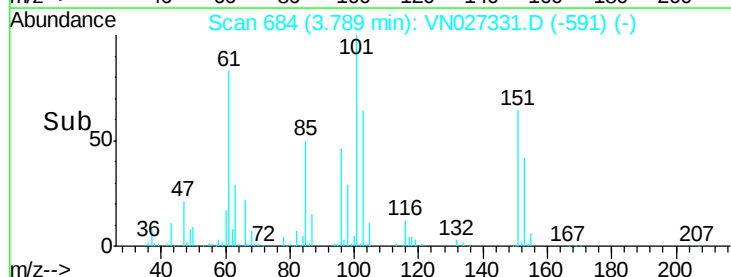
150000

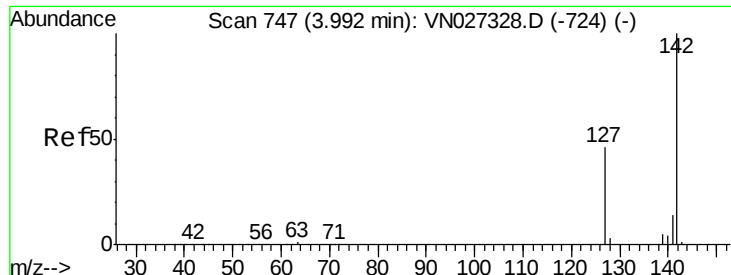
100000

50000

0

Time-->





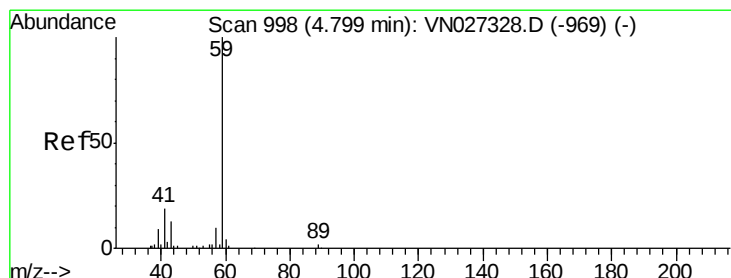
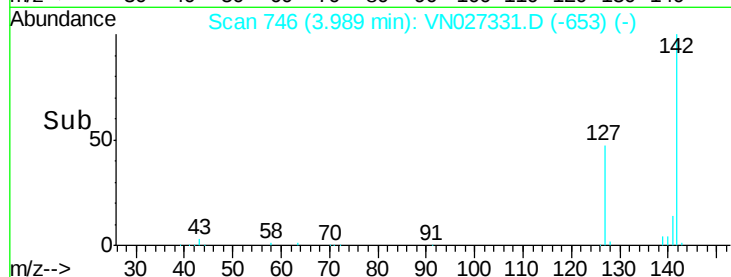
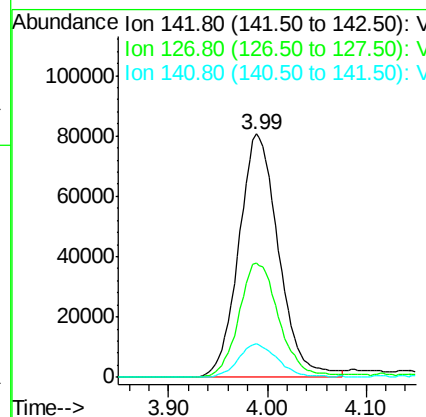
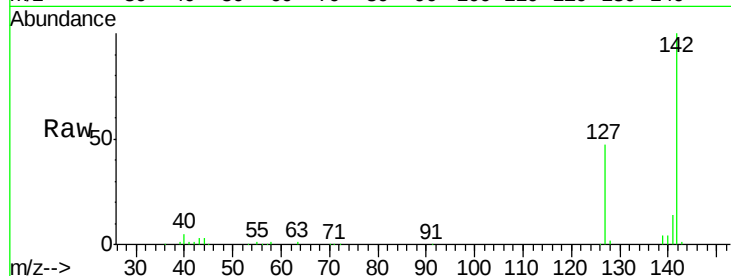
#11
Methvl Iodide
Concen: 41.68 ug/l
RT: 3.99 min Scan# 746
Delta R.T. -0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092115

Tot Ion	Ratio	Lower	Upper
142	100		
127	47.2	32.3	48.5
141	13.8	11.2	16.8

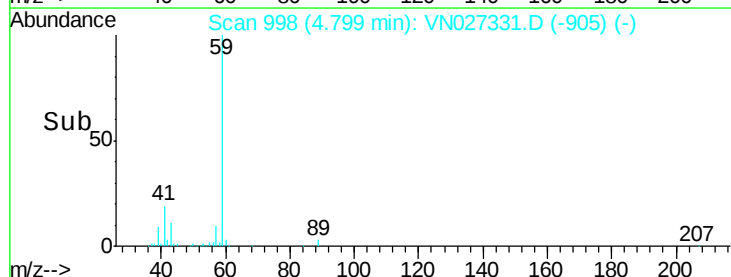
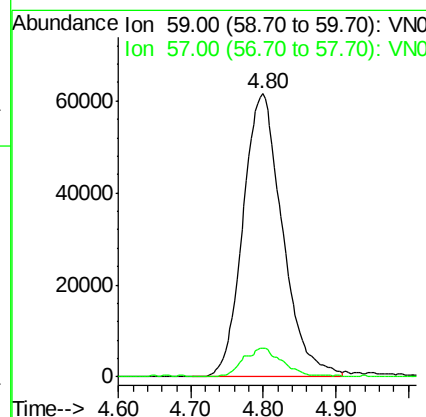
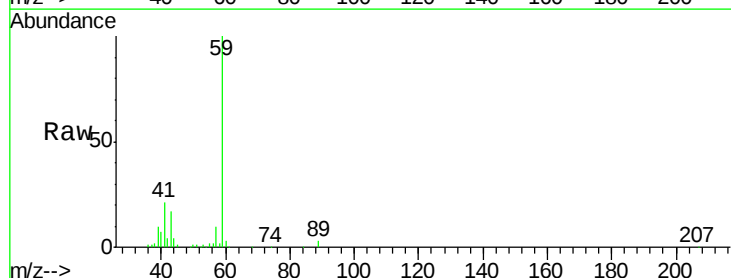
Manual Integrations
APPROVED

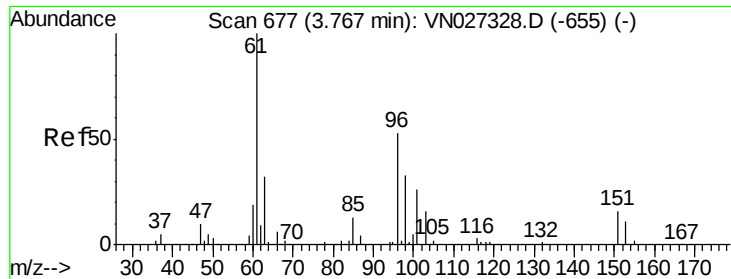
MMDadoda
9/22/2015 2:28:08 PM



#12
Tert butyl alcohol
Concen: 258.91 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.6	11.4





#13

1,1-Dichloroethene

Concen: 50.39 ug/l

RT: 3.77 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

Instrument :

MSVOA_N

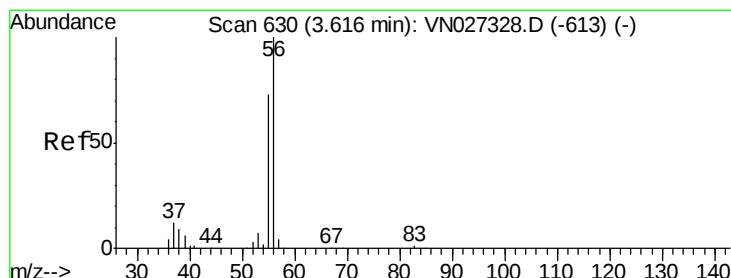
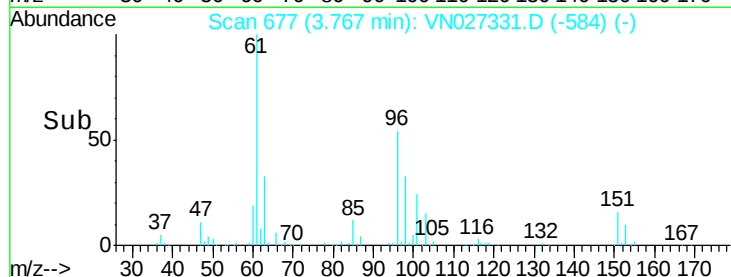
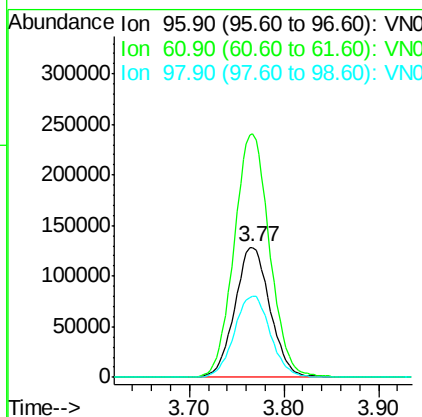
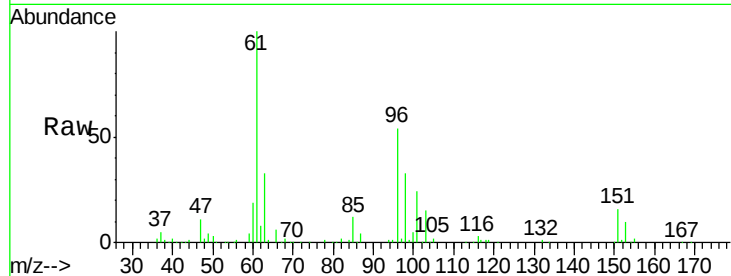
ClientSampleId :

ICVVN092115

Tot Ion:	96	Resp:	332500
Ion Ratio	Lower	Upper	
96	100		
61	186.8	143.8	215.8
98	62.5	50.3	75.5

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9/22/2015 2:28:08 PM



#14

Acrolein

Concen: 282.91 ug/l

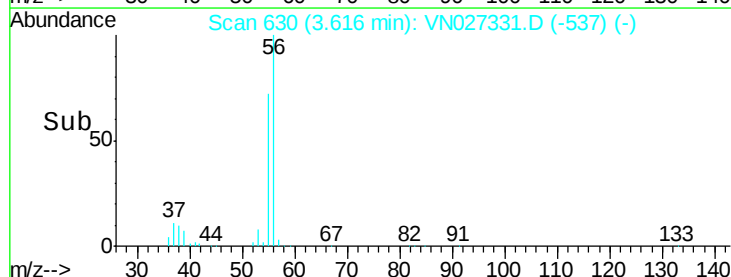
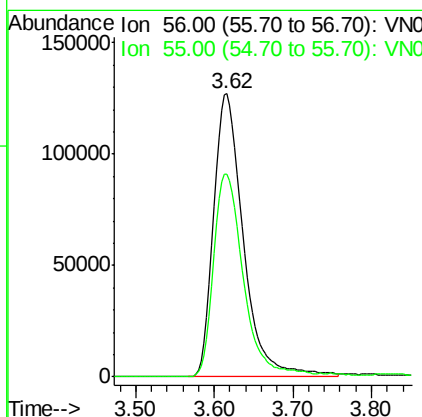
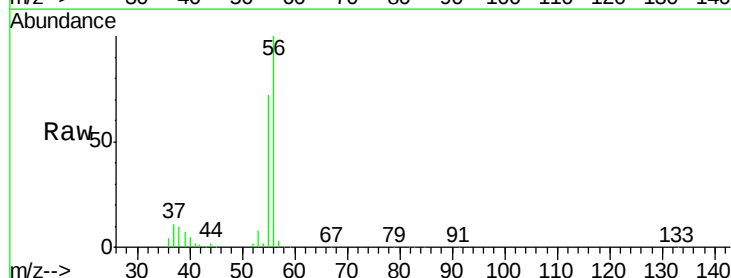
RT: 3.62 min Scan# 630

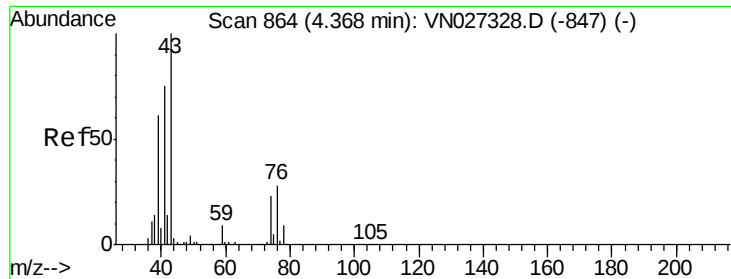
Delta R.T. 0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

Tgt Ion:	56	Resp:	330968
Ion Ratio	Lower	Upper	
56	100		
55	71.7	55.7	83.5





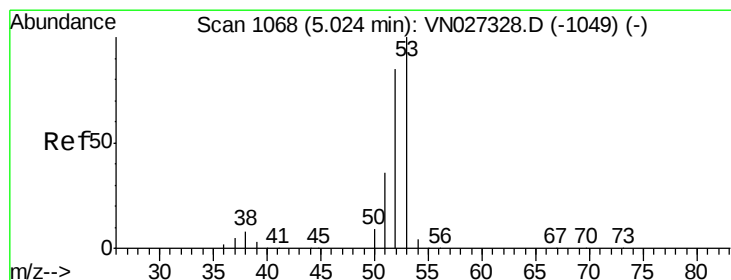
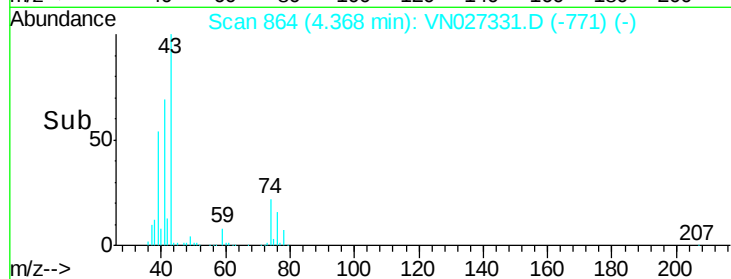
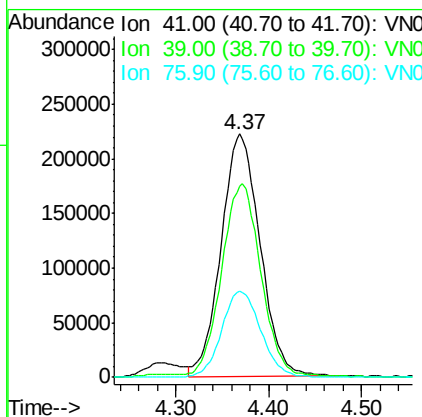
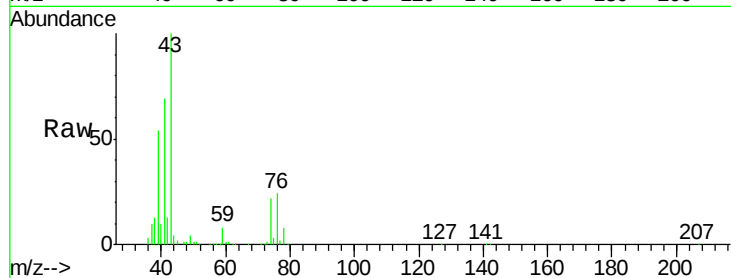
#15
Allvl chloride
Concen: 50.14 ug/l
RT: 4.37 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092115

Tot Ion	Ratio	Lower	Upper
41	100		
39	80.0	49.7	74.5#
76	35.2	24.8	37.2

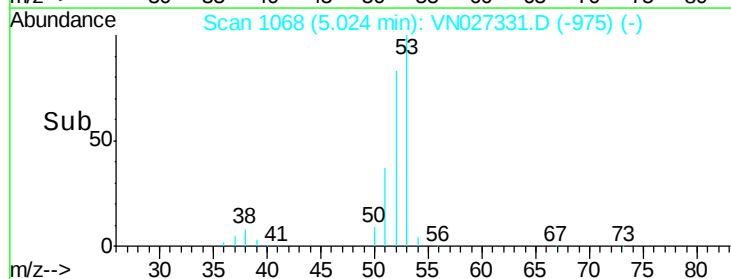
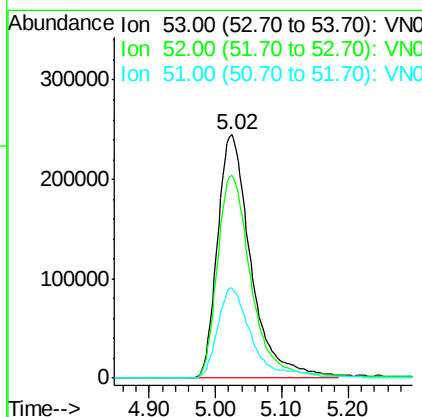
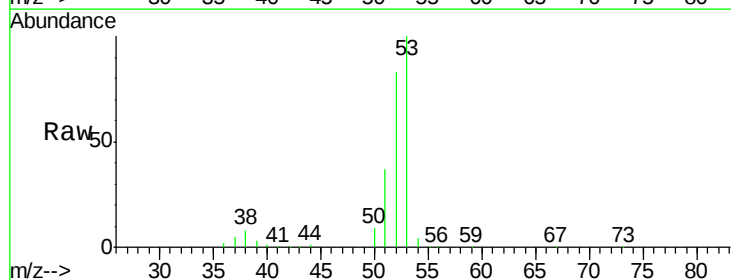
Manual Integrations
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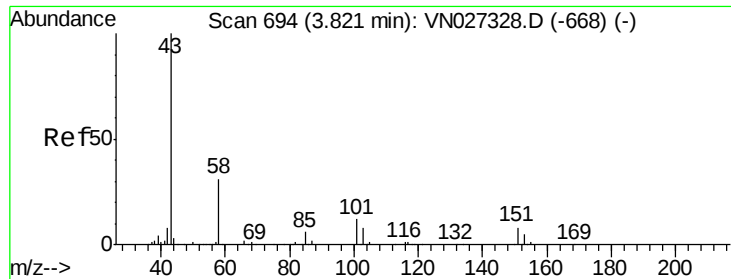
MMDadoda
9/22/2015 2:28:08 PM



#16
Acrylonitrile
Concen: 261.81 ug/l
RT: 5.02 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.9	100.3
51	37.6	27.4	41.0





#17

Acetone

Concen: 261.95 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092115

Tot Ion: 43 Resp: 806094

Ion Ratio Lower Upper

43 100

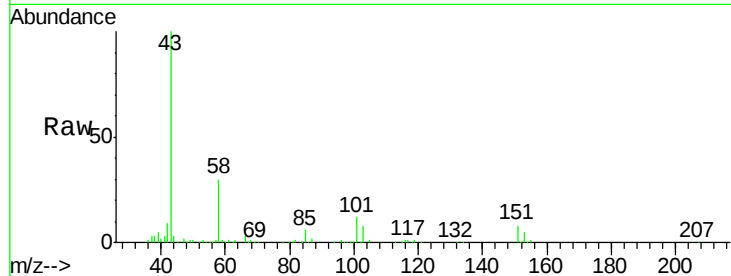
58 29.6 25.4 38.0

Manual Integrations

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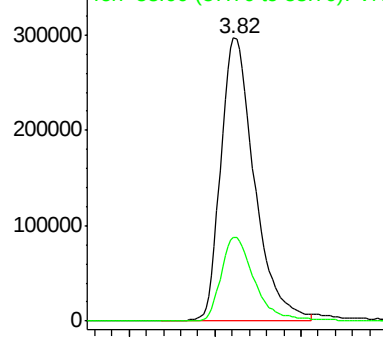
MMDadoda

9/22/2015 2:28:08 PM

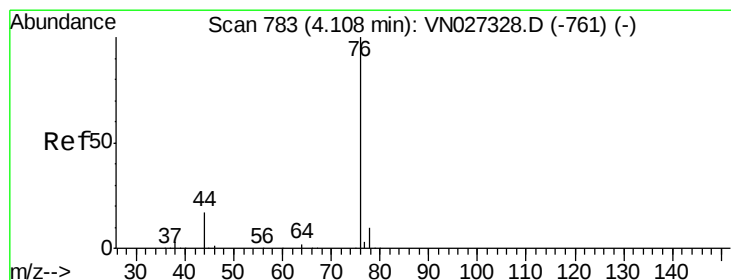
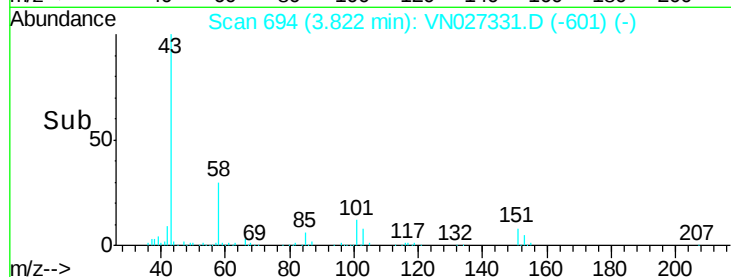


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#18

Carbon Disulfide

Concen: 48.71 ug/l

RT: 4.11 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN027331.D

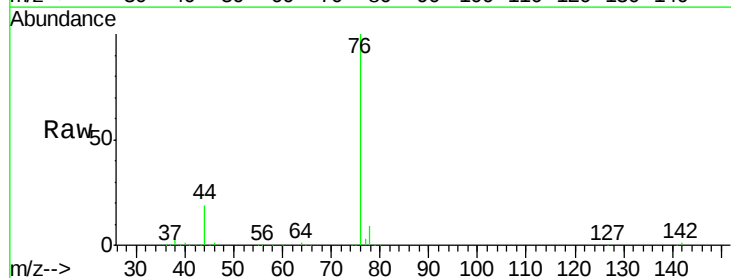
Acq: 21 Sep 2015 13:39

Tgt Ion: 76 Resp: 962330

Ion Ratio Lower Upper

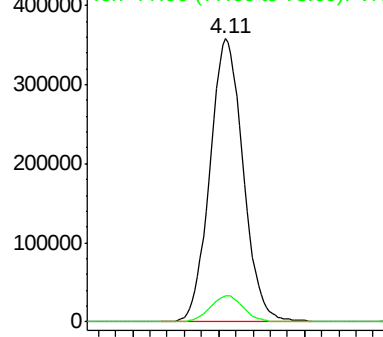
76 100

78 9.2 7.1 10.7

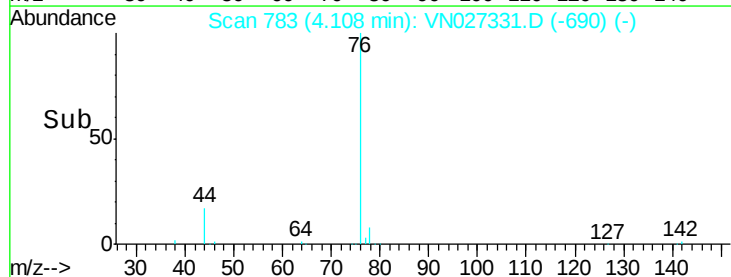


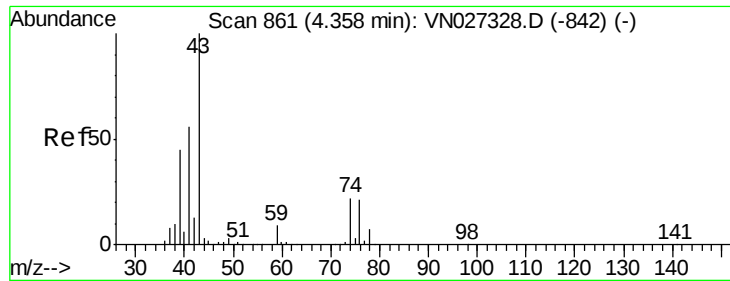
Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time-->





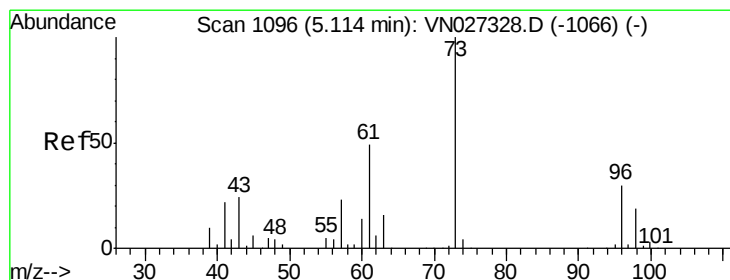
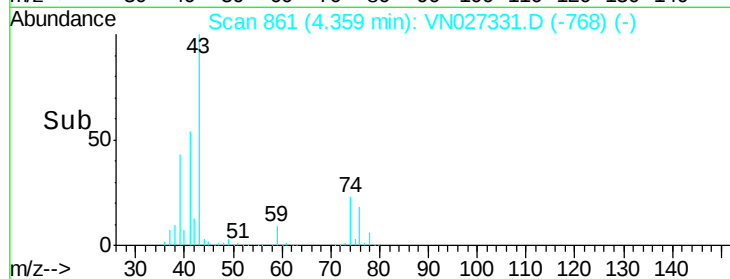
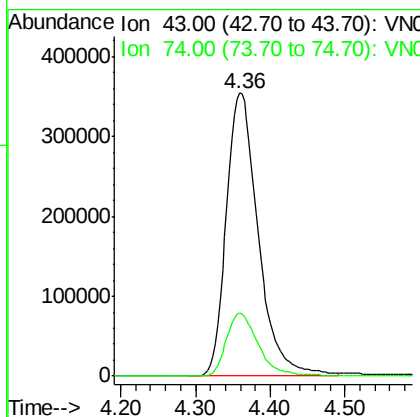
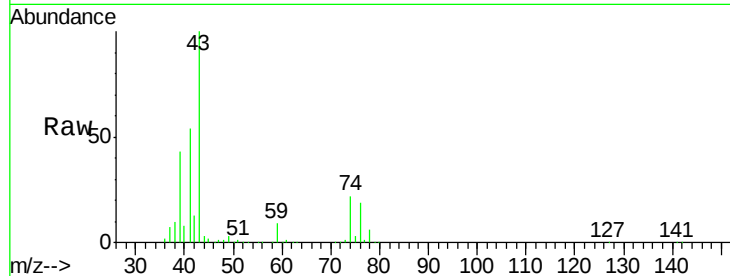
#19
Methvl Acetate
Concen: 54.75 ug/l
RT: 4.36 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092115

Tot Ion: 43 Resp: 1045233
Ion Ratio Lower Upper
43 100
74 22.5 16.2 24.2

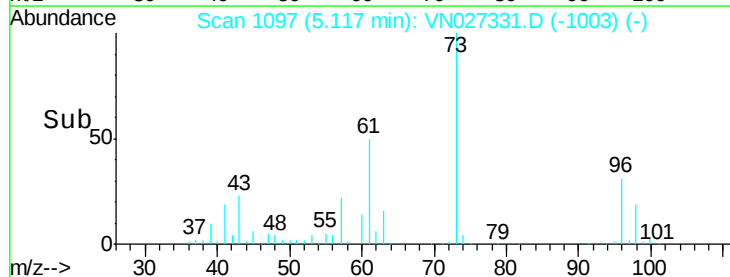
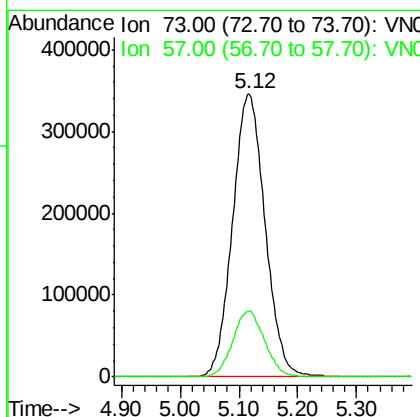
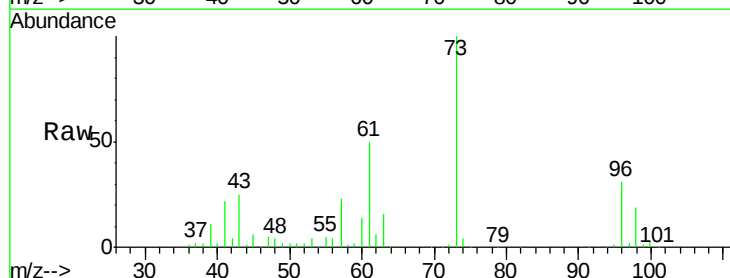
Manual Integrations
APPROVED

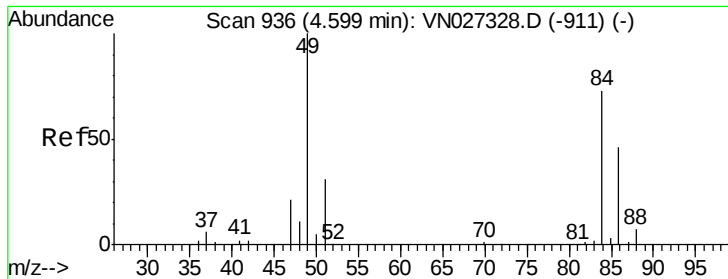
MMDadoda
9/22/2015 2:28:08 PM



#20
Methyl tert-butyl Ether
Concen: 50.69 ug/l
RT: 5.12 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Tgt Ion: 73 Resp: 1335336
Ion Ratio Lower Upper
73 100
57 23.3 19.8 29.6





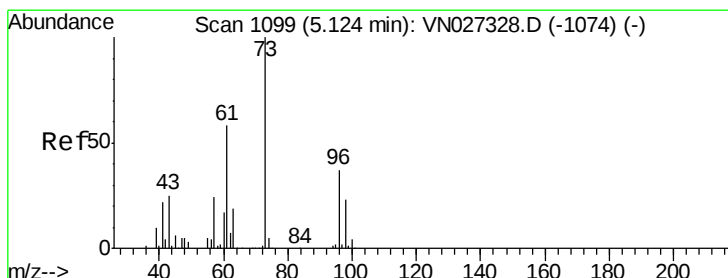
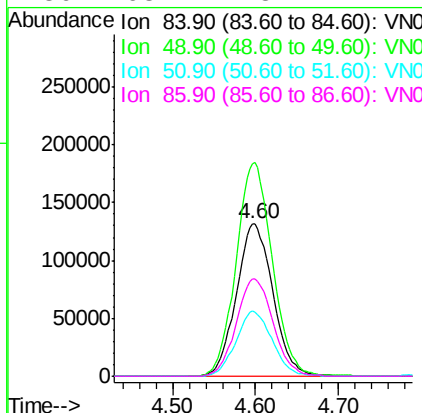
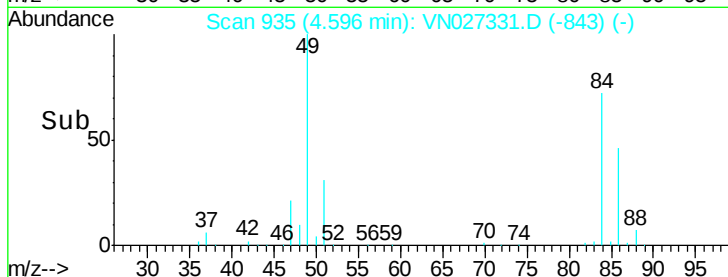
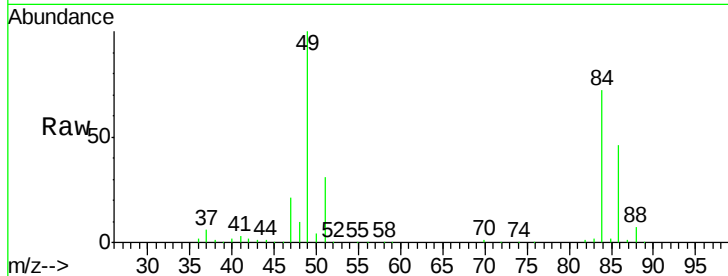
#21
Methvlene Chloride
Concen: 49.07 ug/l
RT: 4.60 min Scan# 935
Delta R.T. -0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092115

Tot Ion	84	Resp	402043
Ion	Ratio	Lower	Upper
84	100		
49	138.8	112.3	168.5
51	42.5	33.8	50.8
86	63.7	48.2	72.4

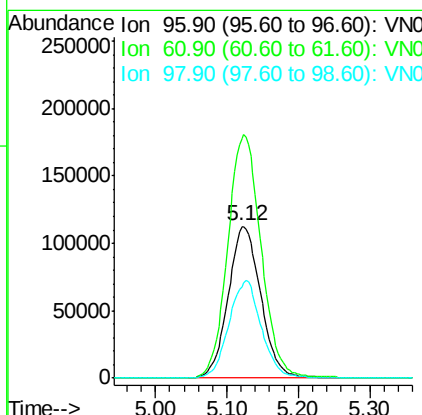
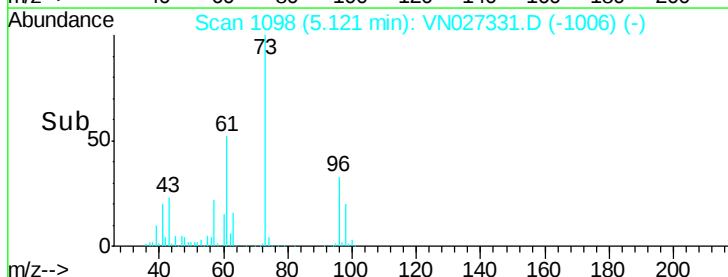
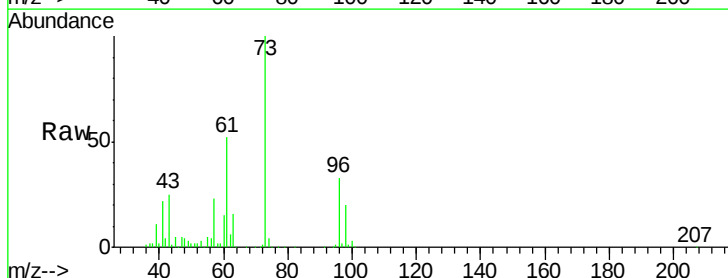
Manual Integrations
APPROVED

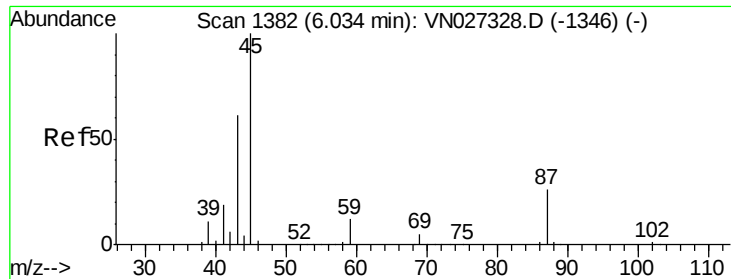
MMDadoda
9/22/2015 2:28:08 PM



#22
trans-1,2-Dichloroethene
Concen: 49.41 ug/l
RT: 5.12 min Scan# 1098
Delta R.T. -0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Tgt Ion	96	Resp	358475
Ion	Ratio	Lower	Upper
96	100		
61	158.1	126.6	189.8
98	60.6	47.4	71.2





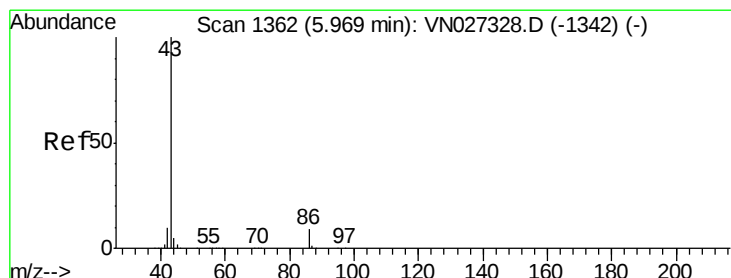
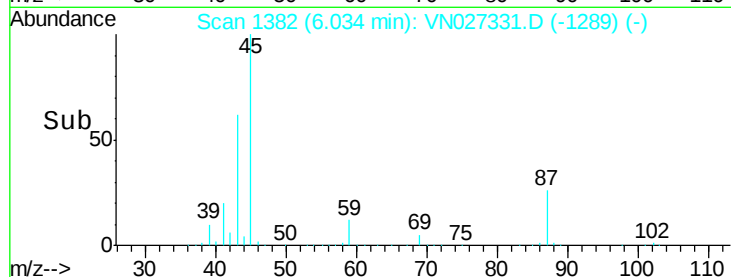
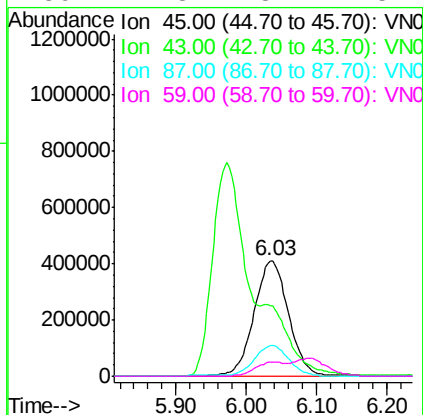
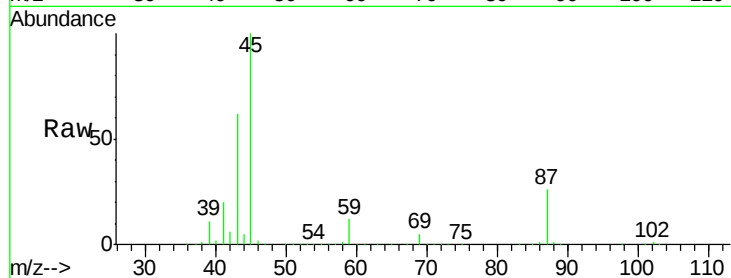
#23
Diisopropyl ether
Concen: 50.14 ug/l
RT: 6.03 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092115

Tot Ion	45	Resp	1403210
Ion	Ratio	Lower	Upper
45	100		
43	61.2	41.0	61.6
87	26.0	17.5	26.3
59	11.8	8.7	13.1

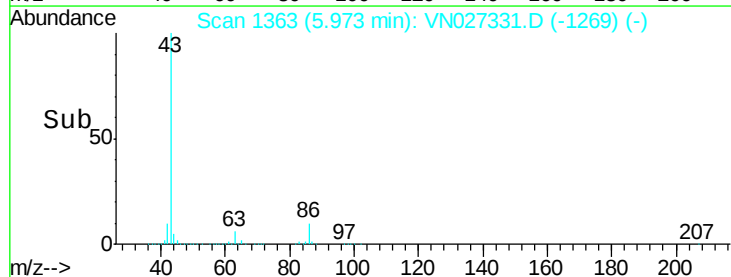
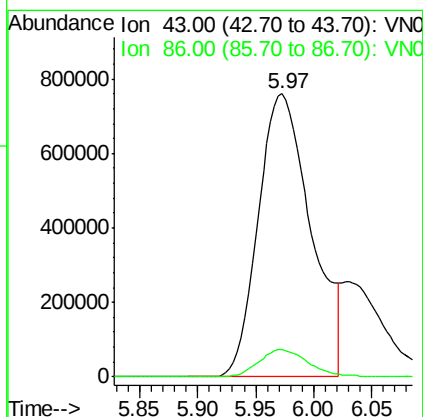
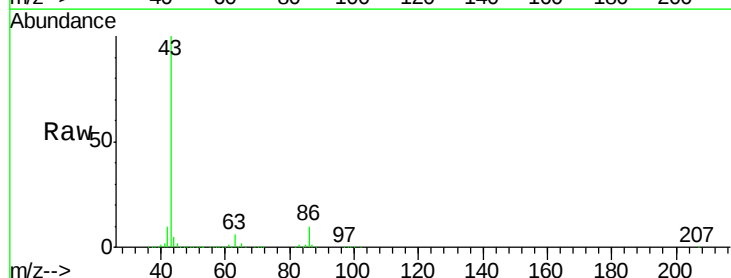
Manual Integrations
APPROVED

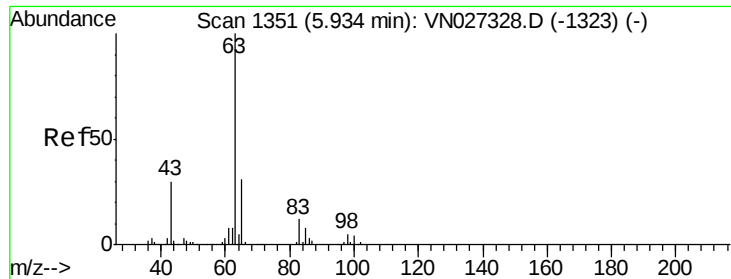
MMDadoda
9/22/2015 2:28:08 PM



#24
Vinyl Acetate
Concen: 255.53 ug/l
RT: 5.97 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Tgt Ion	43	Resp	2402464
Ion	Ratio	Lower	Upper
43	100		
86	9.5	6.9	10.3





#25

1,1-Dichloroethane

Concen: 50.10 ug/l

RT: 5.93 min Scan# 1351

Delta R.T. 0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

Instrument :

MSVOA_N

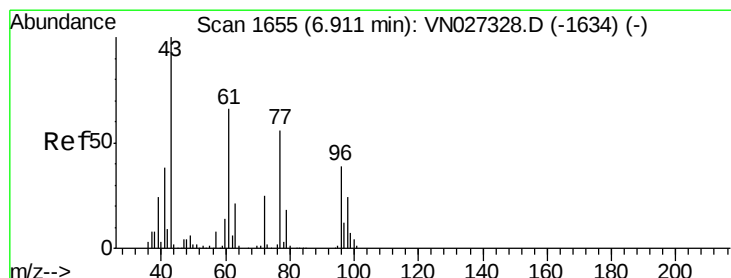
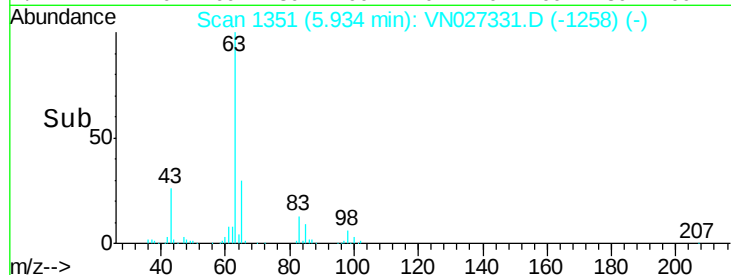
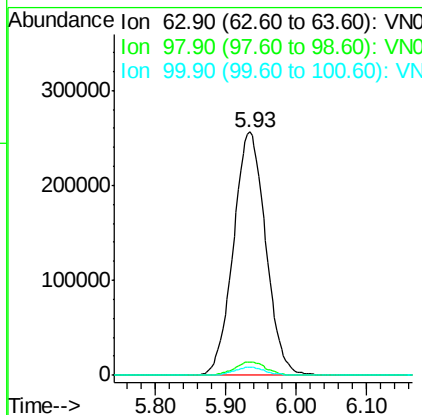
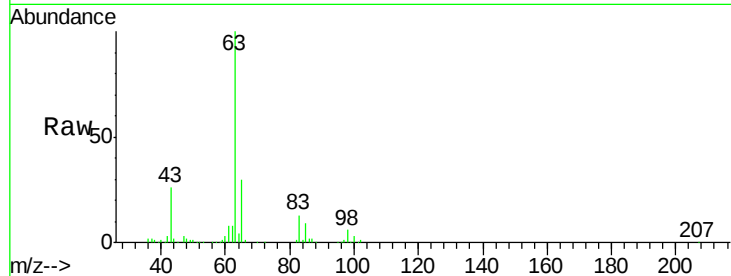
ClientSampleId :

ICVVN092115

Tot Ion	63	Resp	817131
Ion Ratio	Lower	Upper	
63	100		
98	5.7	2.8	8.3
100	3.3	1.7	5.0

Manual Integrations
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MMDadoda
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#26

2-Butanone

Concen: 273.79 ug/l

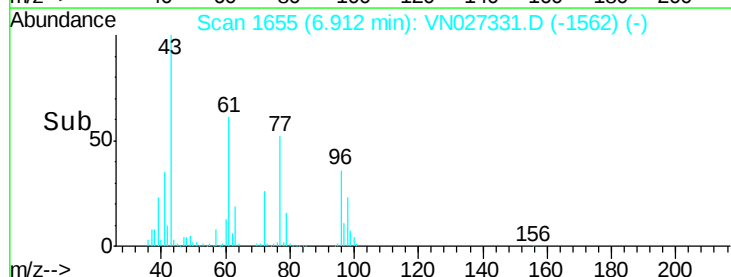
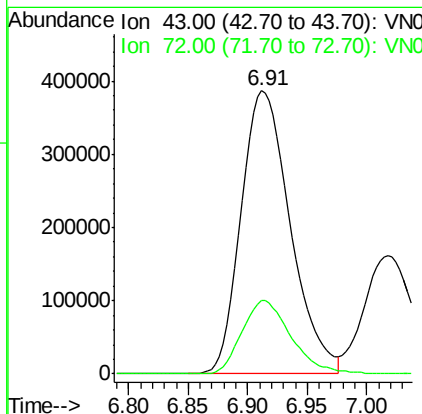
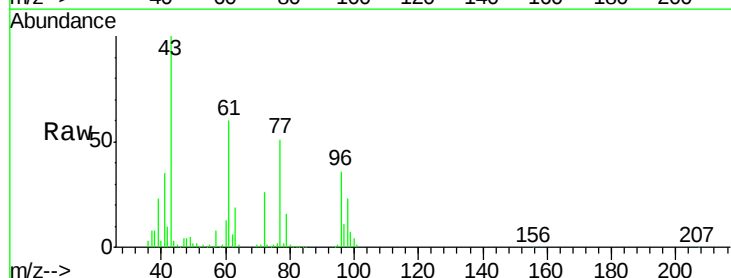
RT: 6.91 min Scan# 1655

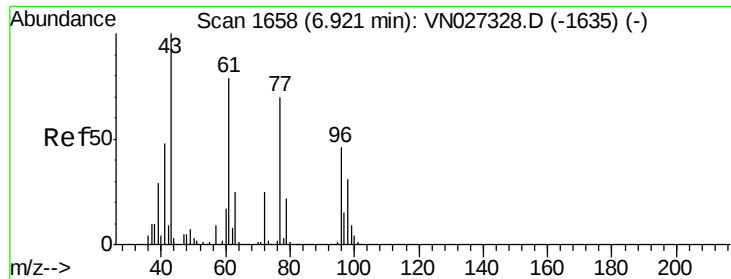
Delta R.T. 0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

Tgt Ion	43	Resp	1103328
Ion Ratio	Lower	Upper	
43	100		
72	25.9	18.8	28.2





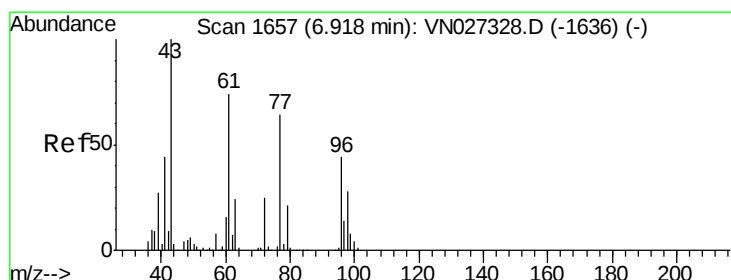
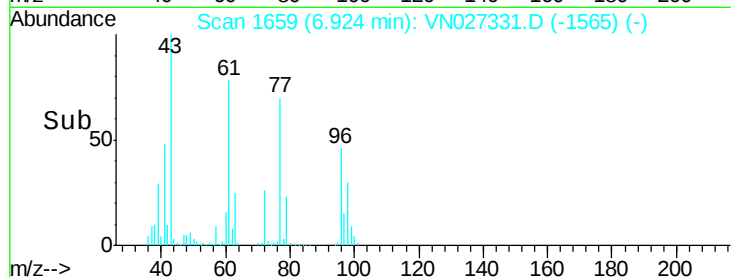
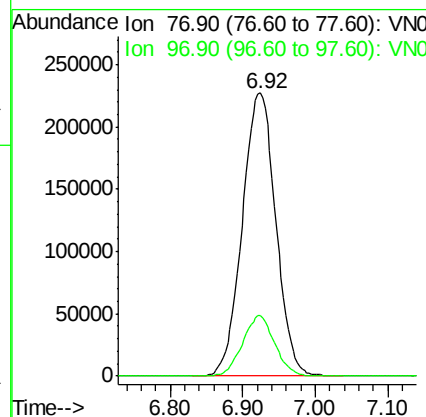
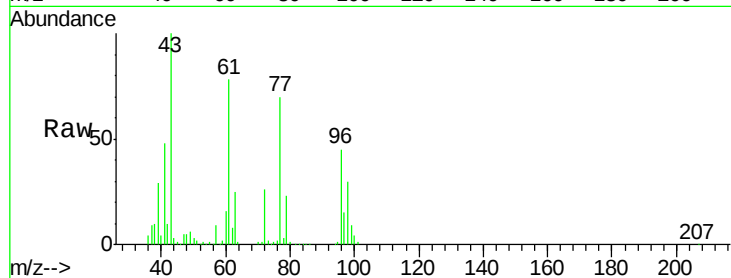
#27
 2,2-Dichloropropane
 Concen: 51.87 ug/l
 RT: 6.92 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VN027331.D
 Acq: 21 Sep 2015 13:39

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN092115

Tot Ion: 77 Resp: 728839
 Ion Ratio Lower Upper
 77 100
 97 20.6 11.8 35.3

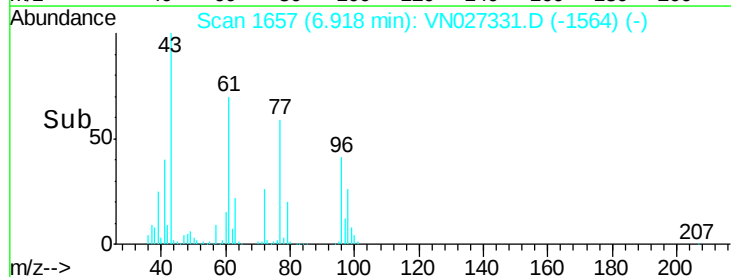
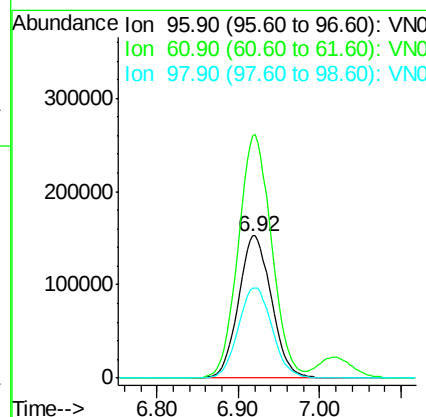
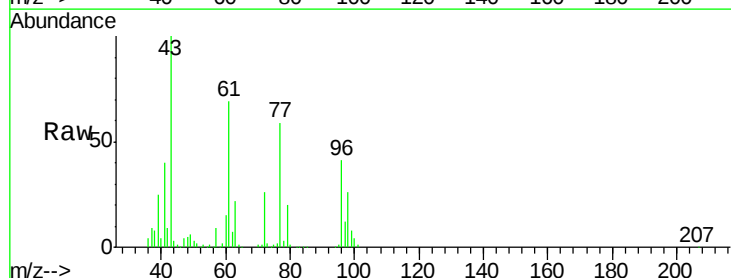
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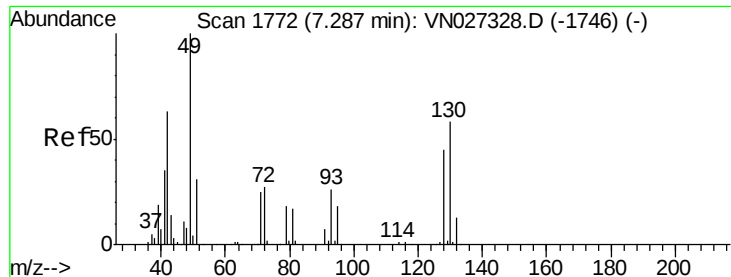
MMDadoda
 9/22/2015 2:28:08 PM



#28
 cis-1,2-Dichloroethene
 Concen: 50.04 ug/l
 RT: 6.92 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VN027331.D
 Acq: 21 Sep 2015 13:39

Tgt Ion: 96 Resp: 428871
 Ion Ratio Lower Upper
 96 100
 61 172.7 0.0 329.2
 98 65.0 0.0 126.0





#29

Bromochloromethane

Concen: 50.62 ug/l

RT: 7.29 min Scan# 1772

Delta R.T. 0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

Instrument :

MSVOA_N

ClientSampled :

ICVVN092115

Tot Ion: 49 Resp: 323908

Ion Ratio Lower Upper

49 100

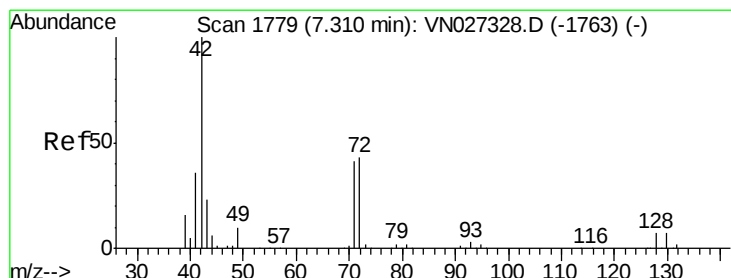
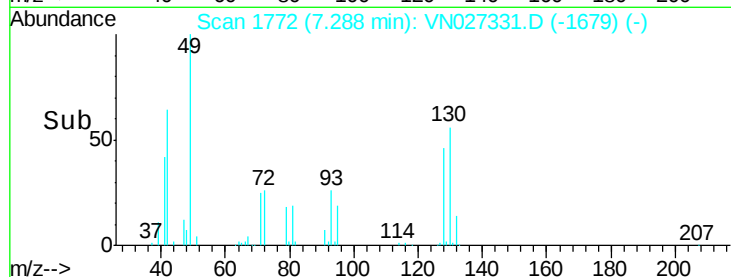
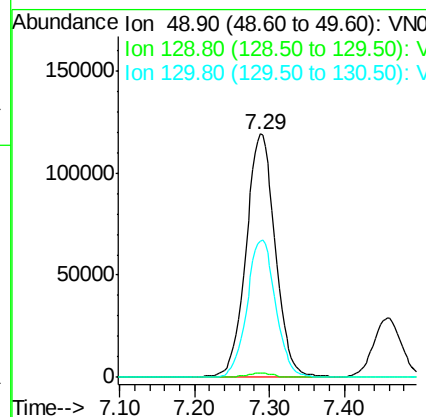
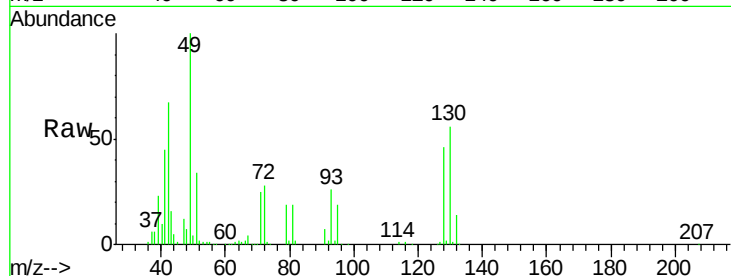
129 1.5 0.0 3.2

130 55.2 43.2 64.8

Manual Integrations
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#30

Tetrahydrofuran

Concen: 264.07 ug/l

RT: 7.31 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

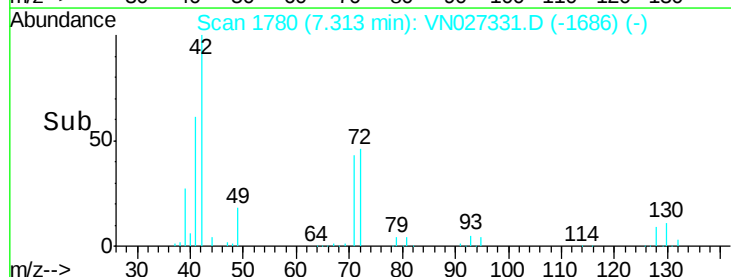
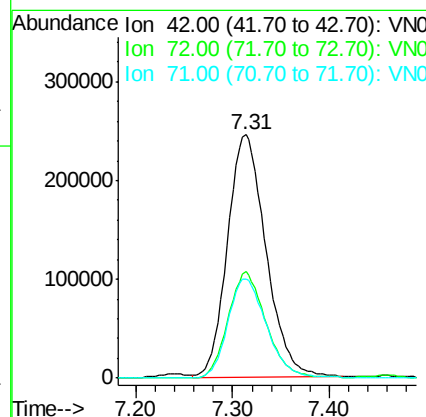
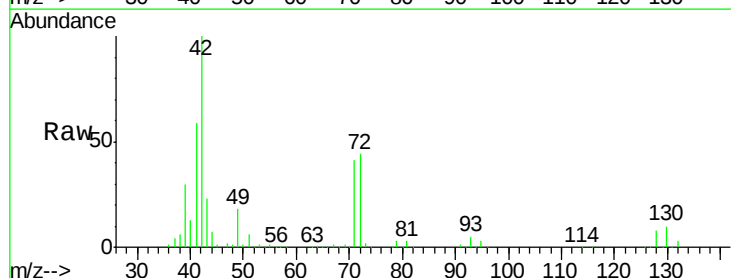
Tgt Ion: 42 Resp: 674570

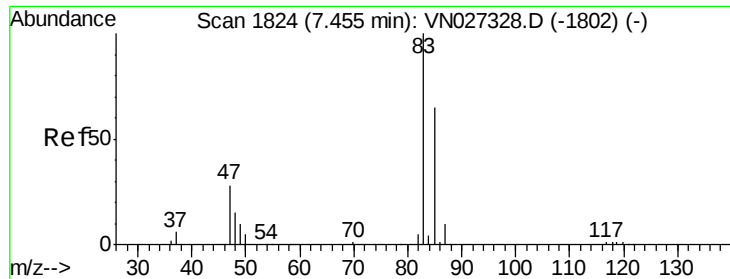
Ion Ratio Lower Upper

42 100

72 43.7 29.9 44.9

71 41.7 28.3 42.5





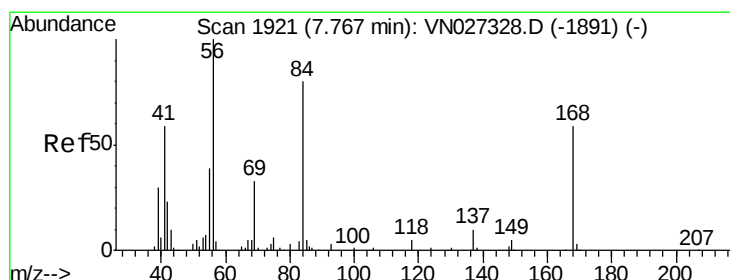
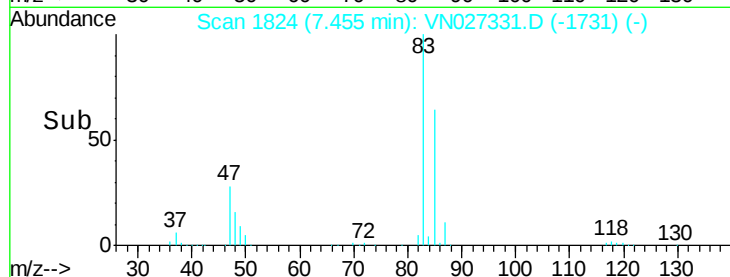
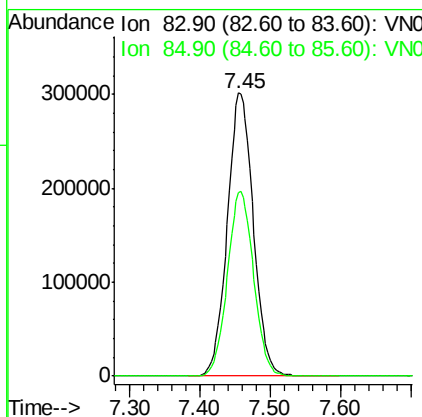
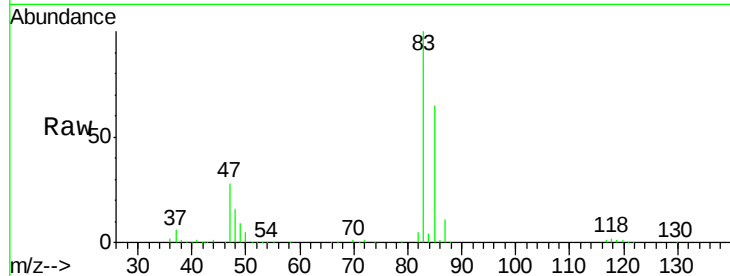
#31
Chloroform
Concen: 50.60 ug/l
RT: 7.45 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092115

Tot Ion	83	85	Ratio	Lower	Upper
775142	100	64.6		51.1	76.7

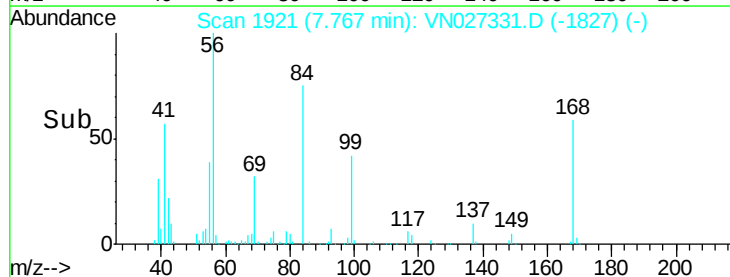
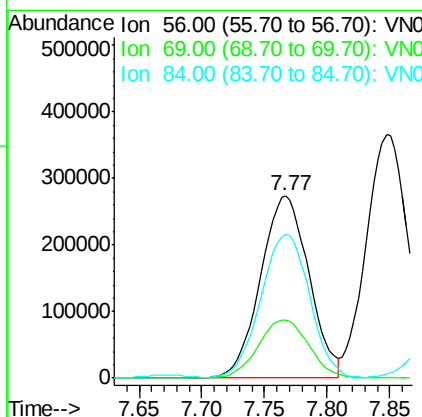
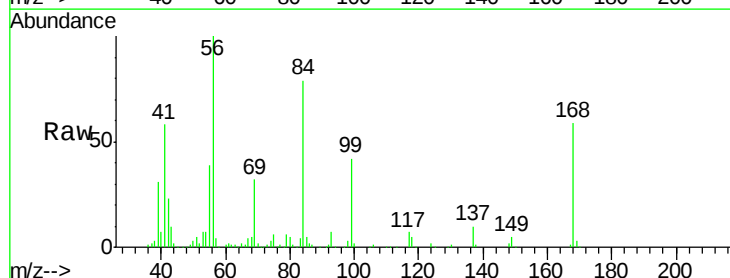
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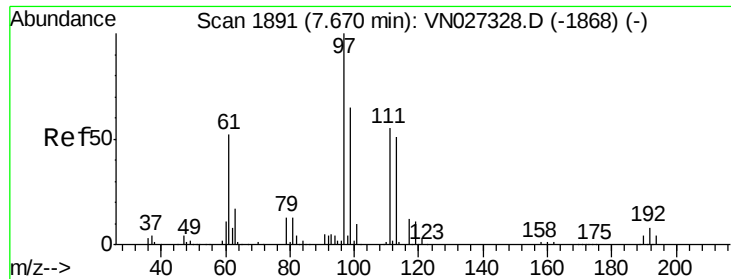
MMDadoda
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#32
Cyclohexane
Concen: 50.62 ug/l
RT: 7.77 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Tgt Ion	56	69	84	Ratio	Lower	Upper
734515	100	31.9	77.6		23.0	34.4
					57.8	86.8





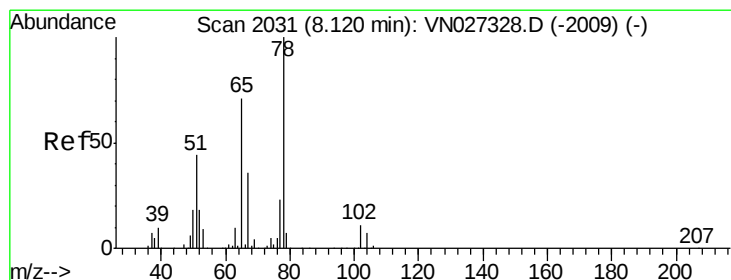
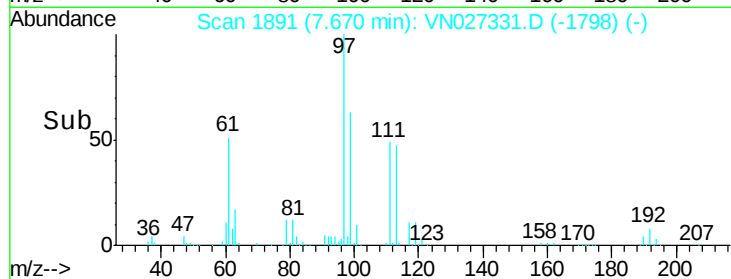
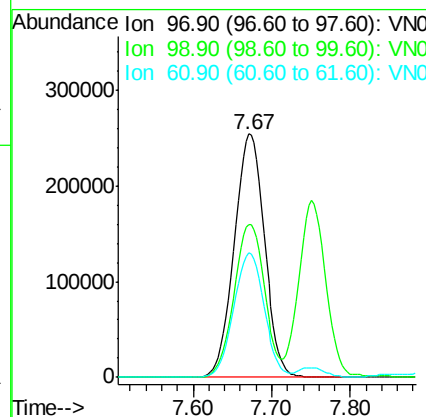
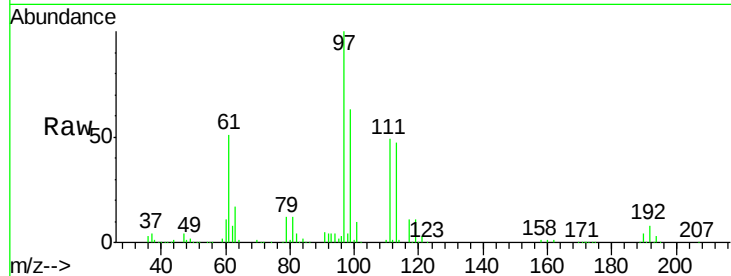
#33
 1,1,1-Trichloroethane
 Concen: 50.28 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN027331.D
 Acq: 21 Sep 2015 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092115

Tot Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.1	75.1
61	51.3	44.0	66.0

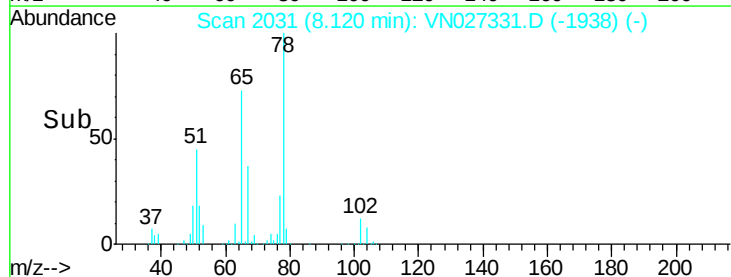
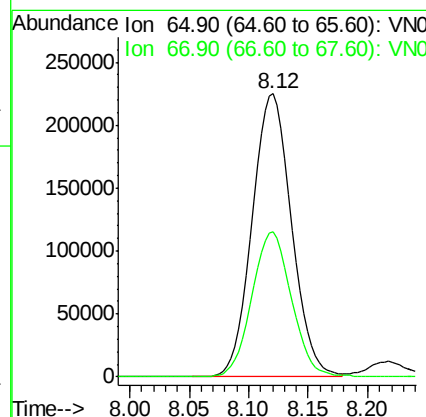
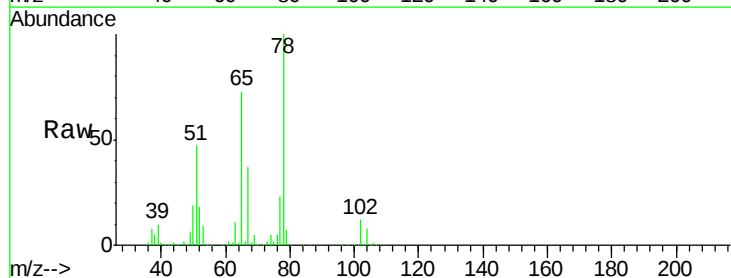
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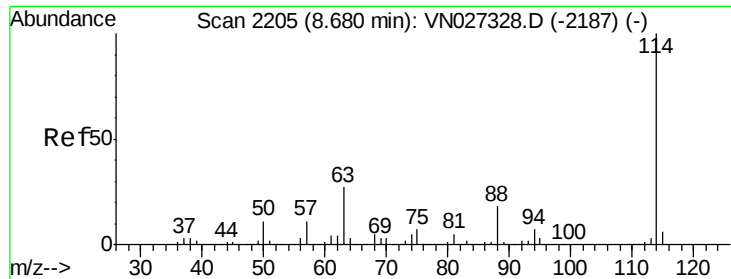
MMDadoda
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#34
 1,2-Dichloroethane-d4
 Concen: 45.70 ug/l
 RT: 8.12 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VN027331.D
 Acq: 21 Sep 2015 13:39

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	110.6





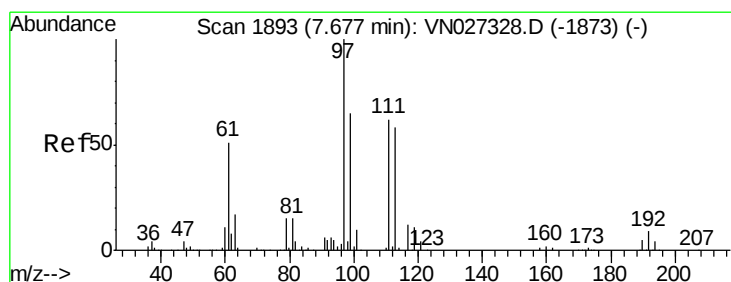
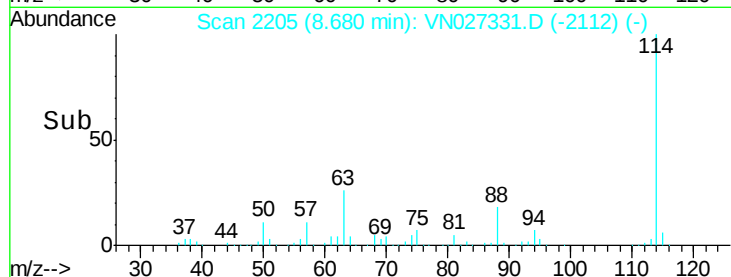
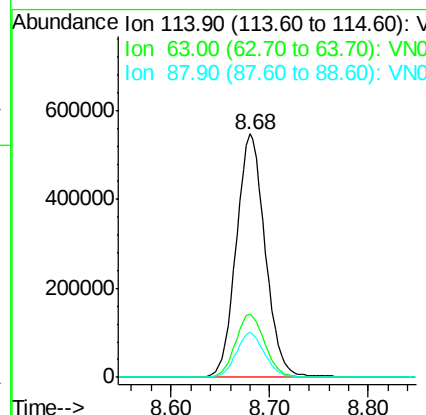
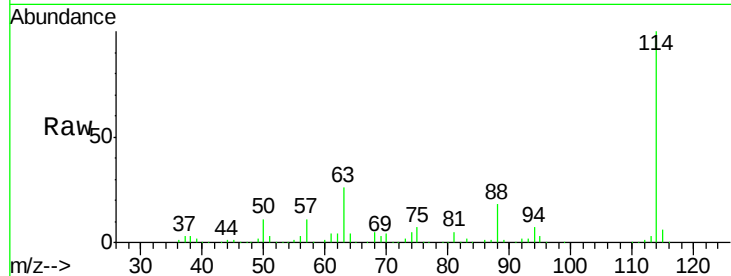
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027331.D
 Acq: 21 Sep 2015 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092115

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.8	0.0	48.8
88	18.3	0.0	32.2

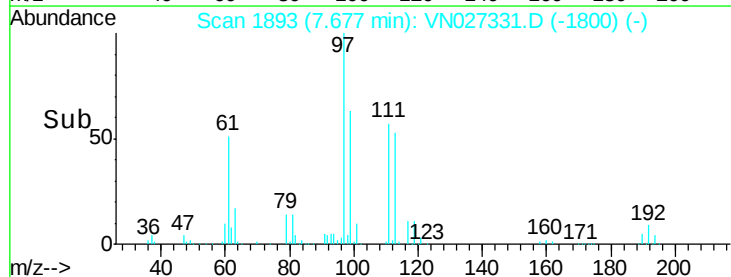
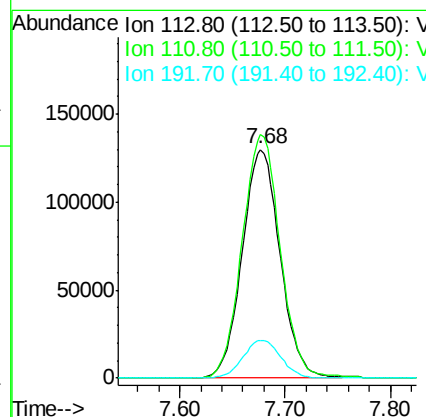
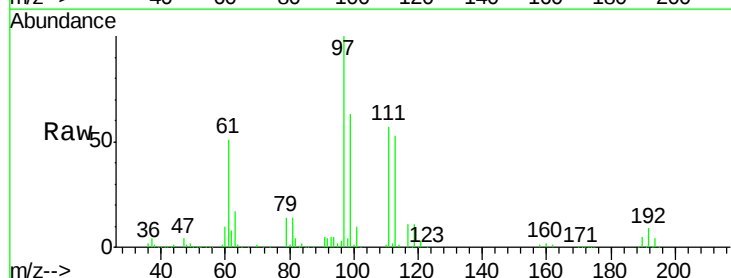
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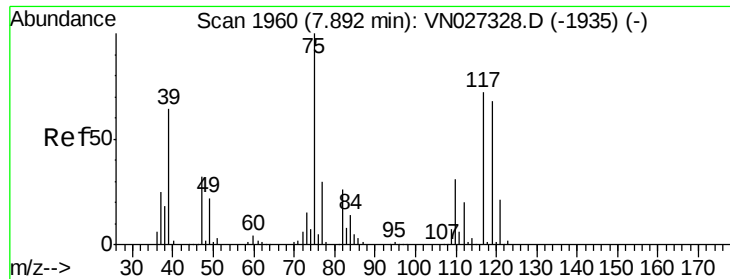
MMDadoda
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#36
 Dibromofluoromethane
 Concen: 44.70 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027331.D
 Acq: 21 Sep 2015 13:39

Tgt Ion	Ratio	Lower	Upper
113	100		
111	107.6	83.0	124.4
192	16.6	14.1	21.1





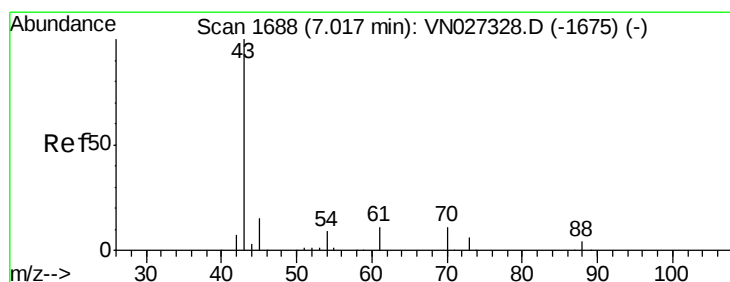
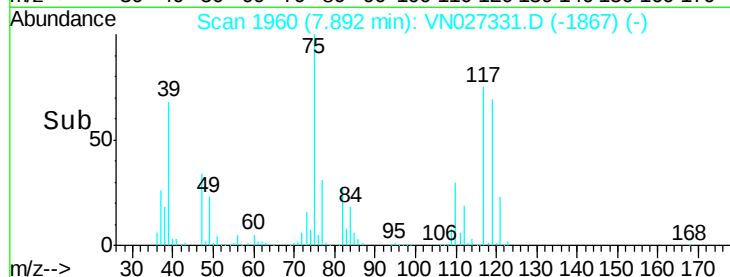
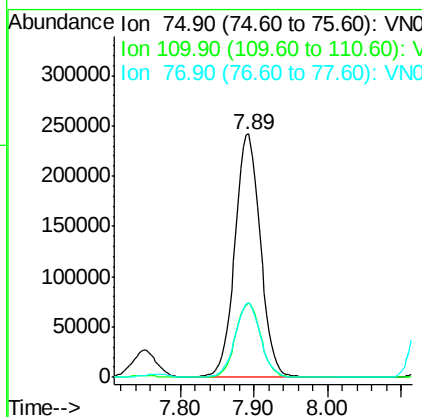
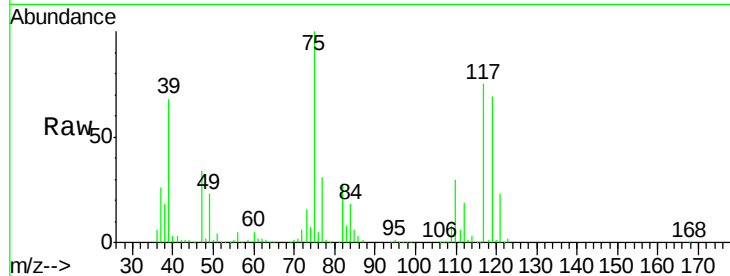
#37
 1,1-Dichloropropene
 Concen: 48.71 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VN027331.D
 Acq: 21 Sep 2015 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092115

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	30.2	15.9	47.7	
77	30.2	24.9	37.3	

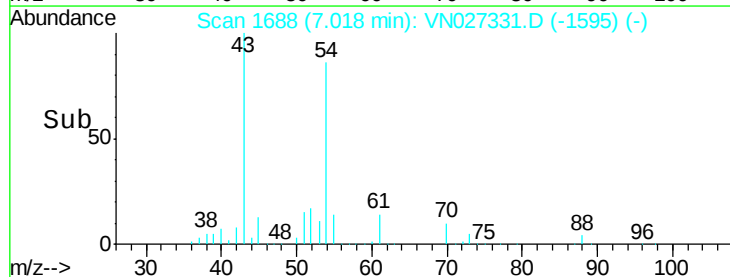
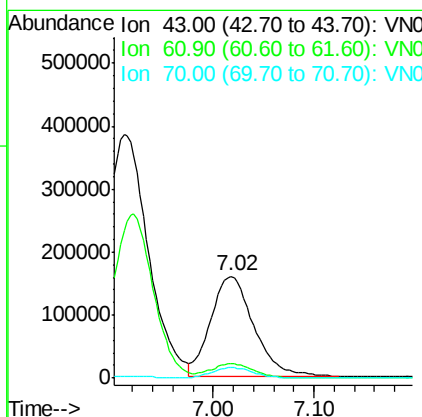
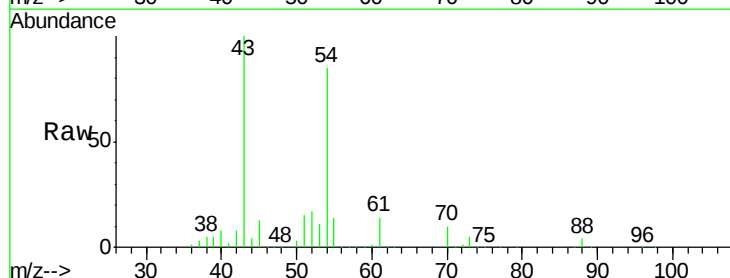
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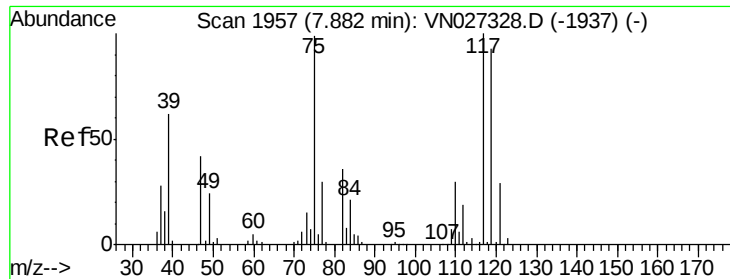
MMDadoda
 9/22/2015 2:28:08 PM



#38
 Ethyl Acetate
 Concen: 51.49 ug/l
 RT: 7.02 min Scan# 1688
 Delta R.T. 0.00 min
 Lab File: VN027331.D
 Acq: 21 Sep 2015 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.7	10.2	15.4	
70	9.9	7.4	11.0	





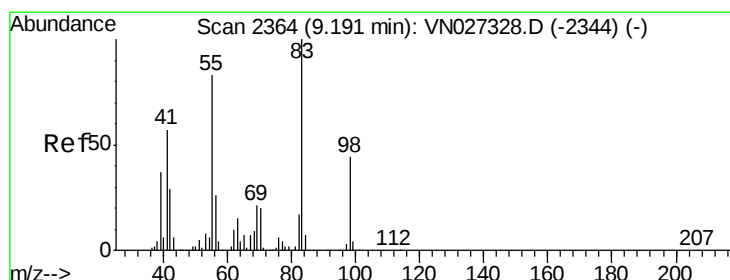
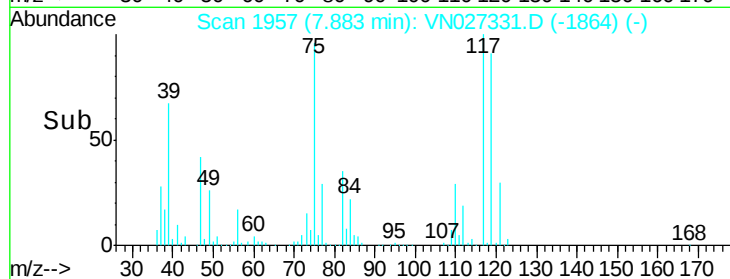
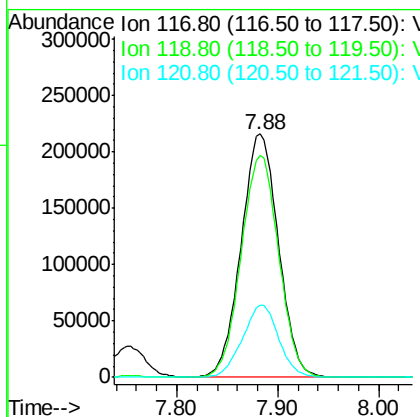
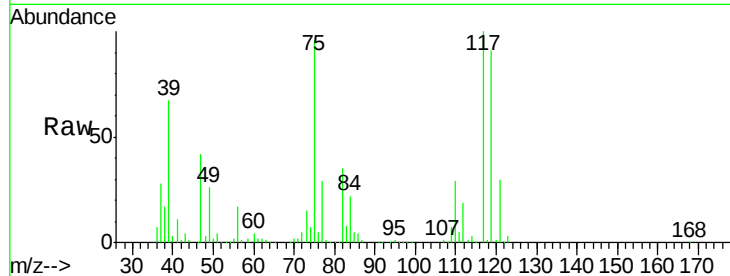
#39
Carbon Tetrachloride
Concen: 49.10 ug/l
RT: 7.88 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092115

Tot Ion	Ratio	Lower	Upper
117	100		
119	91.4	75.3	112.9
121	29.6	23.8	35.8

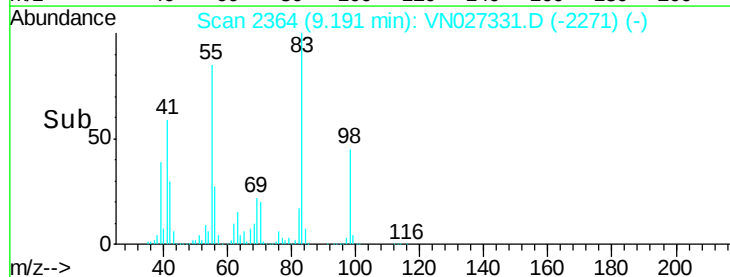
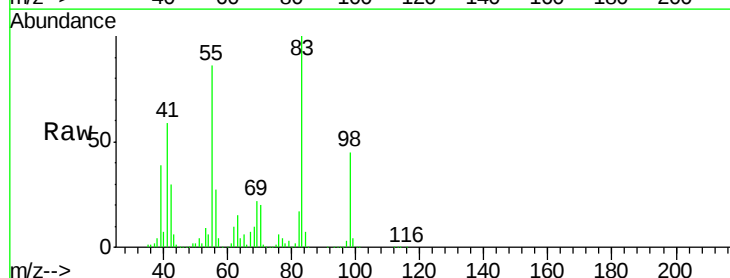
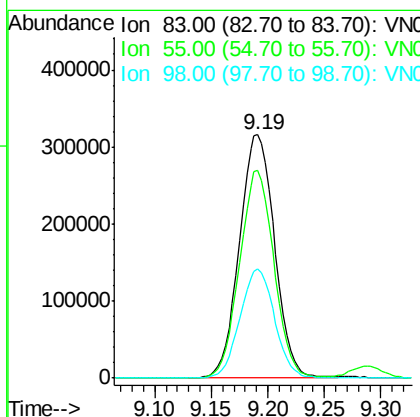
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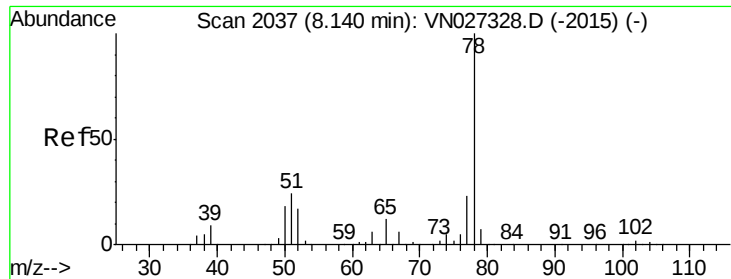
MMDadoda
9/22/2015 2:28:08 PM



#40
Methylcyclohexane
Concen: 48.21 ug/l
RT: 9.19 min Scan# 2364
Delta R.T. 0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.5	69.8	104.8
98	44.7	34.3	51.5





#41

Benzene

Concen: 48.63 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092115

Tot Ion: 78 Resp: 1688125

Ion Ratio Lower Upper

78 100

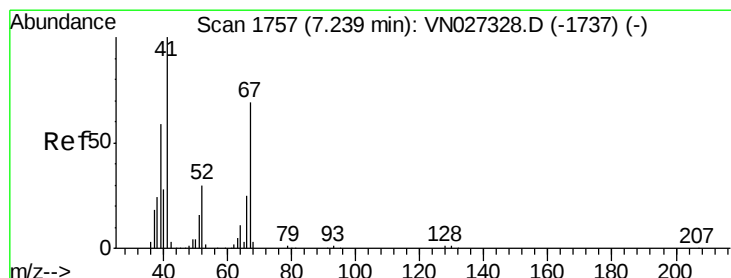
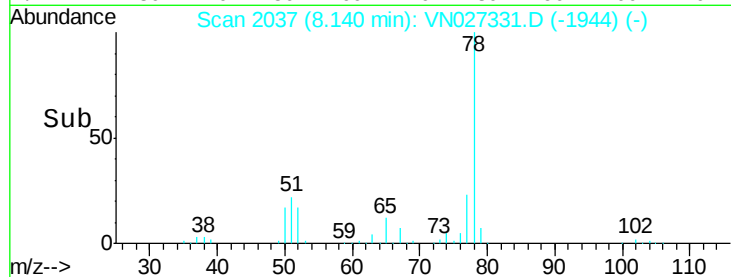
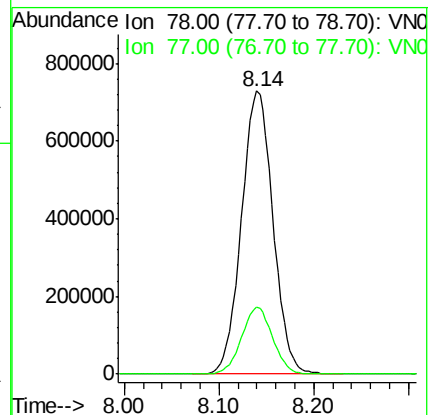
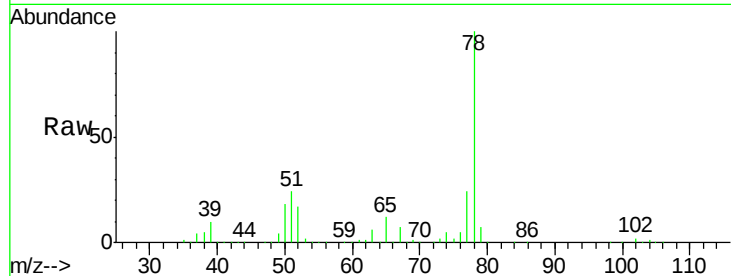
77 23.6 19.0 28.4

Manual Integrations

APPROVED

MMDadoda

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#42

Methacrylonitrile

Concen: 50.55 ug/l

RT: 7.24 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

Tgt Ion: 41 Resp: 275624

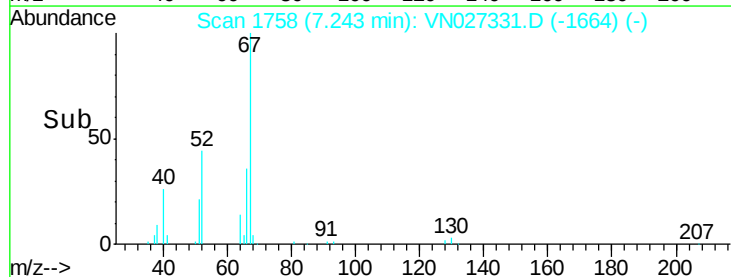
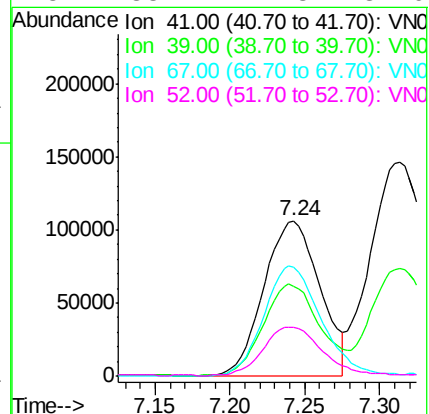
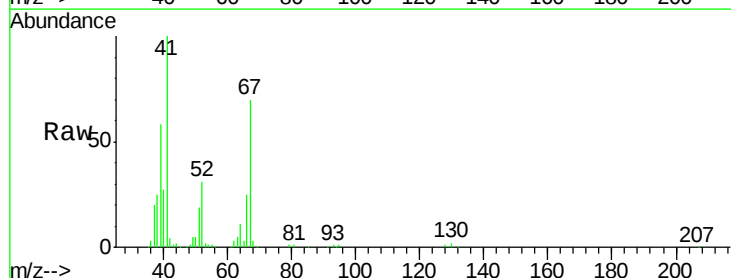
Ion Ratio Lower Upper

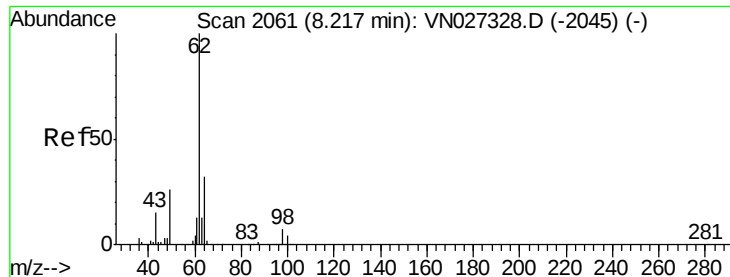
41 100

39 60.1 43.0 64.6

67 72.5 52.2 78.2

52 33.1 21.3 31.9#





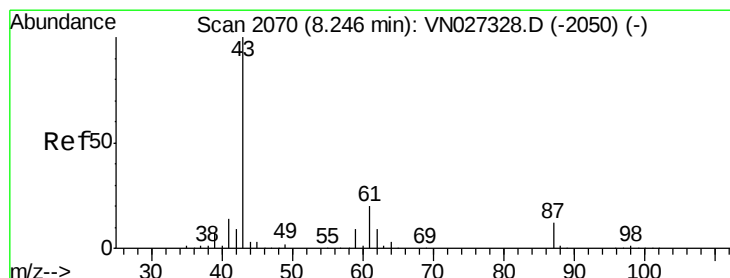
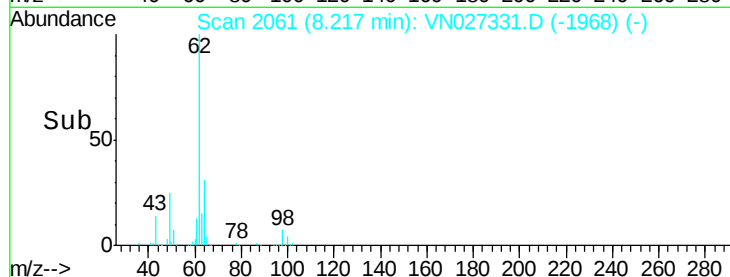
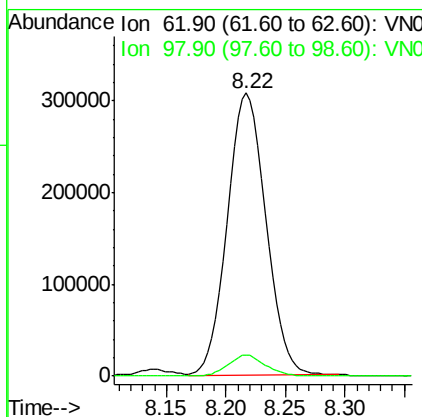
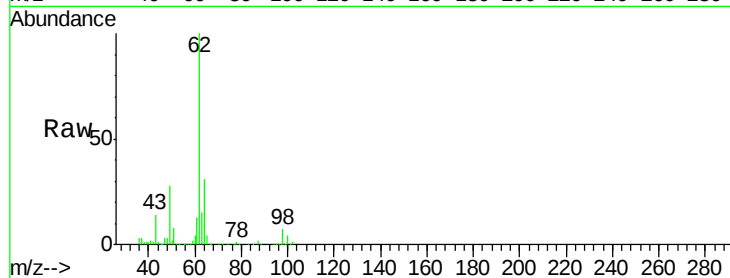
#43
 1,2-Dichloroethane
 Concen: 49.07 ug/l
 RT: 8.22 min Scan# 2061
 Delta R.T. 0.00 min
 Lab File: VN027331.D
 Acq: 21 Sep 2015 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092115

Tot Ion	Ratio	Resp	Lower	Upper
62	100	694420		
98	7.2	0.0	18.0	

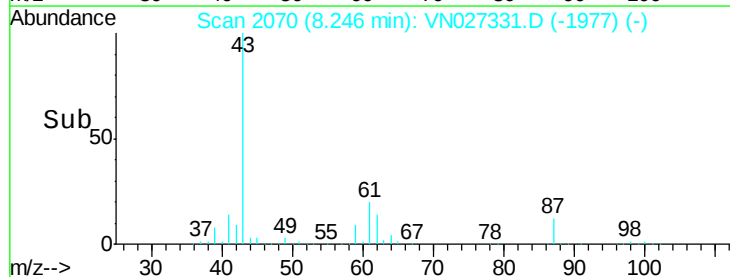
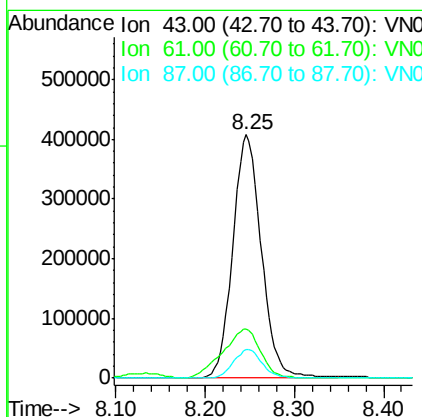
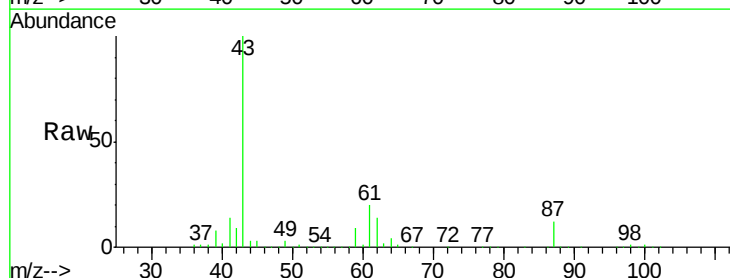
Manual Integrations
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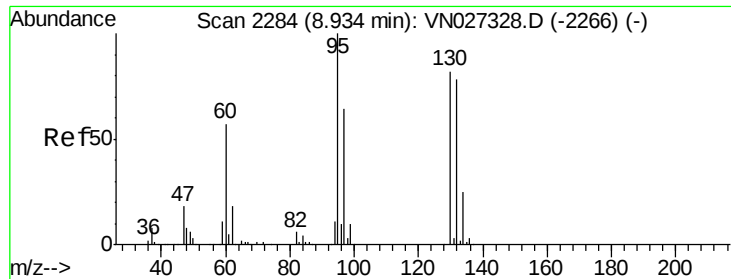
MMDadoda
 9/22/2015 2:28:08 PM



#44
 Isopropyl Acetate
 Concen: 51.08 ug/l
 RT: 8.25 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VN027331.D
 Acq: 21 Sep 2015 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	901746		
61	26.2	20.6	31.0	
87	11.9	8.6	13.0	





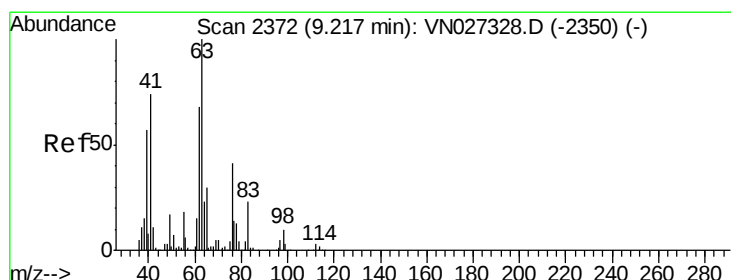
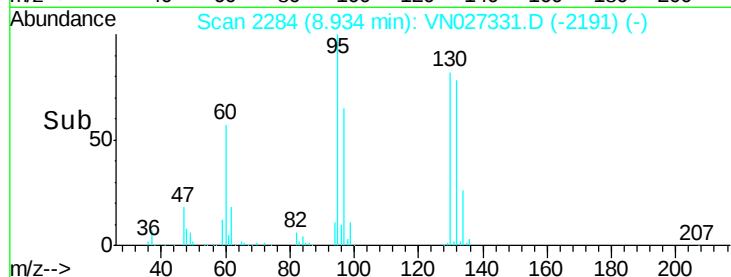
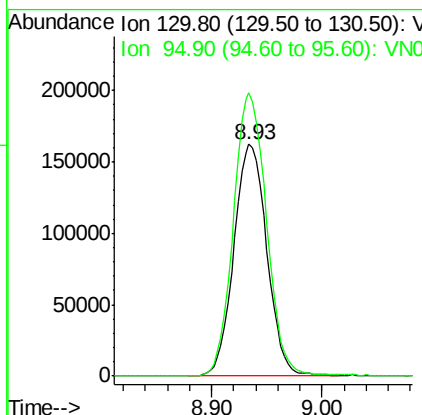
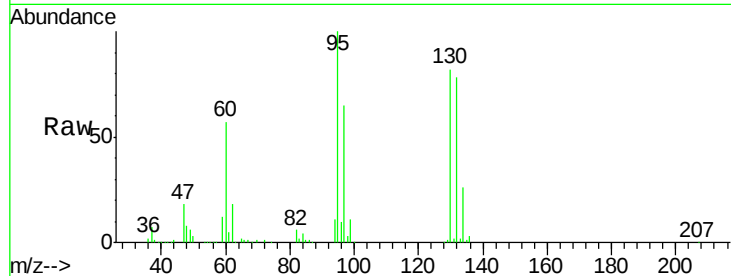
#45
 Trichloroethene
 Concen: 48.51 ug/l
 RT: 8.93 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN027331.D
 Acq: 21 Sep 2015 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092115

Tot Ion	Ratio	Resp	Lower	Upper
130	100			
95	122.1	0.0	222.2	

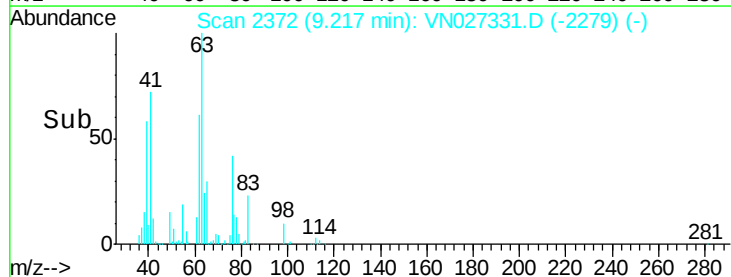
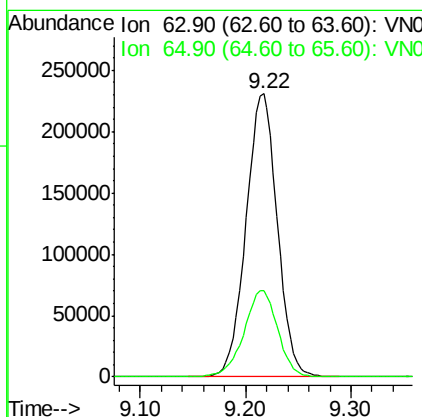
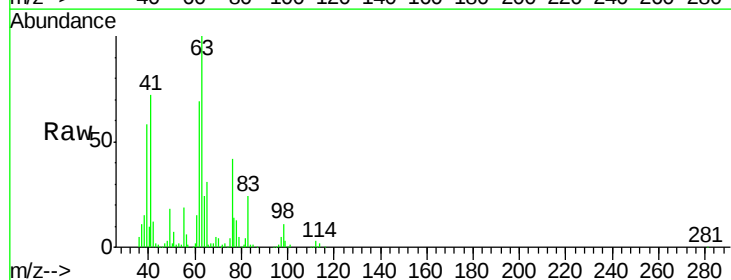
Manual Integrations
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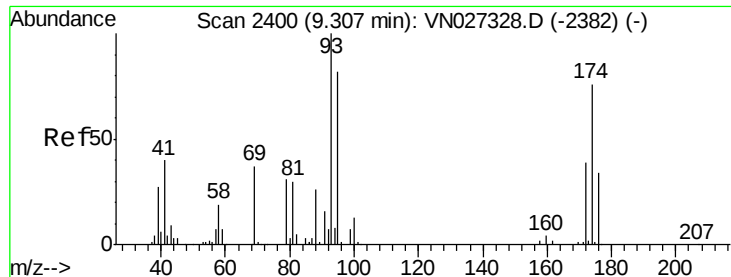
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#46
 1,2-Dichloropropane
 Concen: 49.13 ug/l
 RT: 9.22 min Scan# 2372
 Delta R.T. 0.00 min
 Lab File: VN027331.D
 Acq: 21 Sep 2015 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
63	100			
65	30.4	24.4	36.6	





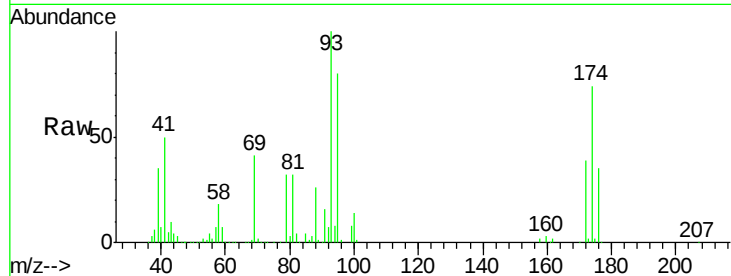
#47
Dibromomethane
Concen: 48.81 ug/l
RT: 9.31 min Scan# 2400
Delta R.T. 0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092115

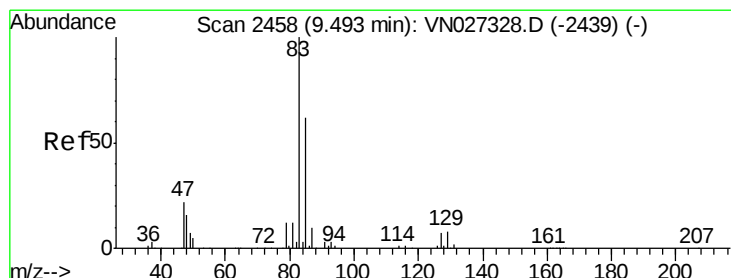
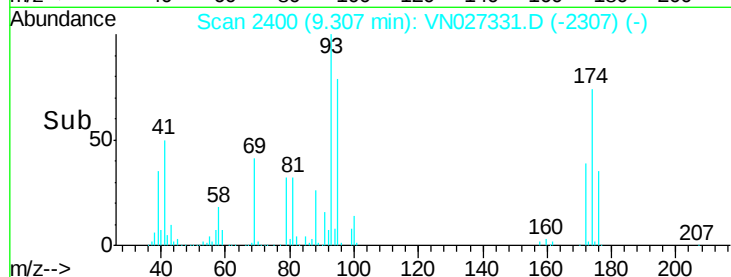
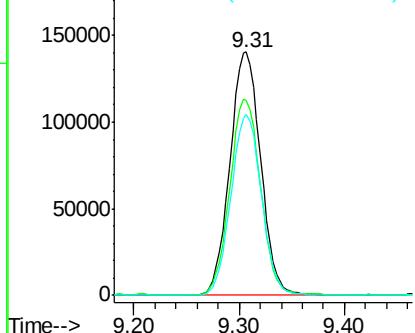
Tot Ion	Ratio	Resp	Lower	Upper
93	100	284655		
95	80.8	66.3	99.5	
174	73.8	67.8	101.6	

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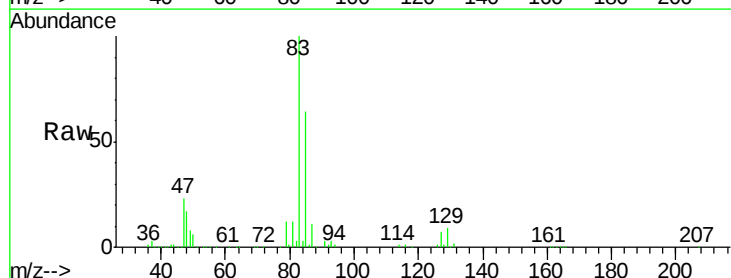


Abundance Ion 92.80 (92.50 to 93.50): VN0
Ion 94.80 (94.50 to 95.50): VN0
Ion 173.70 (173.40 to 174.40): V

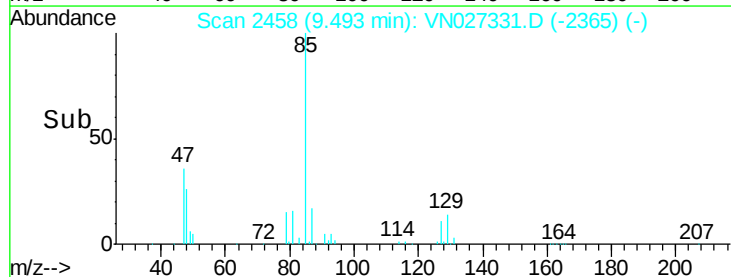
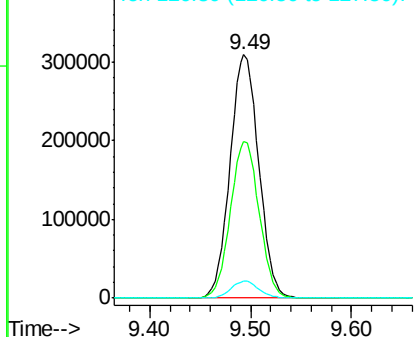


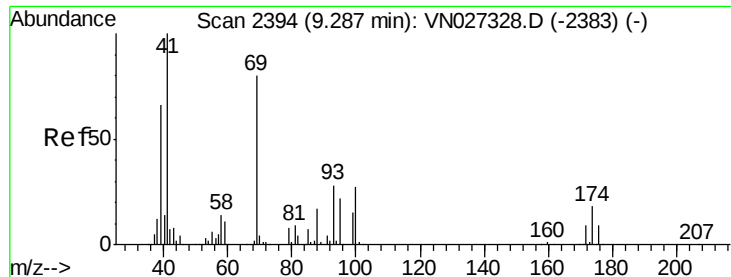
#48
Bromodichloromethane
Concen: 49.58 ug/l
RT: 9.49 min Scan# 2458
Delta R.T. 0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	613133		
85	64.3	50.7	76.1	
127	6.9	5.5	8.3	



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V





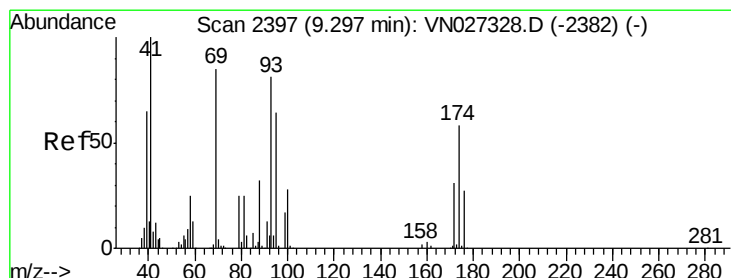
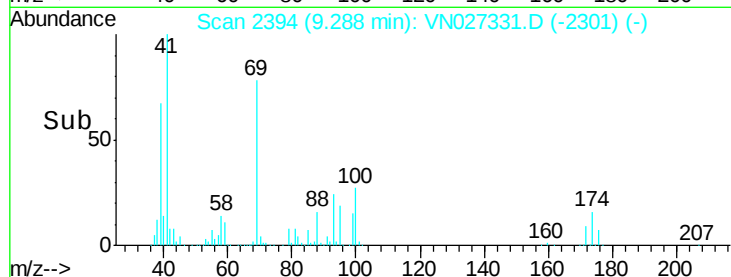
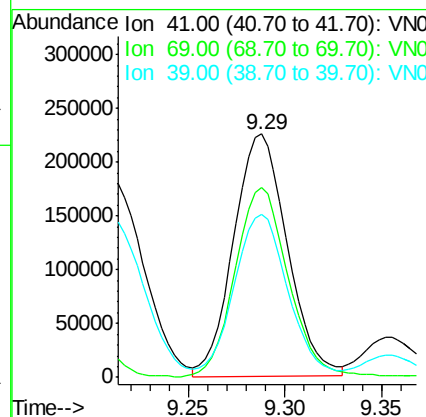
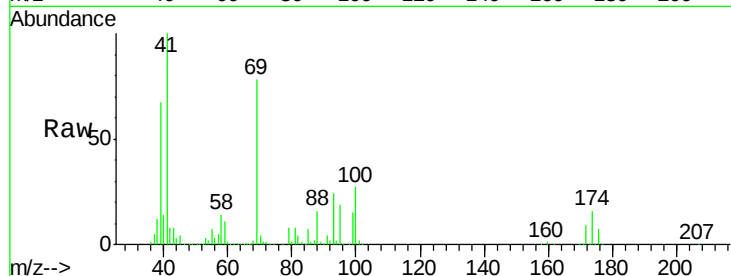
#49
Methvl methacrylate
Concen: 52.32 ug/l
RT: 9.29 min Scan# 2394
Delta R.T. 0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092115

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
69	78.4	59.3	88.9	
39	67.3	39.5	59.3#	

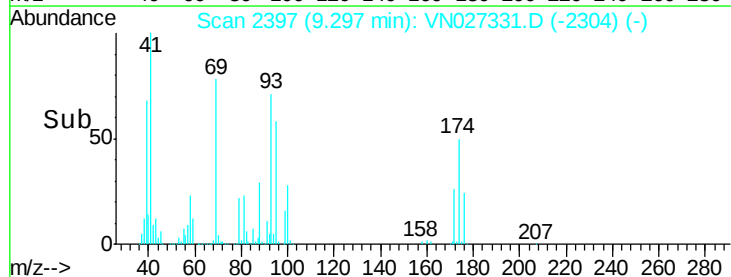
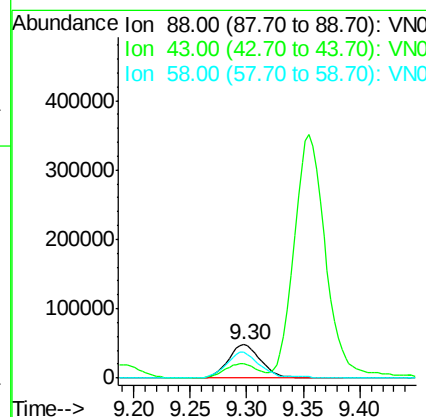
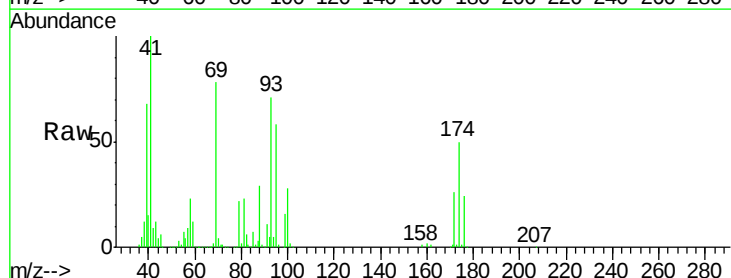
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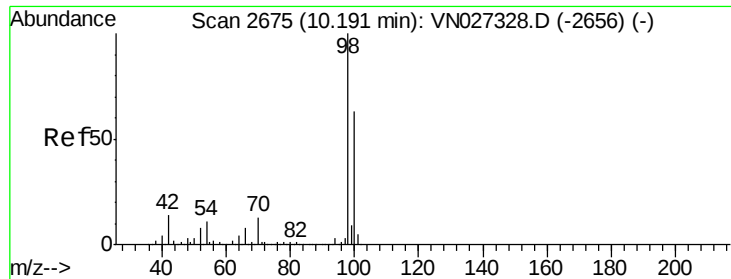
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#50
1,4-Dioxane
Concen: 977.03 ug/l
RT: 9.30 min Scan# 2397
Delta R.T. 0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
88	100			
43	40.2	27.6	41.4	
58	80.5	63.1	94.7	





#51

Toluene-d8

Concen: 45.15 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092115

Tot Ion: 98 Resp: 1263898

Ion Ratio Lower Upper

98 100

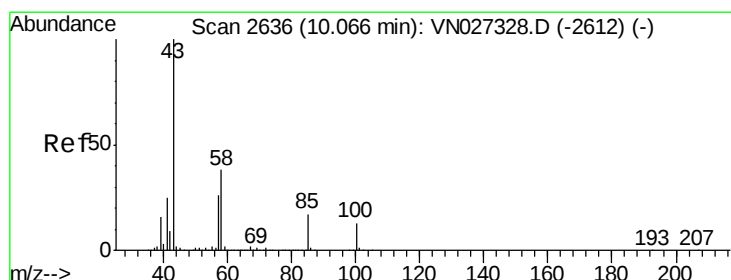
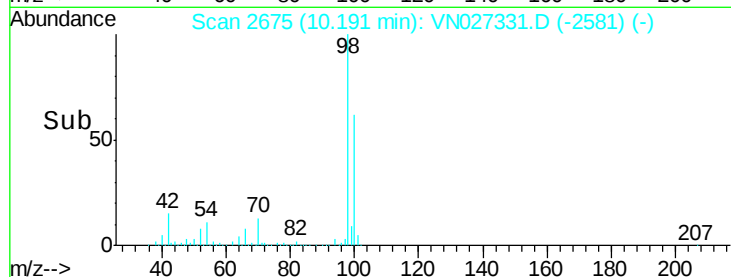
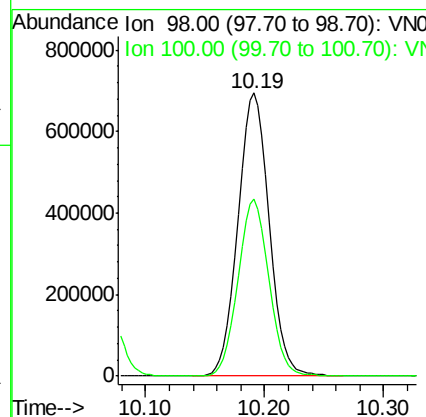
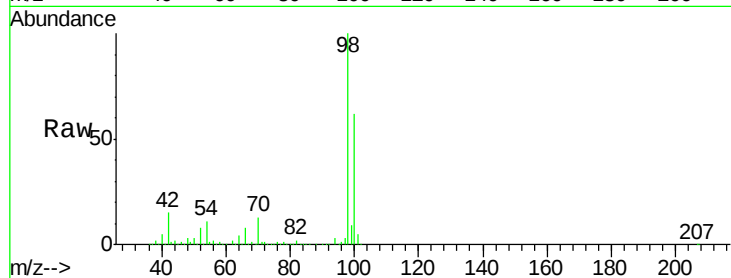
100 62.0 50.5 75.7

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#52

4-Methyl-2-Pentanone

Concen: 254.43 ug/l

RT: 10.07 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VN027331.D

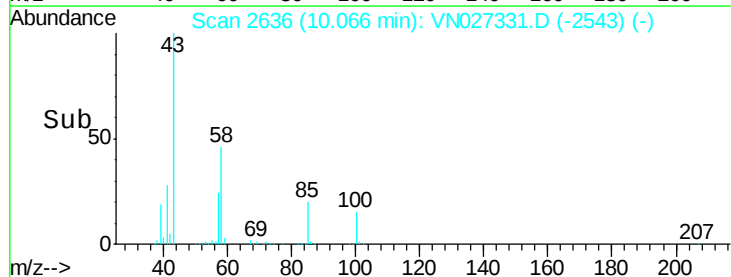
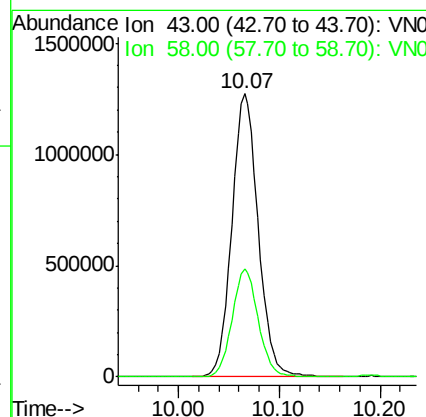
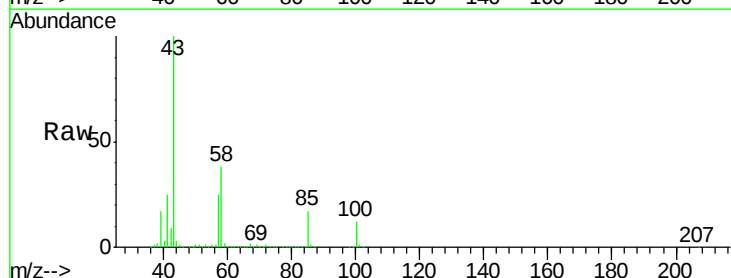
Acq: 21 Sep 2015 13:39

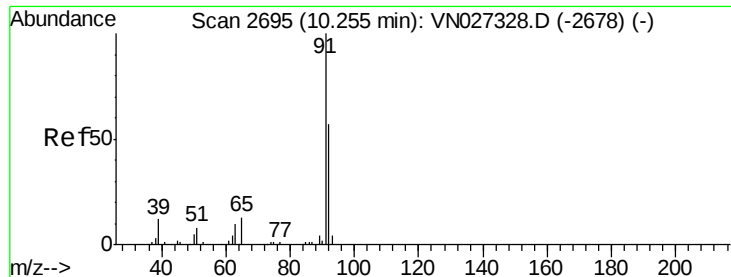
Tgt Ion: 43 Resp: 2310083

Ion Ratio Lower Upper

43 100

58 37.9 29.8 44.8





#53

Toluene

Concen: 47.91 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092115

Tot Ion: 92 Resp: 983774

Ion Ratio Lower Upper

92 100

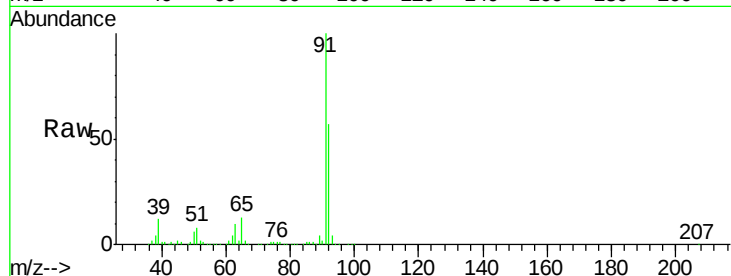
91 175.1 141.4 212.2

Manual Integrations

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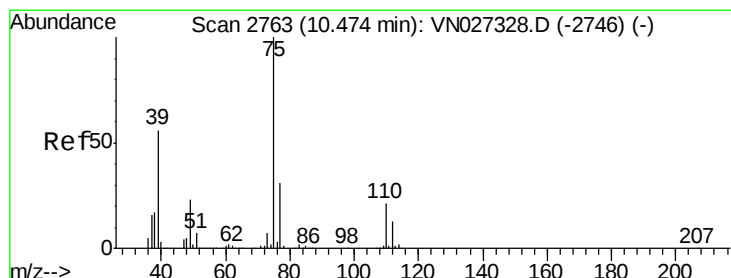
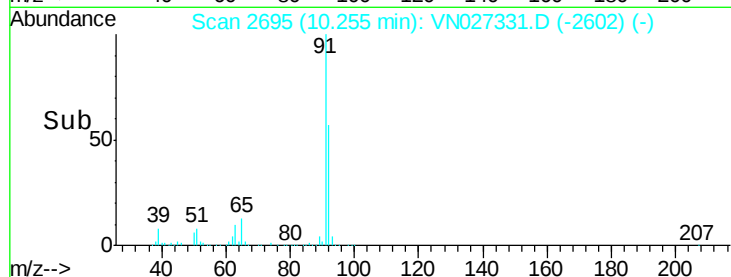
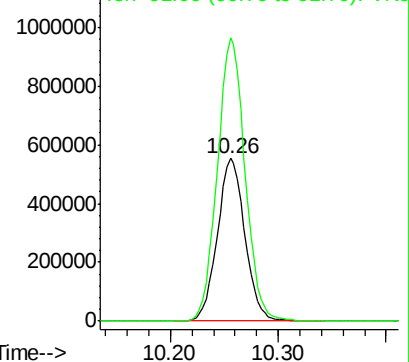
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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

t-1,3-Dichloropropene

Concen: 50.55 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027331.D

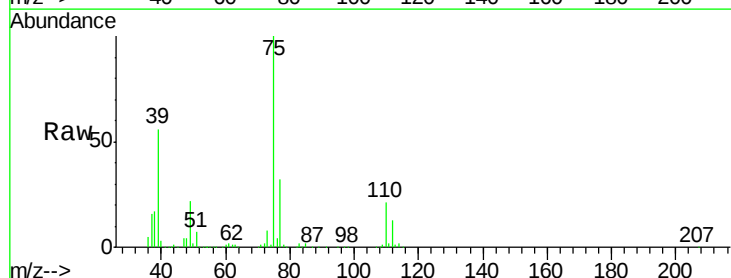
Acq: 21 Sep 2015 13:39

Tgt Ion: 75 Resp: 667430

Ion Ratio Lower Upper

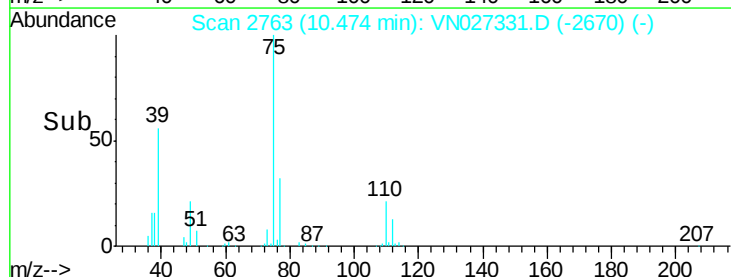
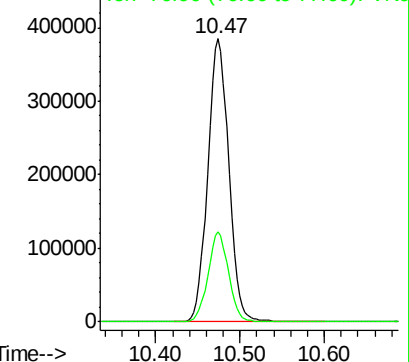
75 100

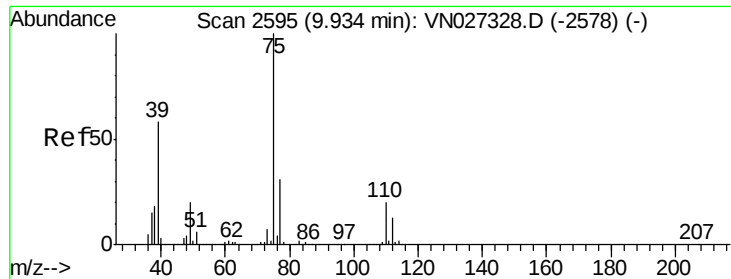
77 31.8 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#55

cis-1,3-Dichloropropene

Concen: 49.87 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. 0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

Instrument :

MSVOA_N

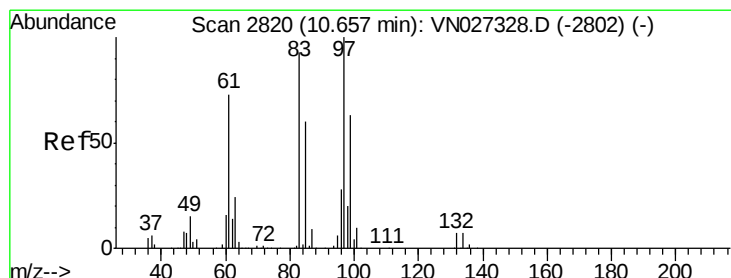
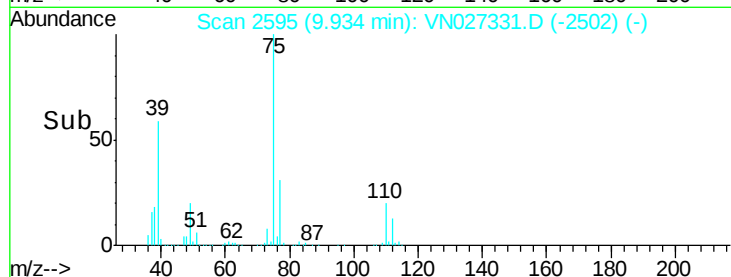
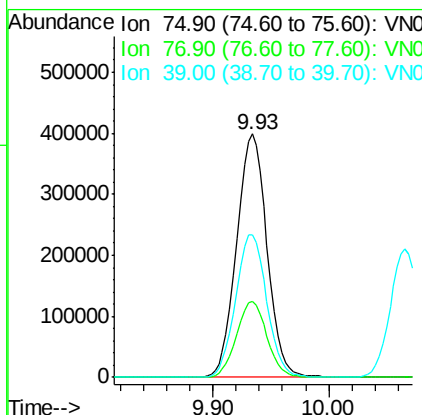
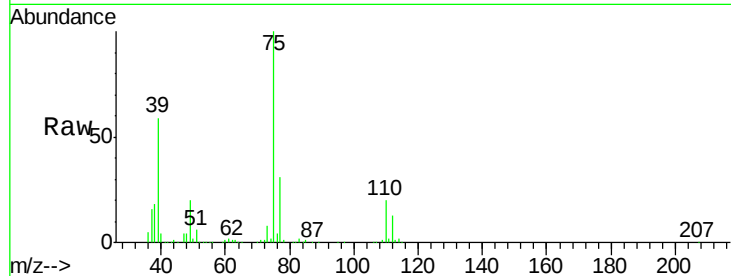
ClientSampled :

ICVVN092115

Tot Ion:	75	Resp:	723289
Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.6	38.4
39	58.7	41.6	62.4

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#56

1,1,2-Trichloroethane

Concen: 49.25 ug/l

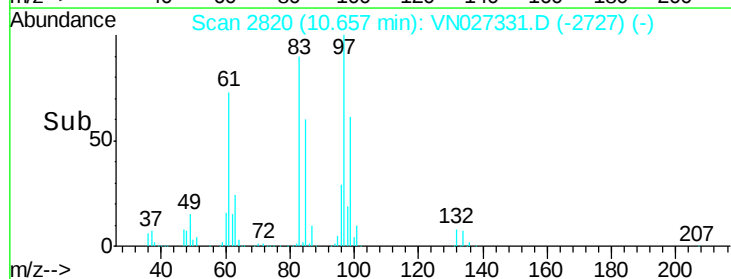
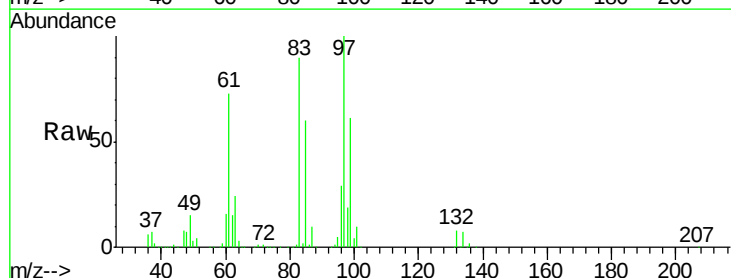
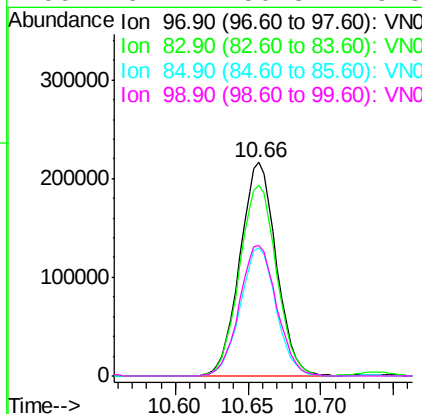
RT: 10.66 min Scan# 2820

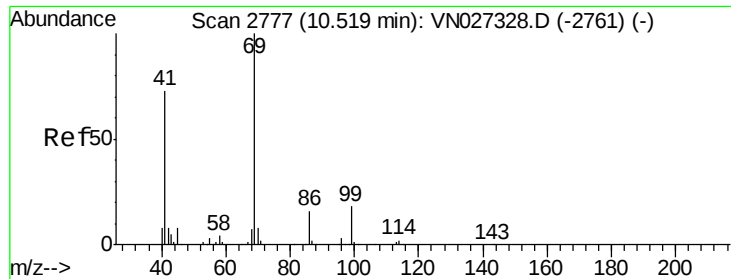
Delta R.T. 0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

Tgt Ion:	97	Resp:	377146
Ion	Ratio	Lower	Upper
97	100		
83	89.6	75.0	112.4
85	59.9	48.0	72.0
99	61.4	50.3	75.5





#57

Ethyl methacrylate

Concen: 50.37 ug/l

RT: 10.52 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

Instrument :

MSVOA_N

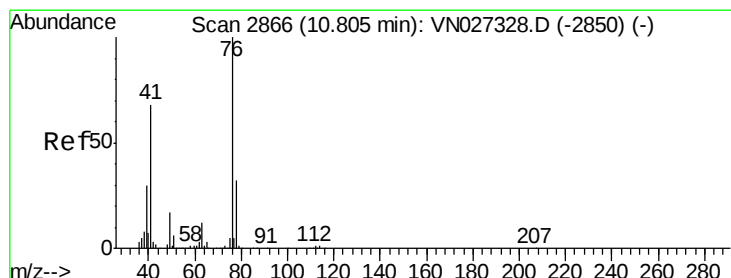
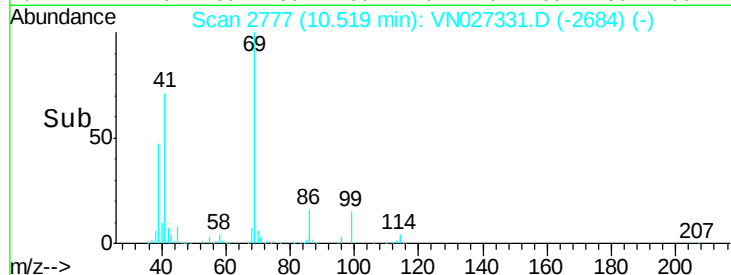
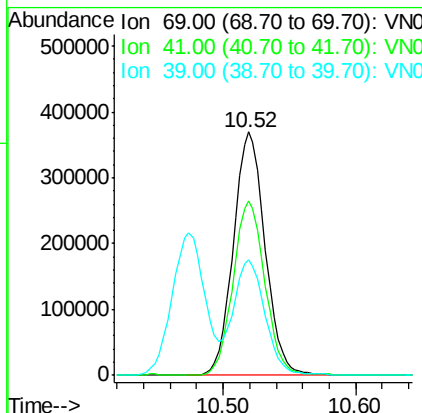
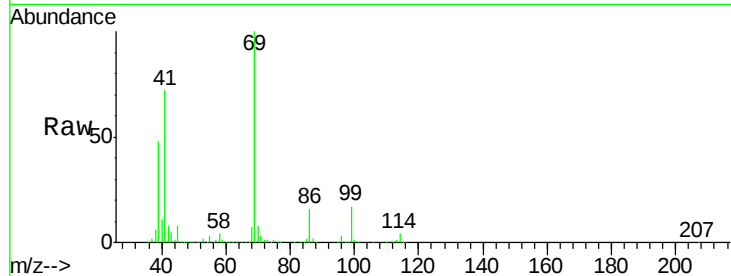
ClientSampleId :

ICVVN092115

Tot Ion	Ratio	Lower	Upper
69	100		
41	71.3	61.3	91.9
39	47.5	28.4	42.6

Manual Integrations
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#58

1,3-Dichloropropane

Concen: 49.07 ug/l

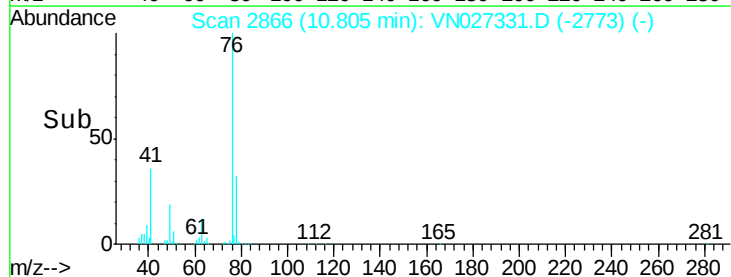
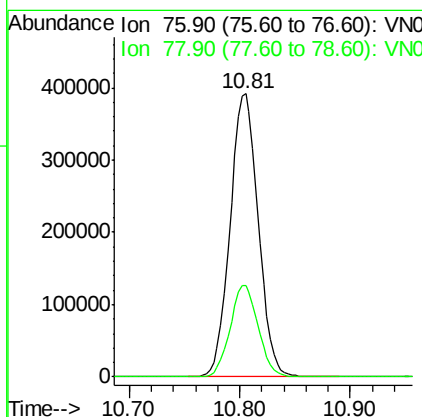
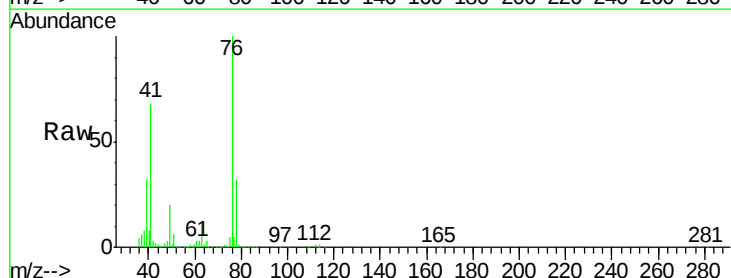
RT: 10.81 min Scan# 2866

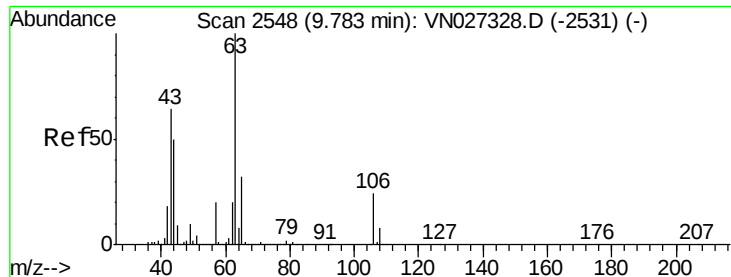
Delta R.T. 0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.0	37.6





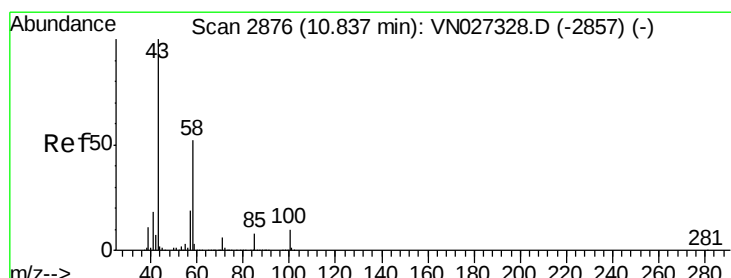
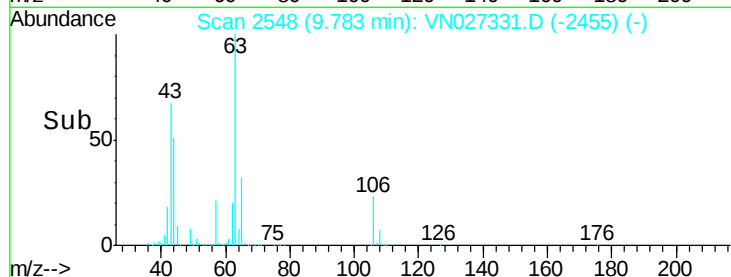
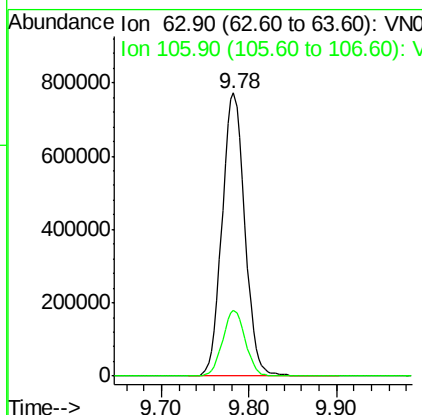
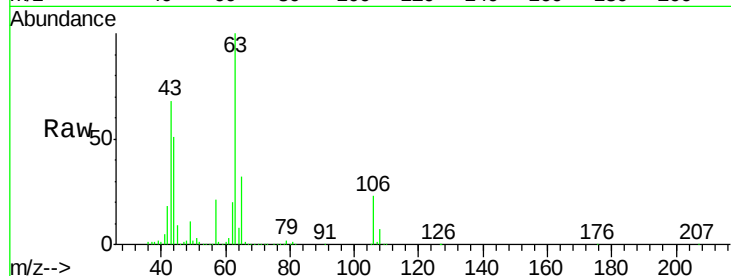
#59
2-Chloroethyl Vinyl ether
Concen: 258.71 ug/l
RT: 9.78 min Scan# 2548
Delta R.T. 0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092115

Tot Ion: 63 Resp: 1393475
Ion Ratio Lower Upper
63 100
106 23.2 17.7 26.5

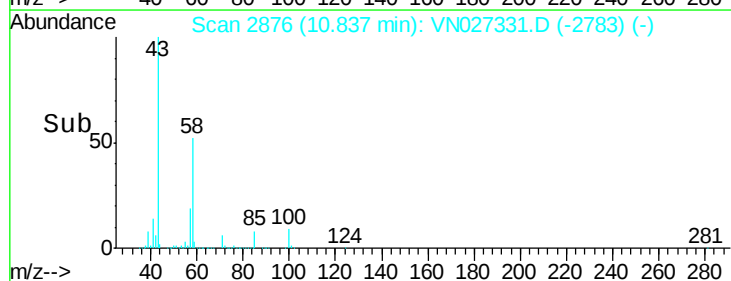
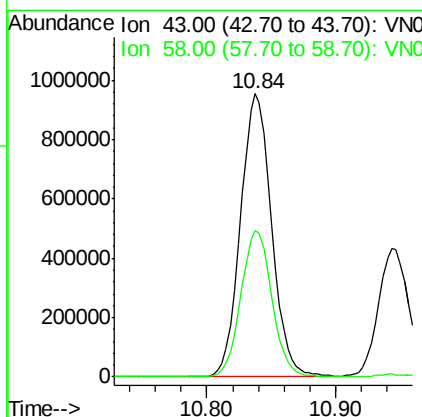
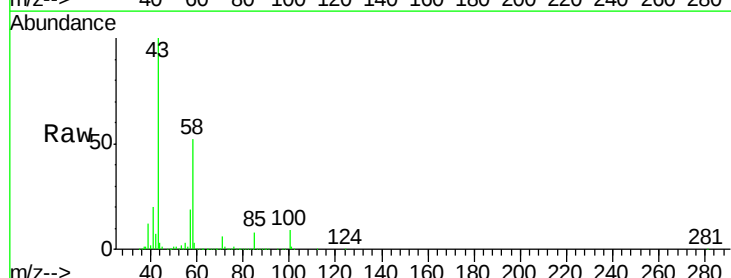
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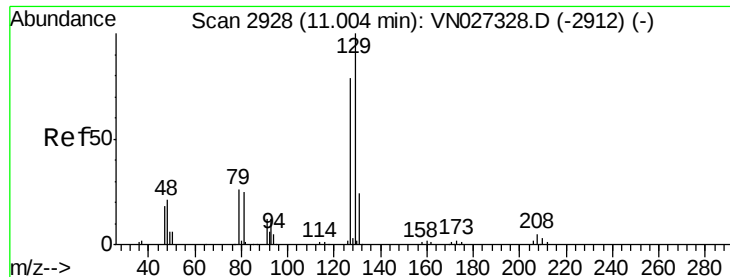
MMDadoda
9/22/2015 2:28:08 PM



#60
2-Hexanone
Concen: 258.87 ug/l
RT: 10.84 min Scan# 2876
Delta R.T. 0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Tgt Ion: 43 Resp: 1597371
Ion Ratio Lower Upper
43 100
58 51.9 26.2 78.5





#61

Dibromochloromethane

Concen: 50.56 ug/l

RT: 11.00 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

Instrument :

MSVOA_N

ClientSampled :

ICVVN092115

Tot Ion:129 Resp: 379178

Ion Ratio Lower Upper

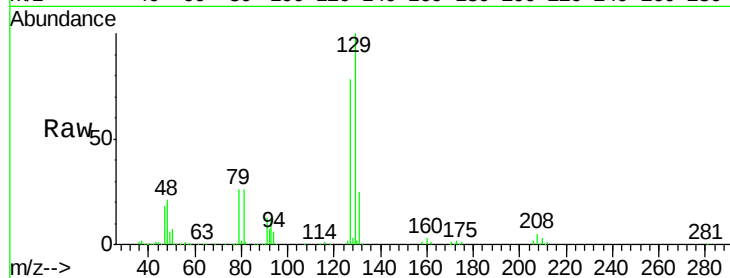
129 100

127 77.7 39.1 117.2

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.00

200000

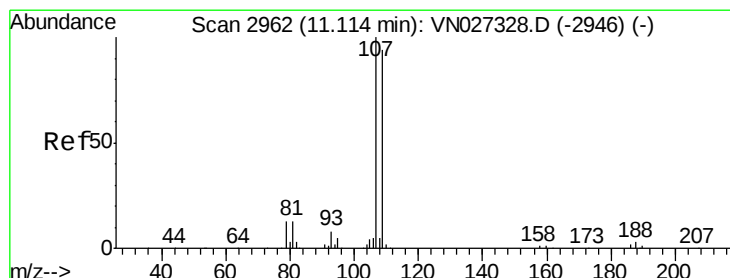
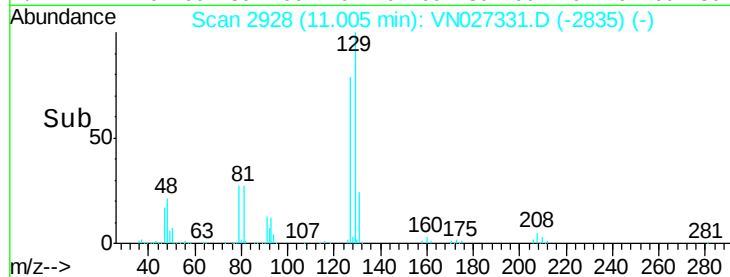
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

1,2-Dibromoethane

Concen: 49.93 ug/l

RT: 11.11 min Scan# 2962

Delta R.T. 0.00 min

Lab File: VN027331.D

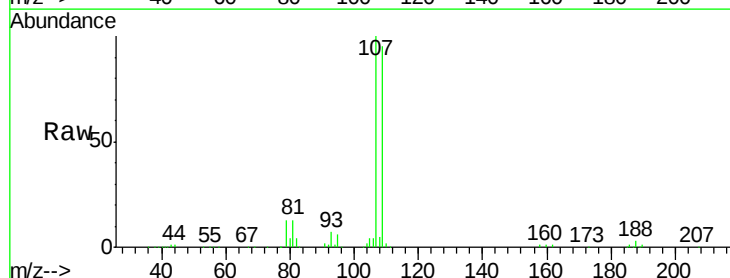
Acq: 21 Sep 2015 13:39

Tgt Ion:107 Resp: 363616

Ion Ratio Lower Upper

107 100

109 93.8 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.11

200000

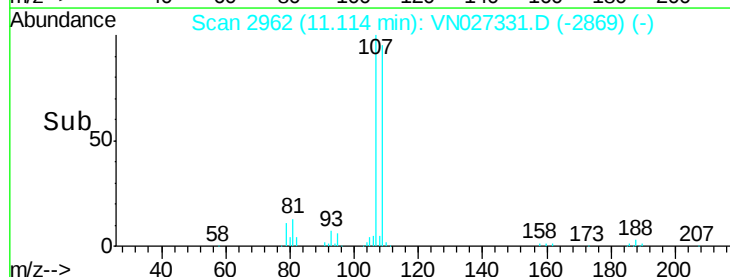
150000

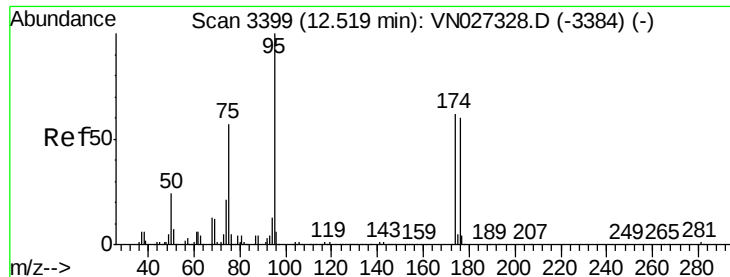
100000

50000

0

Time--> 11.10 11.20





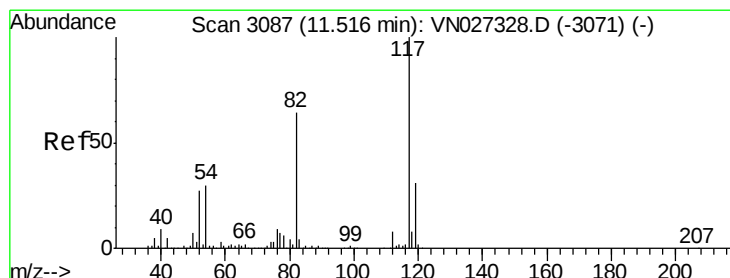
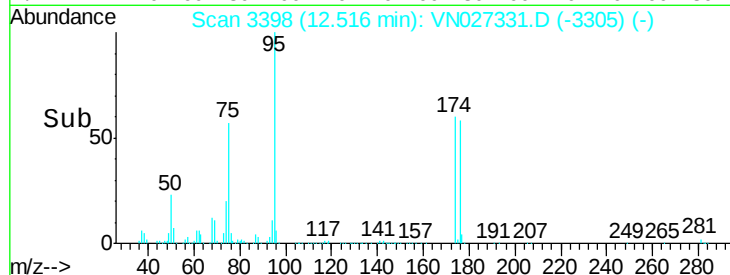
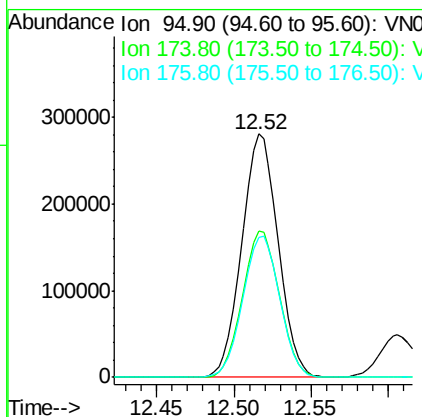
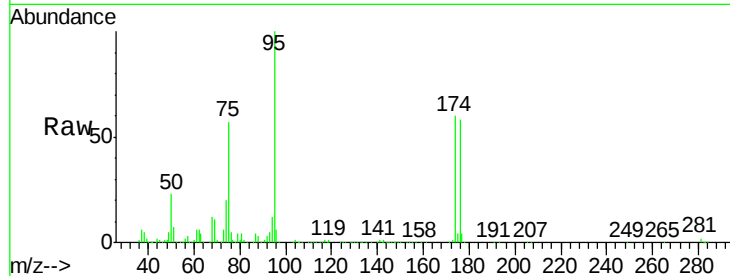
#63
 4-Bromofluorobenzene
 Concen: 45.17 ug/l
 RT: 12.52 min Scan# 3398
 Delta R.T. -0.00 min
 Lab File: VN027331.D
 Acq: 21 Sep 2015 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092115

Tot Ion:	95	Resp:	459377
Ion Ratio	Lower	Upper	
95	100		
174	61.1	0.0	137.0
176	58.9	0.0	130.8

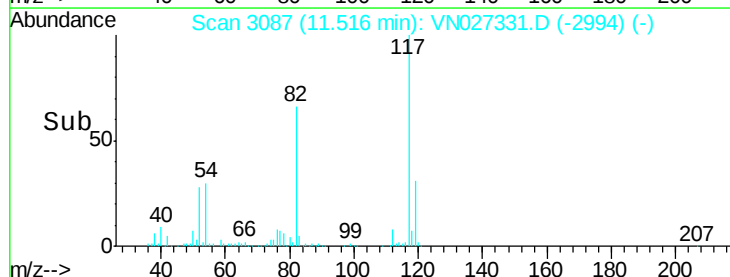
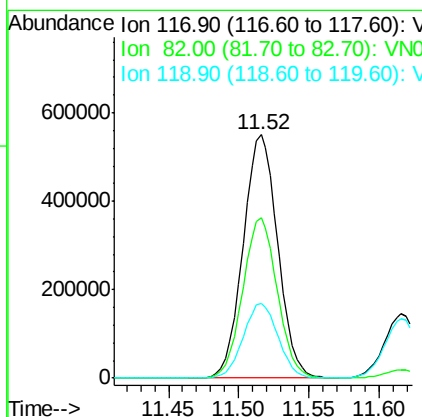
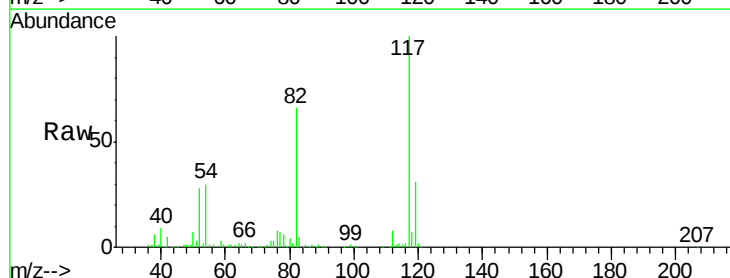
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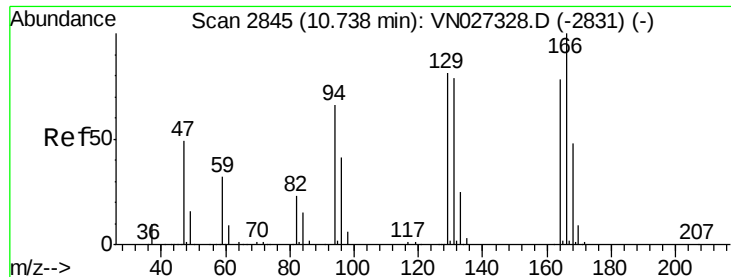
MMDadoda
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#64
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.52 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VN027331.D
 Acq: 21 Sep 2015 13:39

Tgt Ion:	117	Resp:	945709
Ion Ratio	Lower	Upper	
117	100		
82	65.7	49.6	74.4
119	30.8	24.6	36.8





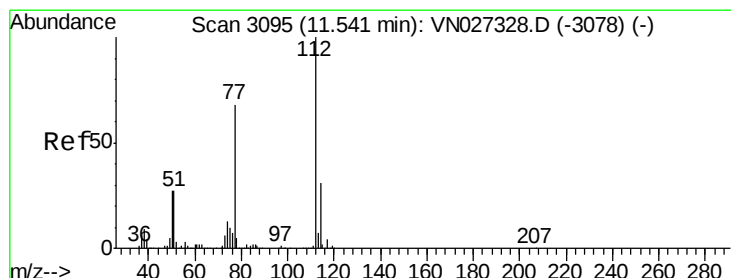
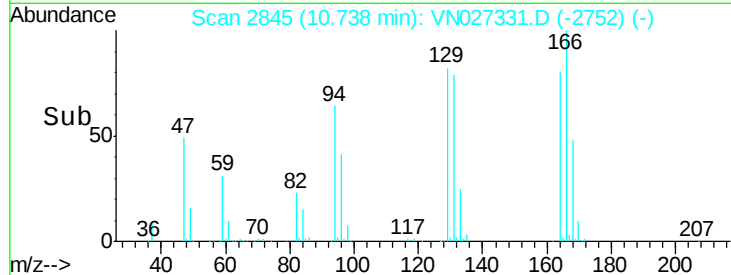
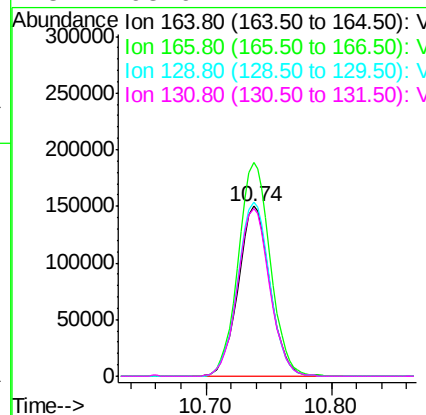
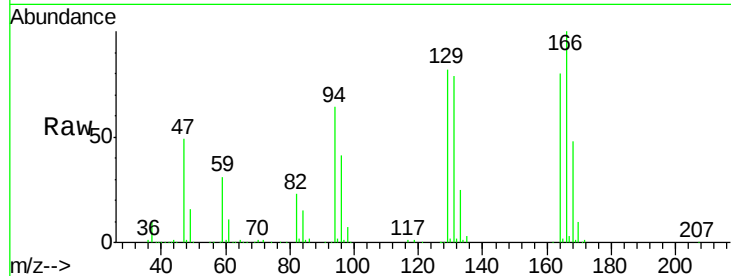
#65
Tetrachloroethene
Concen: 46.90 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092115

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	125.6	103.4	155.0	
129	102.6	77.5	116.3	
131	98.9	74.2	111.4	

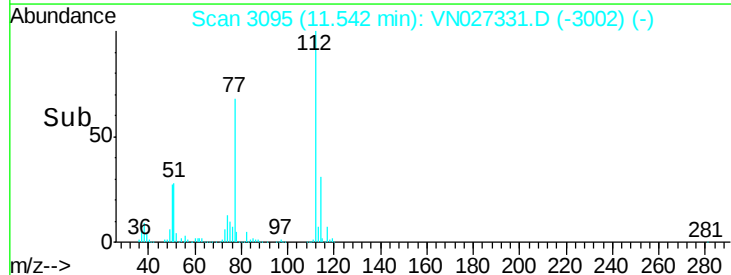
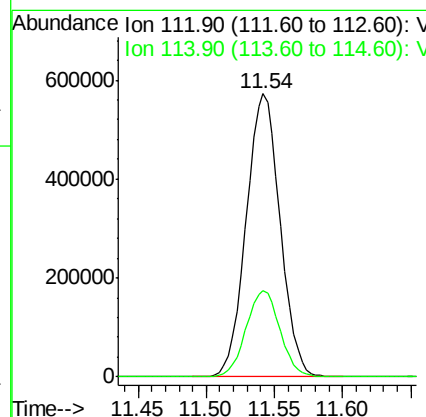
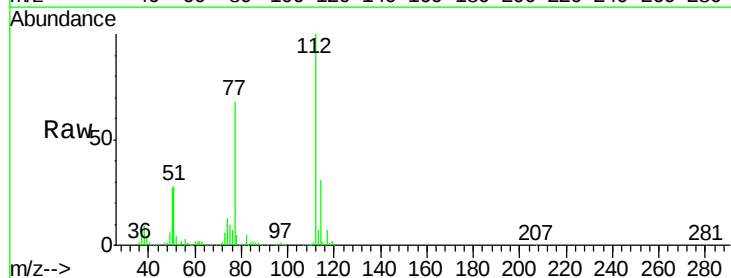
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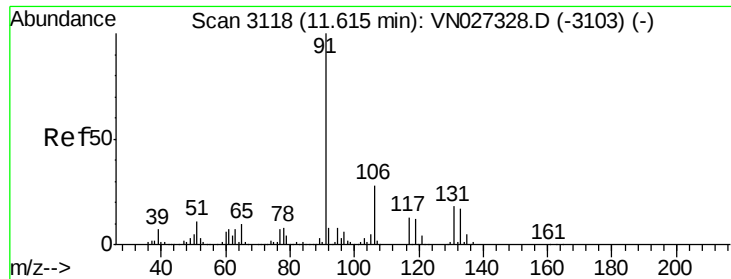
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#66
Chlorobenzene
Concen: 48.58 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	30.5	24.9	37.3	





#67

1,1,1,2-Tetrachloroethane

Concen: 49.91 ug/l

RT: 11.62 min Scan# 3118

Delta R.T. 0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

Instrument :

MSVOA_N

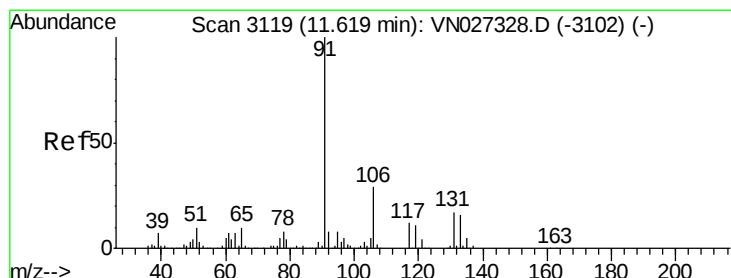
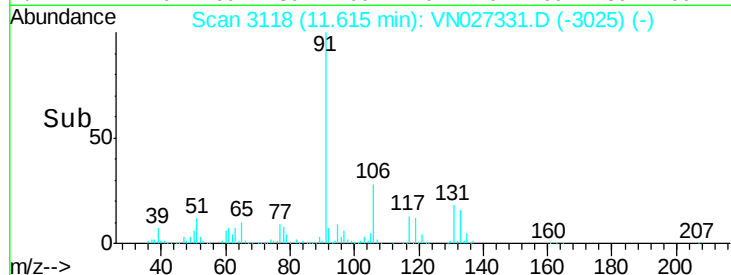
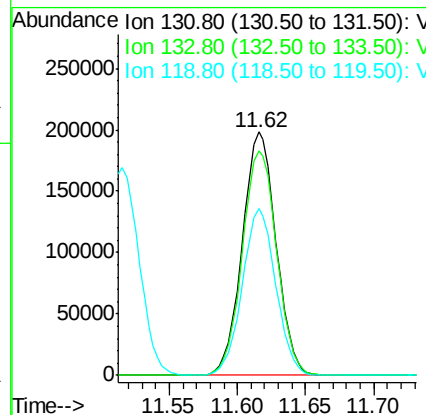
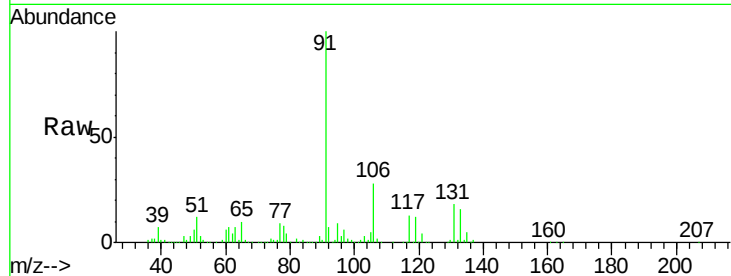
ClientSampleId :

ICVVN092115

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.4	47.0	141.2
119	67.9	35.1	105.5

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#68

Ethyl Benzene

Concen: 49.35 ug/l

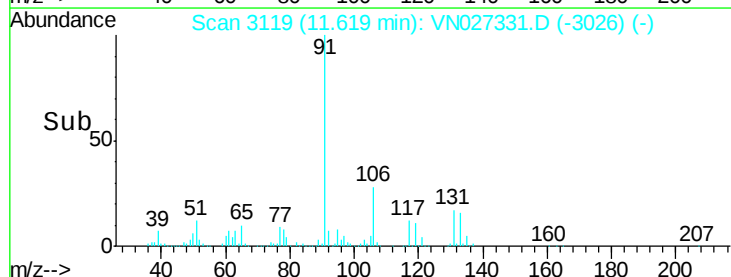
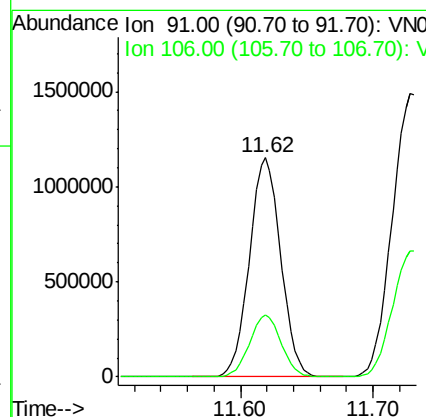
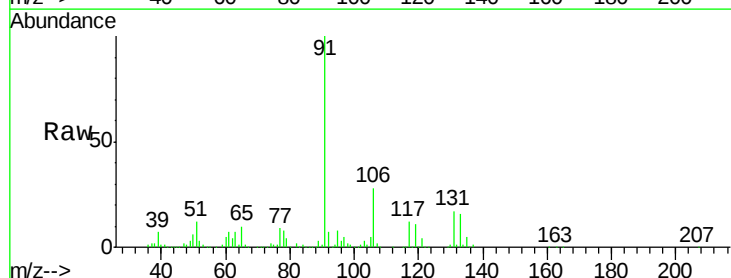
RT: 11.62 min Scan# 3119

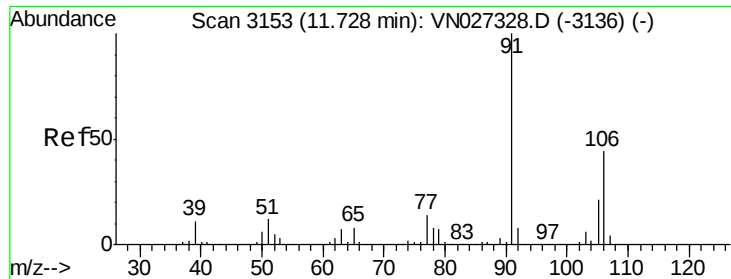
Delta R.T. 0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.3	23.1	34.7





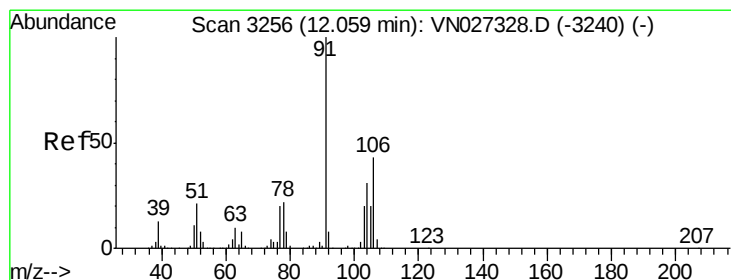
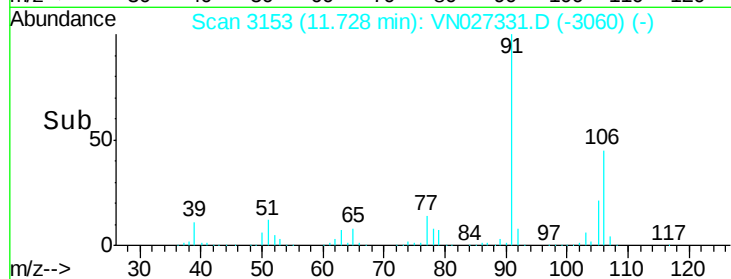
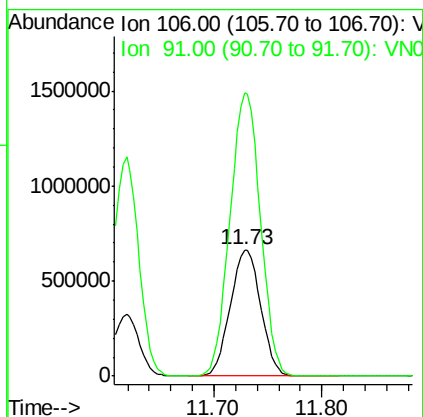
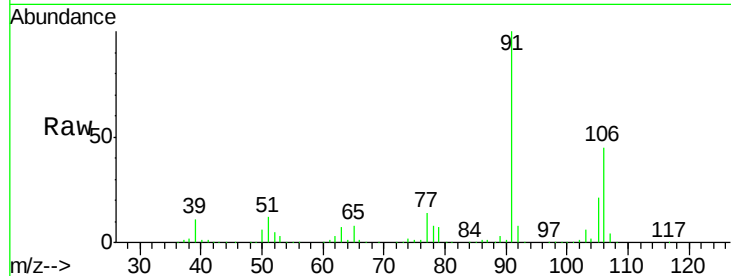
#69
m/p-Xylenes
Concen: 98.32 ug/l
RT: 11.73 min Scan# 3153
Delta R.T. 0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092115

Tot Ion:106 Resp: 1303690
Ion Ratio Lower Upper
106 100
91 224.4 167.1 250.7

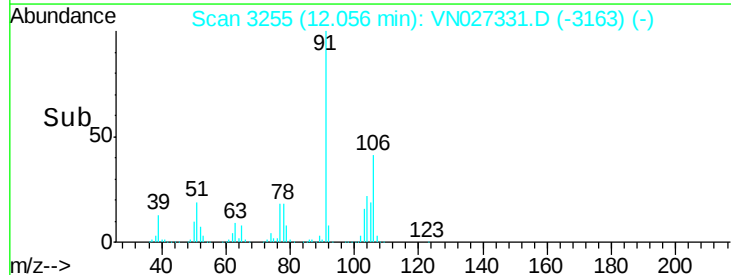
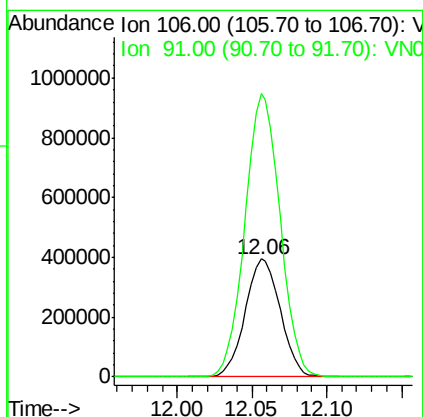
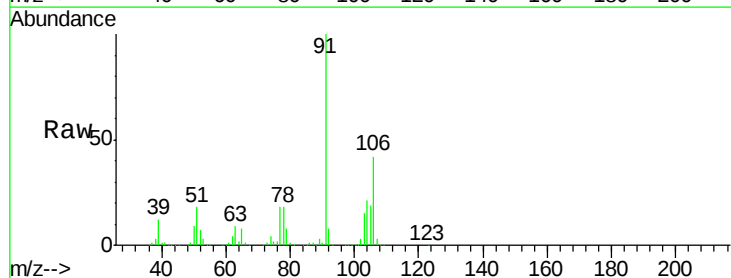
Manual Integrations
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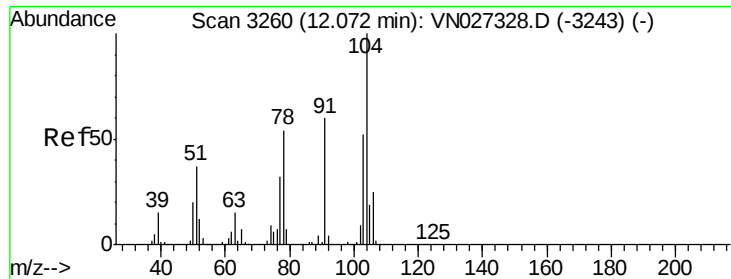
MMDadoda
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#70
o-Xylene
Concen: 48.03 ug/l
RT: 12.06 min Scan# 3255
Delta R.T. -0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Tgt Ion:106 Resp: 643540
Ion Ratio Lower Upper
106 100
91 240.1 110.7 331.9





#71

Stvrene

Concen: 50.77 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092115

Tot Ion:104 Resp: 1082980

Ion Ratio Lower Upper

104 100

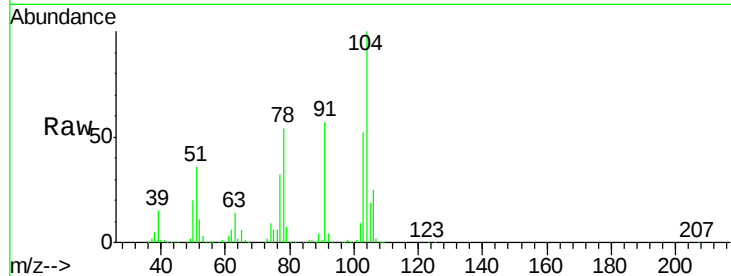
78 59.4 41.6 62.4

103 55.7 44.2 66.2

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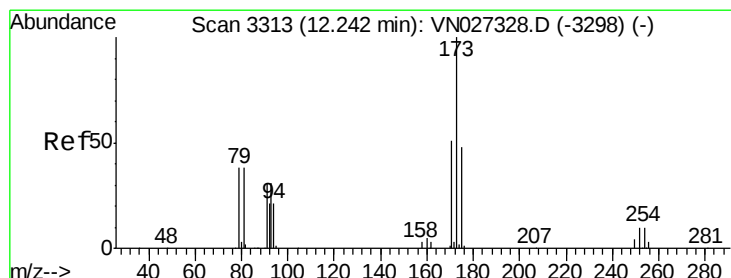
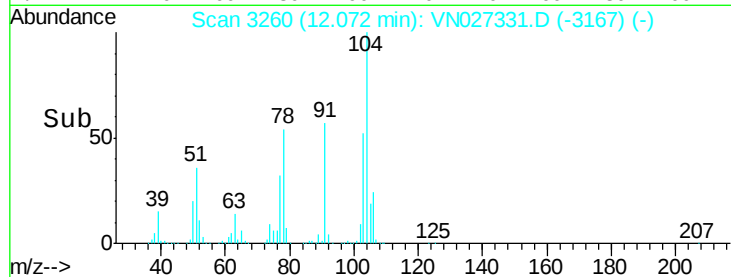
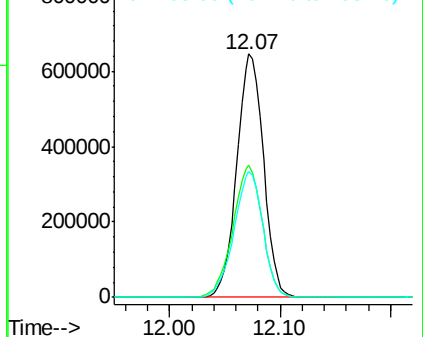
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Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

Bromoform

Concen: 50.32 ug/l

RT: 12.24 min Scan# 3312

Delta R.T. -0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

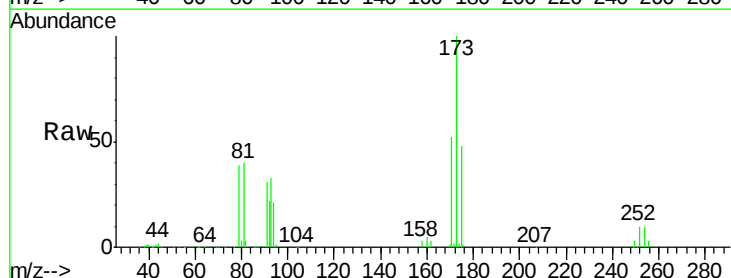
Tgt Ion:173 Resp: 229716

Ion Ratio Lower Upper

173 100

175 48.8 24.4 73.4

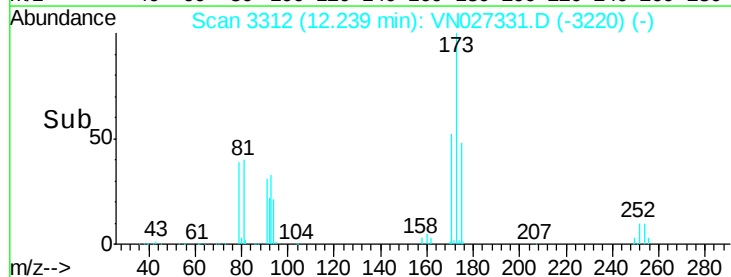
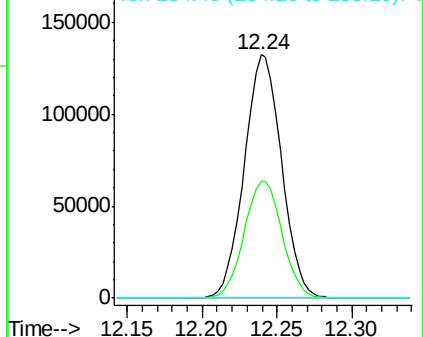
254 0.1 0.1 0.1#

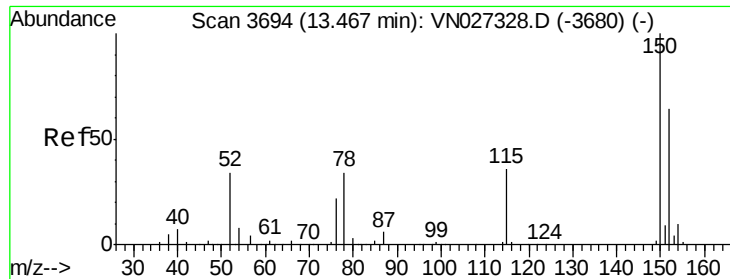


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





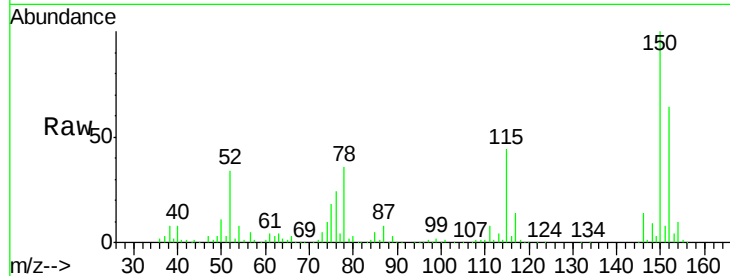
#73
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.47 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN027331.D
 Acq: 21 Sep 2015 13:39

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN092115

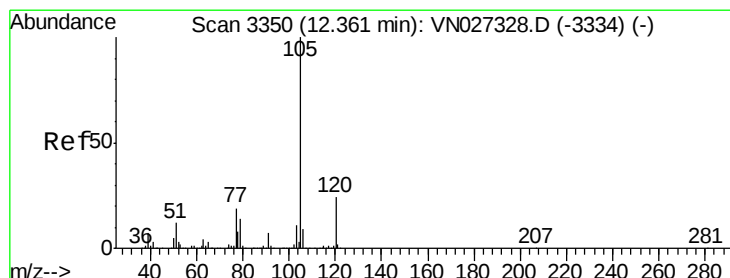
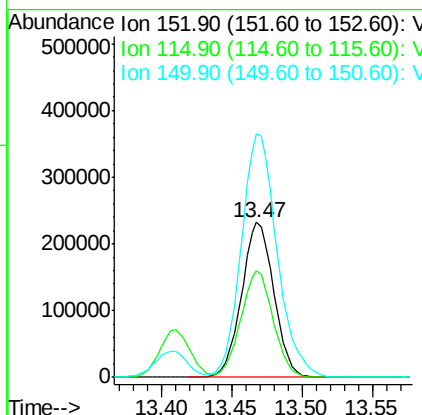
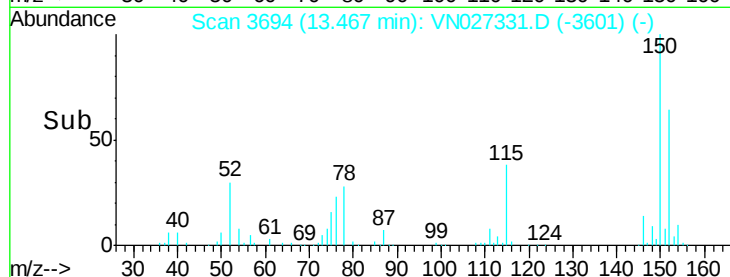
Tot Ion	Ratio	Lower	Upper
152	100		
115	68.6	30.8	92.3
150	173.5	0.0	345.0

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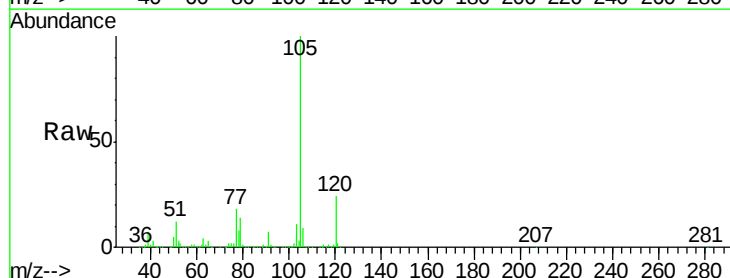


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

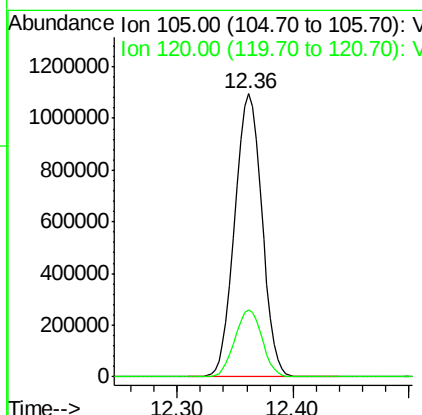
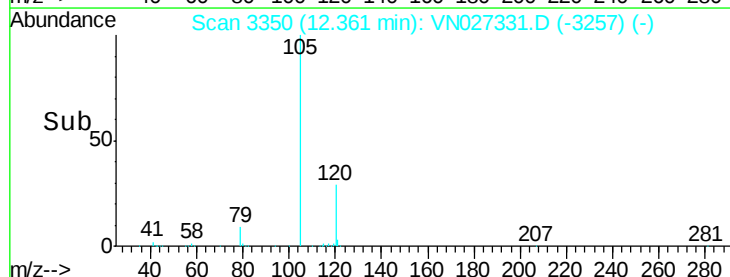


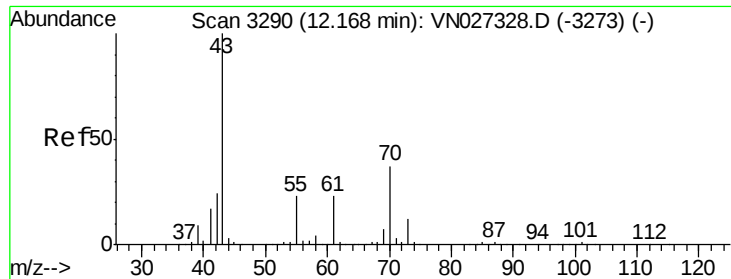
#74
 Isopropylbenzene
 Concen: 47.53 ug/l
 RT: 12.36 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VN027331.D
 Acq: 21 Sep 2015 13:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	23.7	12.4	37.2



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





#75

N-amvl acetate

Concen: 50.92 ug/l

RT: 12.17 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

Instrument :

MSVOA_N

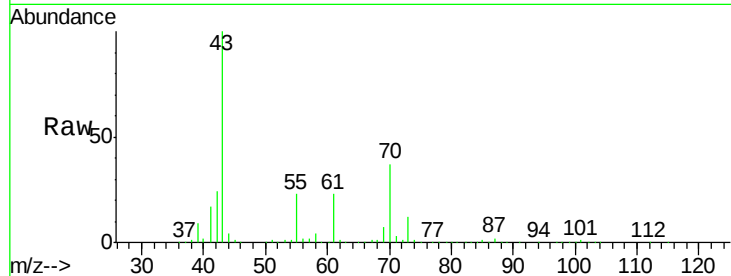
ClientSampleId :

ICVVN092115

Tot Ion	43	Resp	753720
Ion	Ratio	Lower	Upper
43	100		
70	37.8	29.8	44.8
55	22.9	19.4	29.0
61	23.2	18.2	27.2

Manual Integrations
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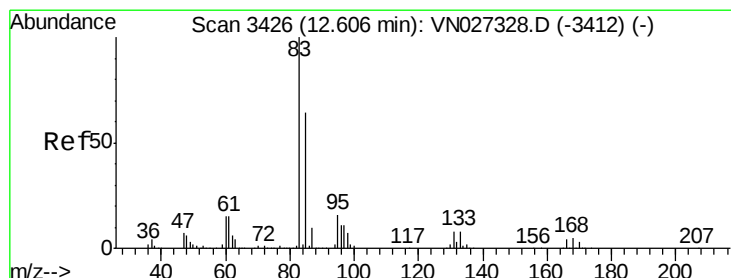
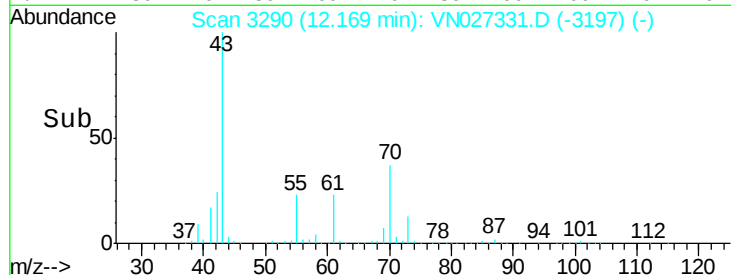
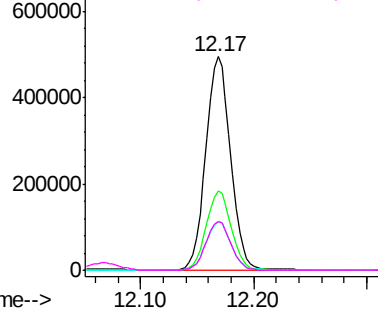


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,1,2,2-Tetrachloroethane

Concen: 46.86 ug/l

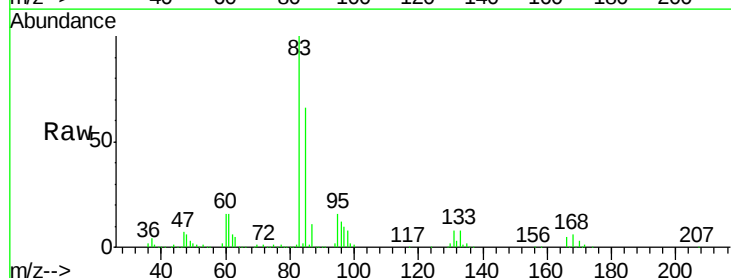
RT: 12.61 min Scan# 3426

Delta R.T. 0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

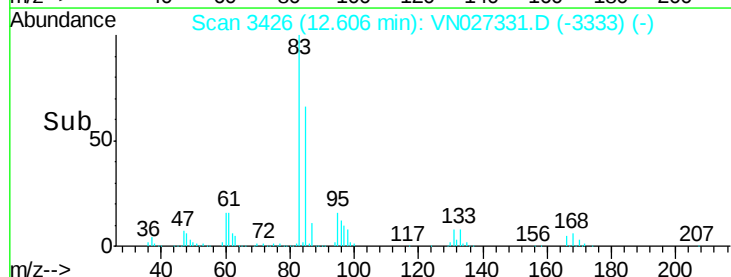
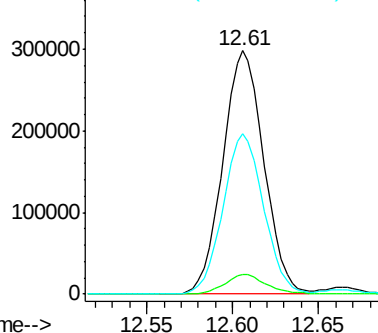
Tgt Ion	83	Resp	492066
Ion	Ratio	Lower	Upper
83	100		
131	8.3	4.1	12.3
85	65.0	31.9	95.7

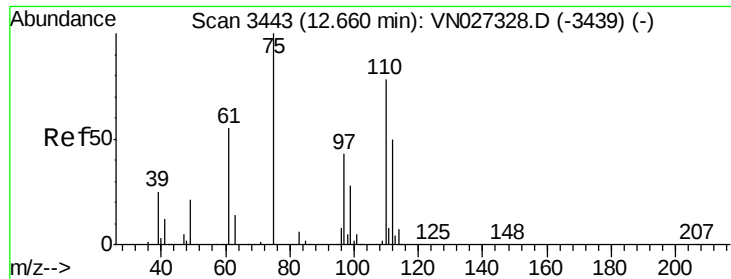


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#77

1,2,3-Trichloropropane

Concen: 45.91 ug/l m

RT: 12.66 min Scan# 3443

Delta R.T. 0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

Instrument :

MSVOA_N

ClientSampled :

ICVVN092115

Tot Ion: 75 Resp: 429292

Ion Ratio Lower Upper

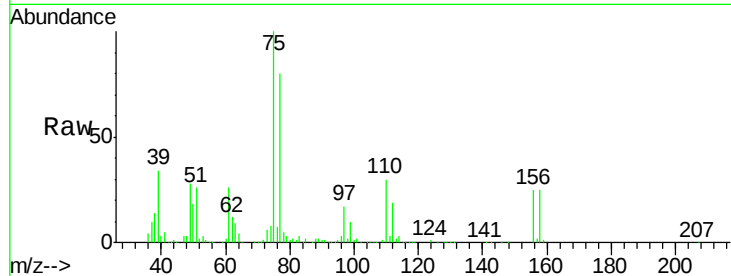
75 100

77 219.4 103.1 309.3

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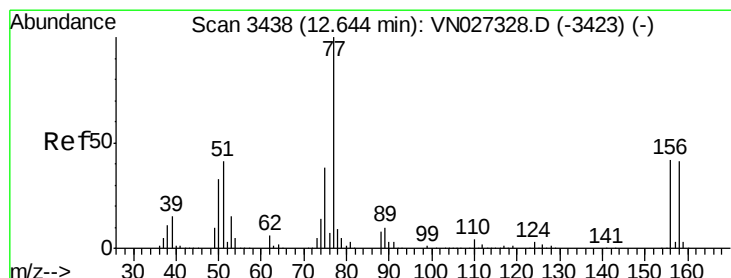
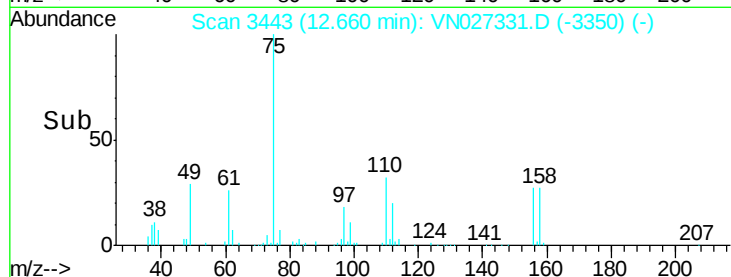
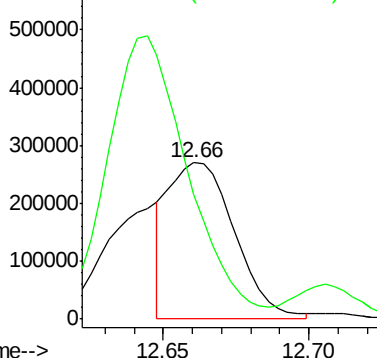
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

Bromobenzene

Concen: 47.46 ug/l

RT: 12.64 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

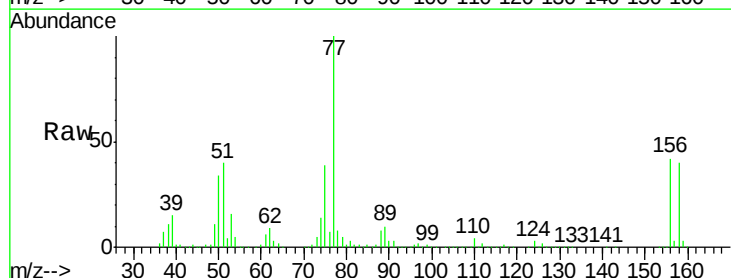
Tgt Ion: 156 Resp: 346486

Ion Ratio Lower Upper

156 100

77 271.8 127.3 381.9

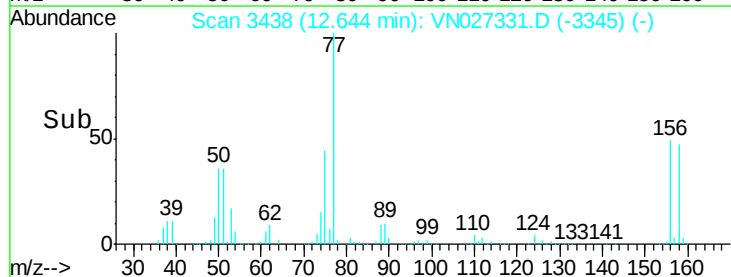
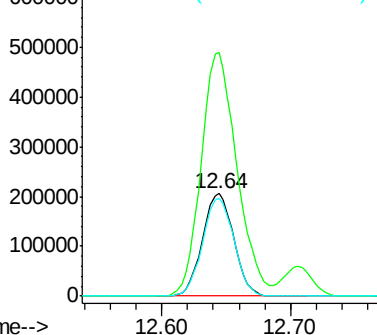
158 96.0 48.0 144.2

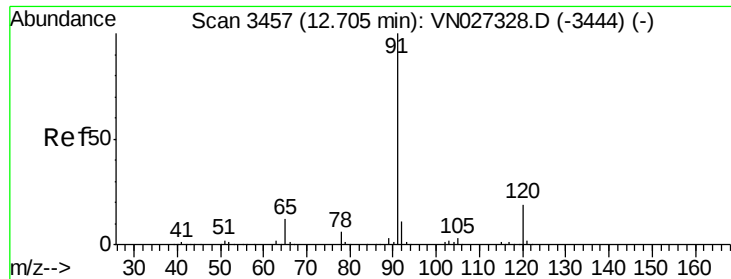


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





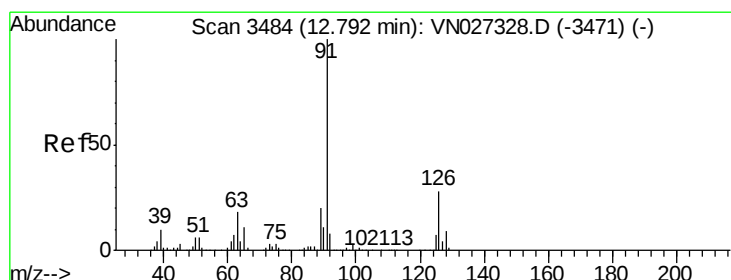
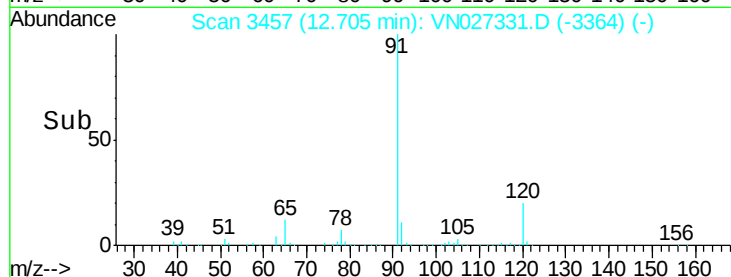
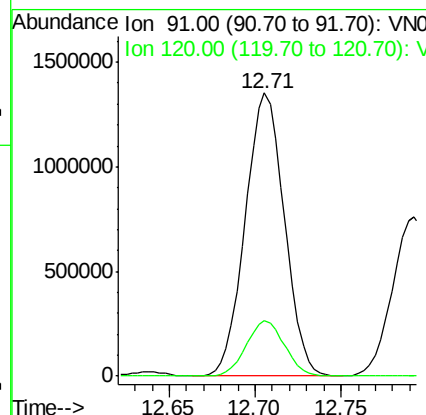
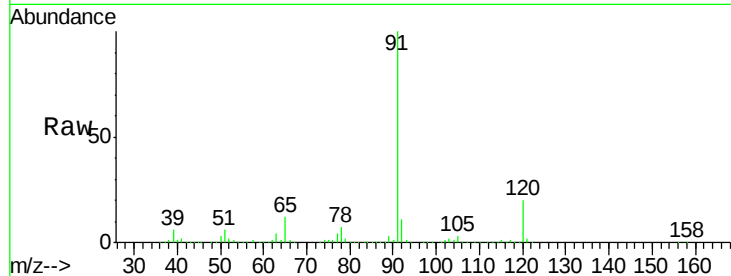
#79
n-propylbenzene
Concen: 47.75 ug/l
RT: 12.71 min Scan# 3457
Delta R.T. 0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Instrument :
MSVOA_N
ClientSampled :
ICVVN092115

Tot Ion: 91 Resp: 2124728
Ion Ratio Lower Upper
91 100
120 19.2 10.3 30.8

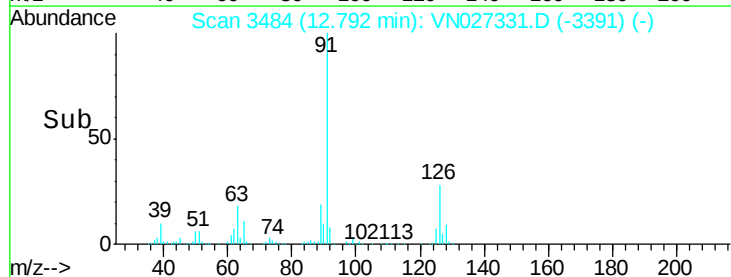
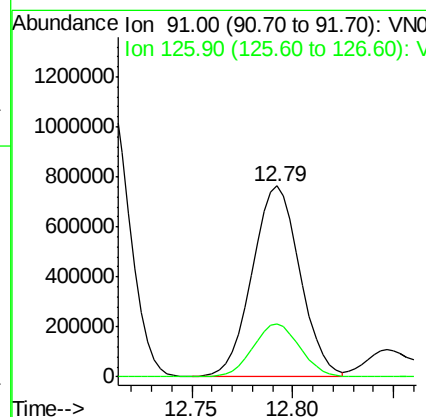
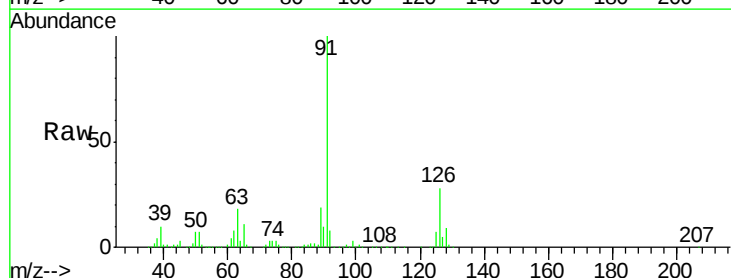
Manual Integrations
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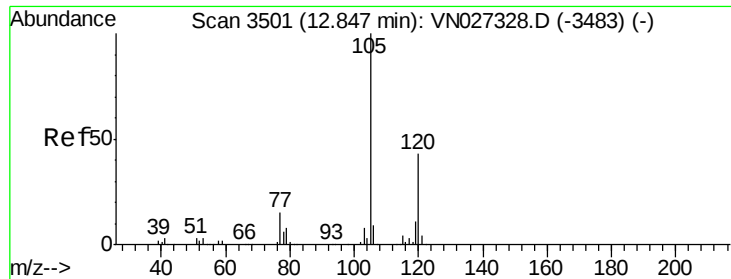
MMDadoda
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#80
2-Chlorotoluene
Concen: 46.25 ug/l
RT: 12.79 min Scan# 3484
Delta R.T. 0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Tgt Ion: 91 Resp: 1258084
Ion Ratio Lower Upper
91 100
126 27.5 15.2 45.5





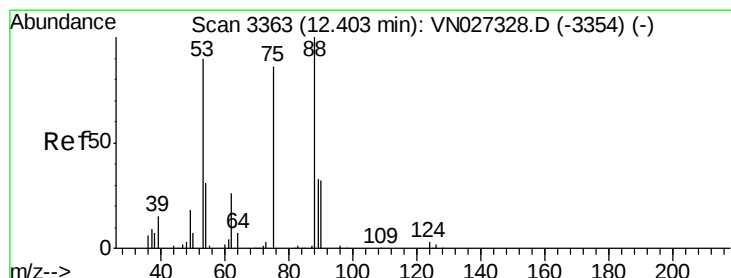
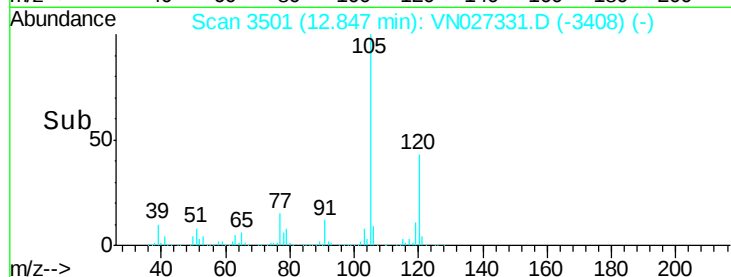
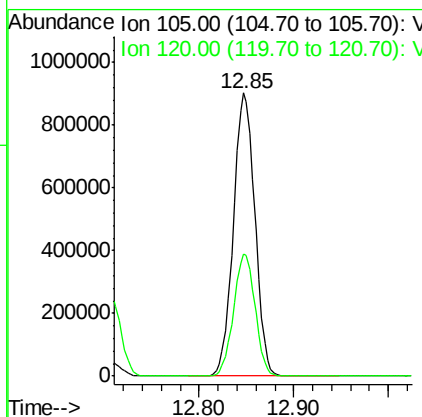
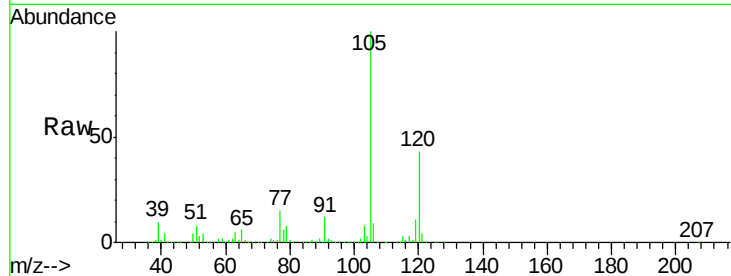
#81
 1,3,5-Trimethylbenzene
 Concen: 47.16 ug/l
 RT: 12.85 min Scan# 3501
 Delta R.T. 0.00 min
 Lab File: VN027331.D
 Acq: 21 Sep 2015 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092115

Tot Ion:105 Resp: 1422256
 Ion Ratio Lower Upper
 105 100
 120 43.3 23.4 70.0

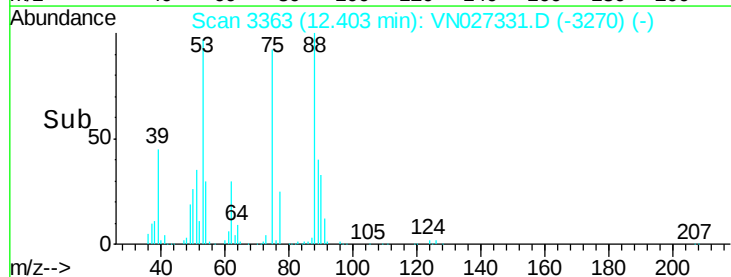
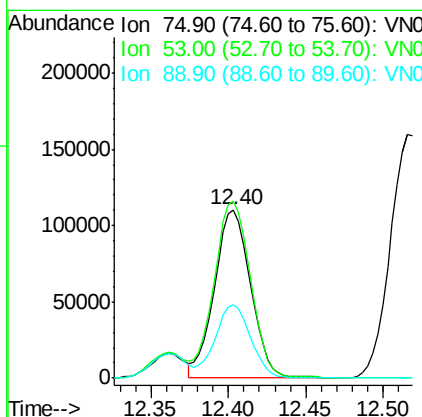
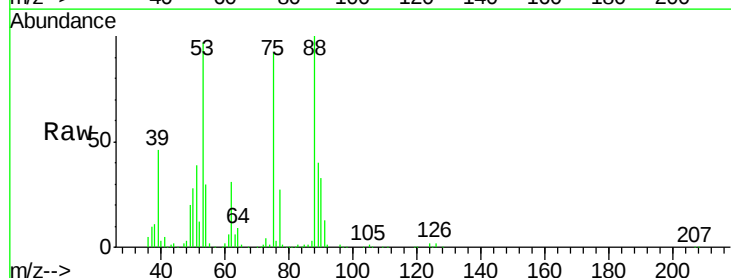
Manual Integrations
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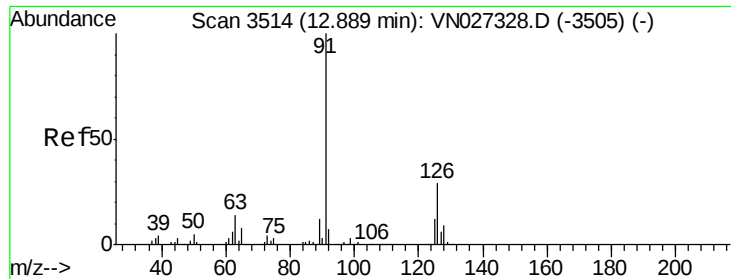
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#82
 trans-1,4-Dichloro-2-butene
 Concen: 48.89 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN027331.D
 Acq: 21 Sep 2015 13:39

Tgt Ion: 75 Resp: 178244
 Ion Ratio Lower Upper
 75 100
 53 106.4 92.9 139.3
 89 43.3 34.2 51.4





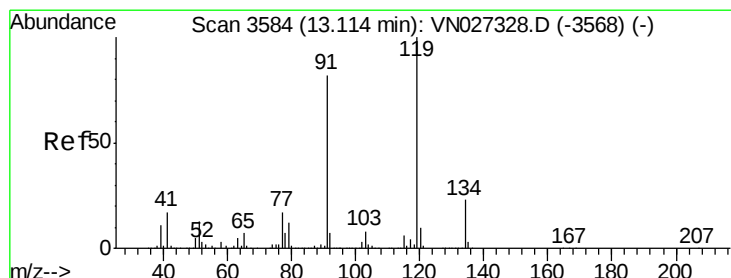
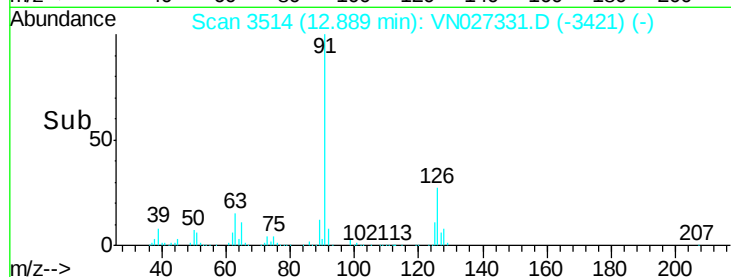
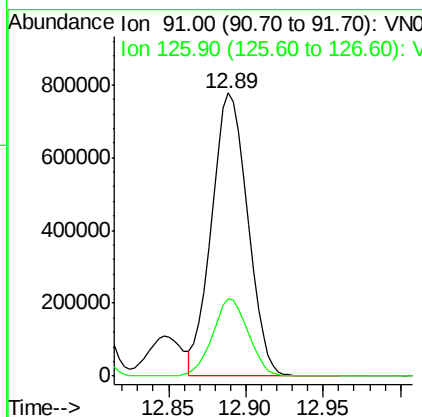
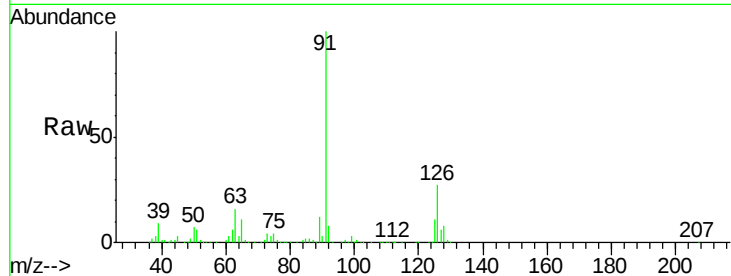
#83
4-Chlorotoluene
Concen: 47.45 ug/l
RT: 12.89 min Scan# 3514
Delta R.T. 0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Instrument :
MSVOA_N
ClientSampled :
ICVVN092115

Tot Ion: 91 Resp: 1259538
Ion Ratio Lower Upper
91 100
126 27.1 14.9 44.5

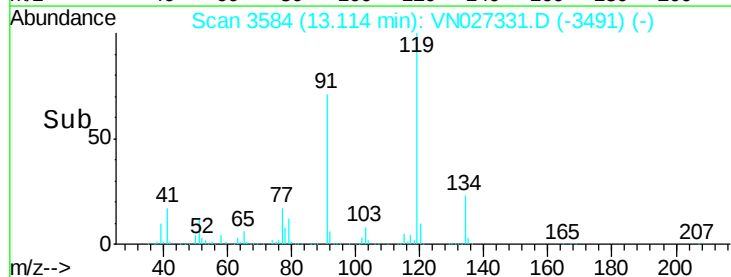
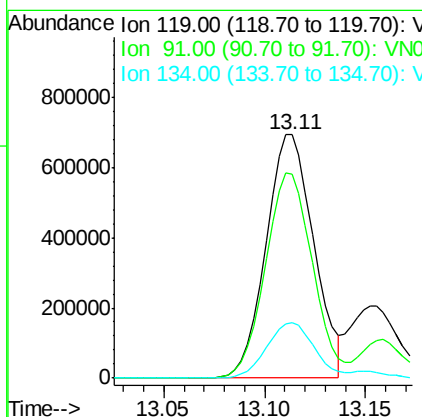
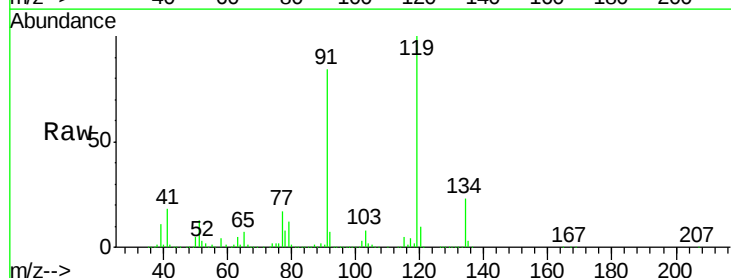
Manual Integrations
APPROVED

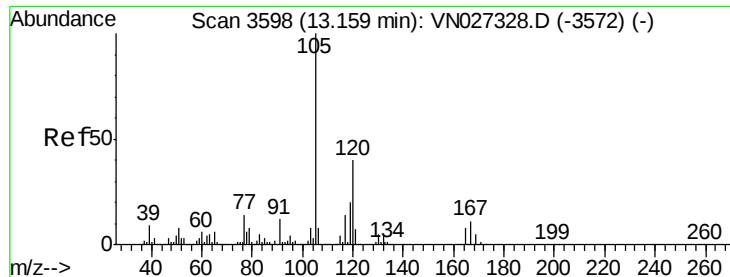
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#84
tert-Butylbenzene
Concen: 46.84 ug/l
RT: 13.11 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Tgt Ion: 119 Resp: 1139062
Ion Ratio Lower Upper
119 100
91 82.7 34.6 103.8
134 22.5 11.4 34.2





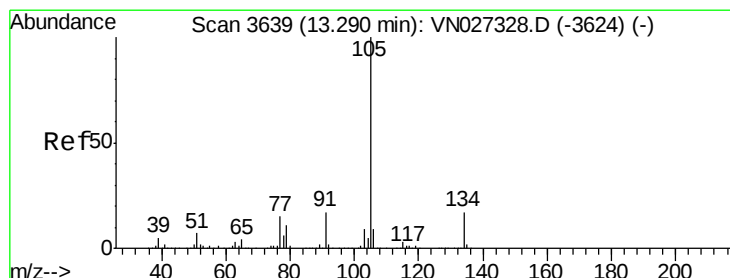
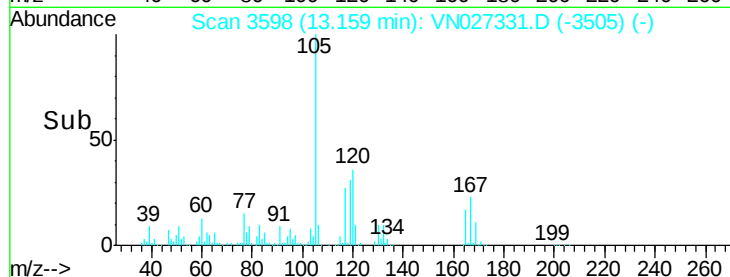
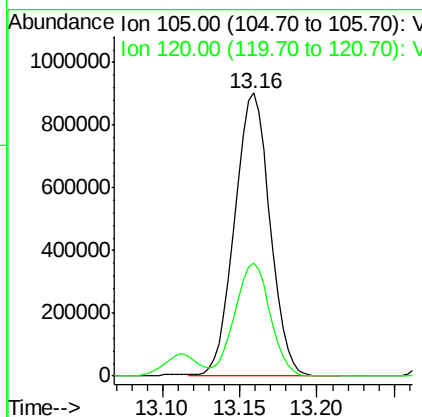
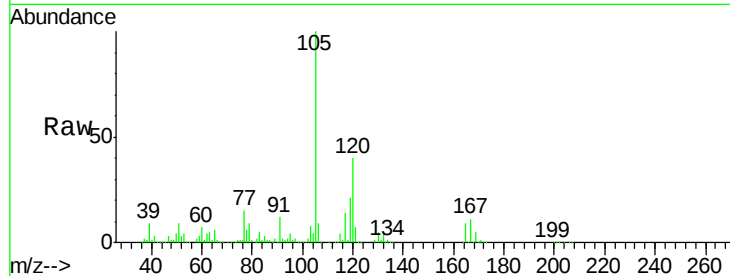
#85
 1,2,4-Trimethylbenzene
 Concen: 47.67 ug/l
 RT: 13.16 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN027331.D
 Acq: 21 Sep 2015 13:39

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN092115

Tot Ion:105 Resp: 1429801
 Ion Ratio Lower Upper
 105 100
 120 40.2 21.9 65.5

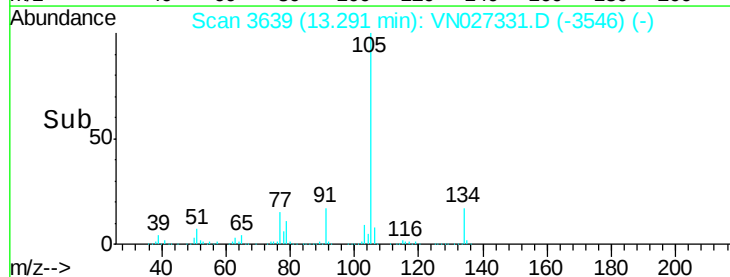
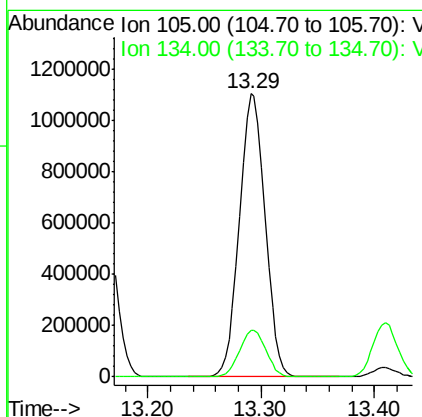
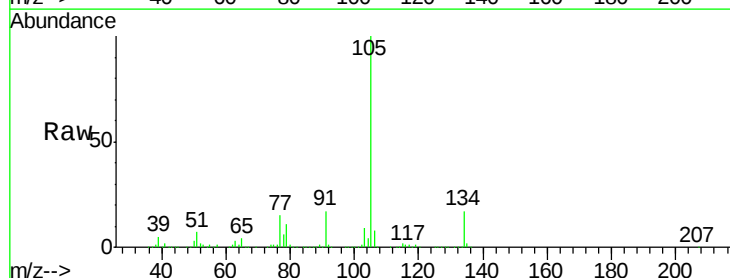
Manual Integrations
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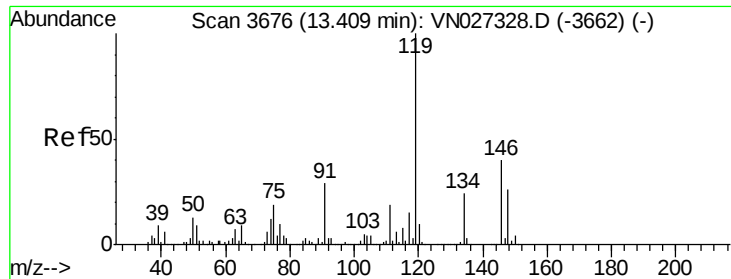
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#86
 sec-Butylbenzene
 Concen: 48.29 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN027331.D
 Acq: 21 Sep 2015 13:39

Tgt Ion:105 Resp: 1749127
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.8 26.4





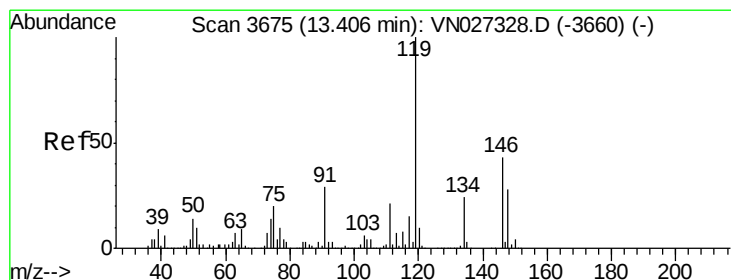
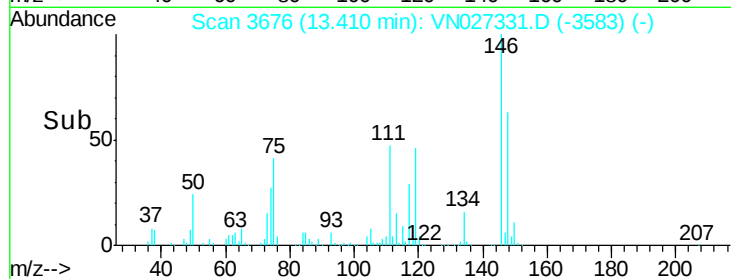
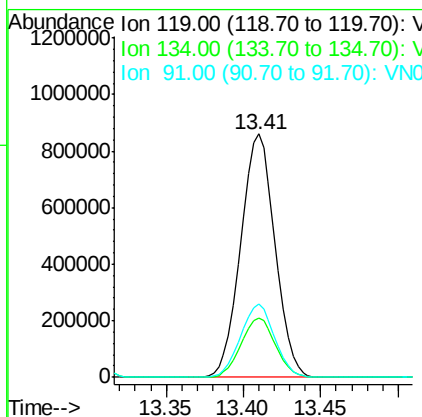
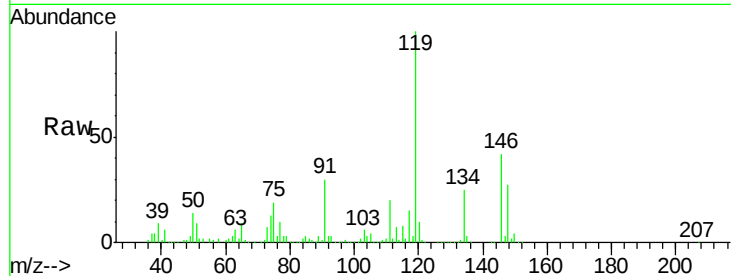
#87
p-Isopropyltoluene
Concen: 48.71 ug/l
RT: 13.41 min Scan# 3676
Delta R.T. 0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092115

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		1322882		
134	24.5	12.4	37.0		
91	29.8	12.0	36.1		

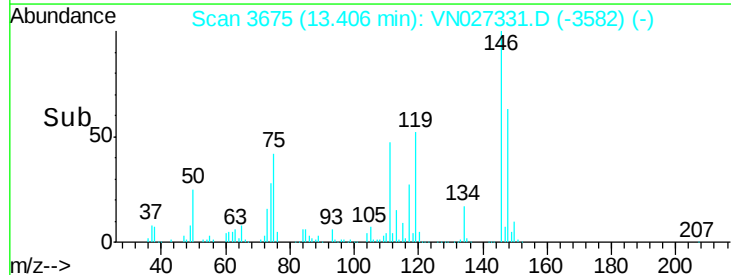
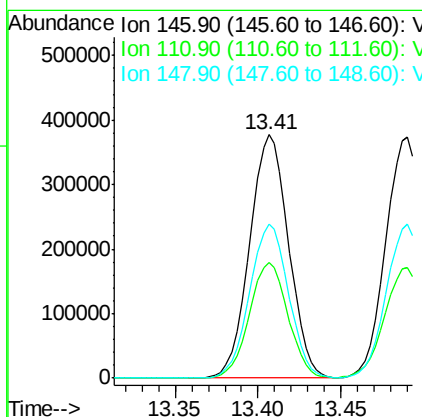
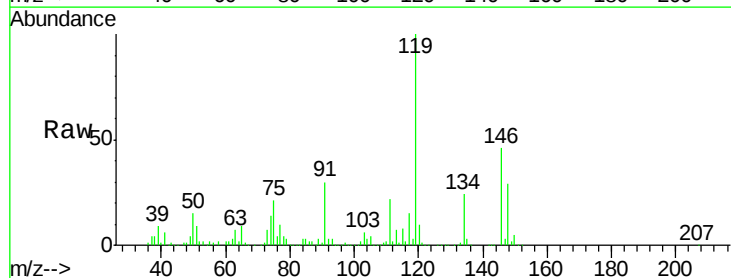
Manual Integrations
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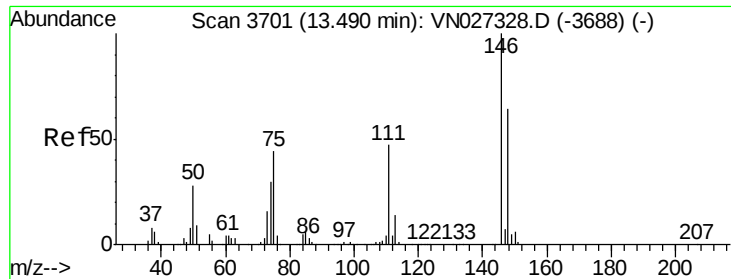
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#88
1,3-Dichlorobenzene
Concen: 48.82 ug/l
RT: 13.41 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		614996		
111	47.1	21.0	63.0		
148	63.3	31.9	95.9		





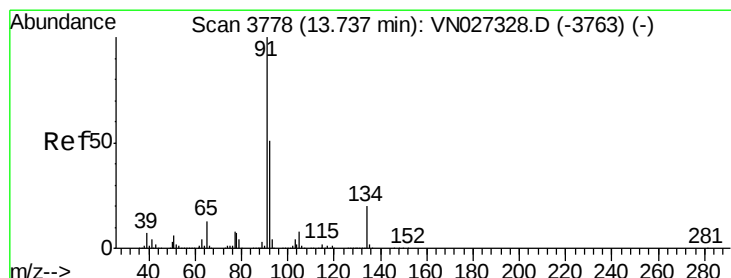
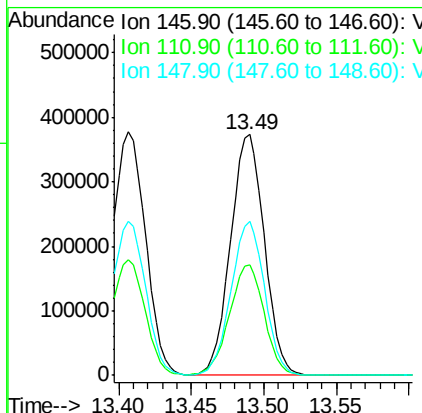
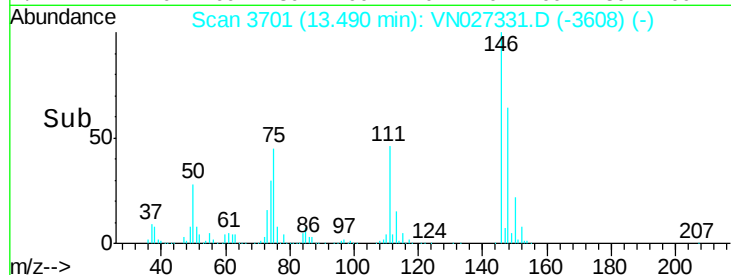
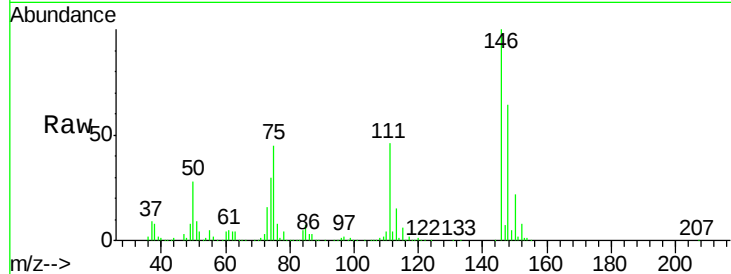
#89
 1,4-Dichlorobenzene
 Concen: 47.36 ug/l
 RT: 13.49 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VN027331.D
 Acq: 21 Sep 2015 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092115

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.8	19.9	59.6
148	63.3	31.7	95.1

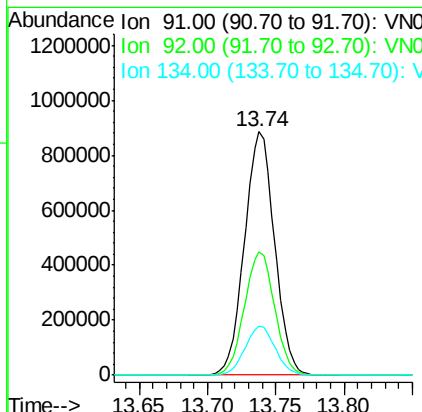
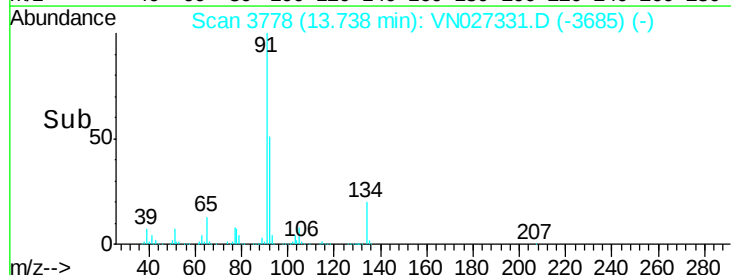
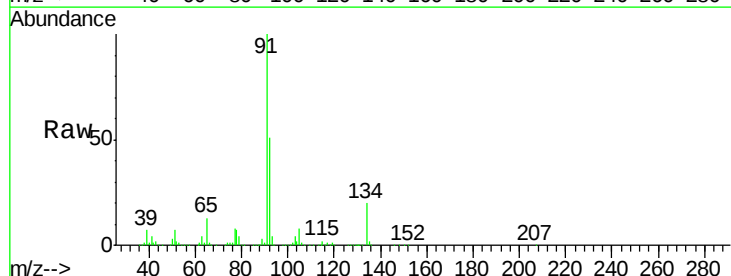
Manual Integrations
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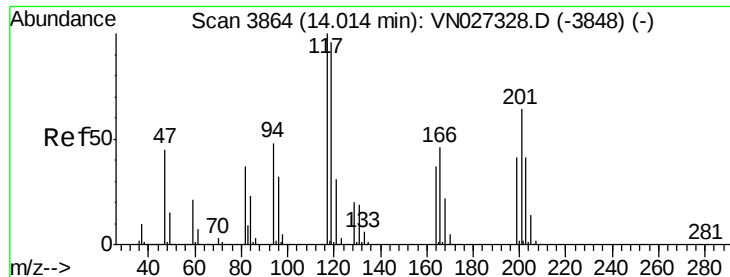
MMDadoda
 9/22/2015 2:28:08 PM



#90
 n-Butylbenzene
 Concen: 49.87 ug/l
 RT: 13.74 min Scan# 3778
 Delta R.T. 0.00 min
 Lab File: VN027331.D
 Acq: 21 Sep 2015 13:39

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.0	26.1	78.2
134	20.3	11.1	33.1





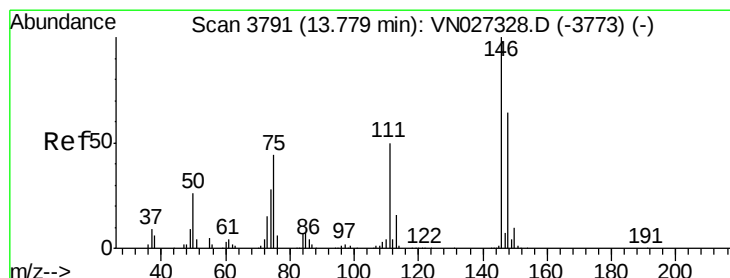
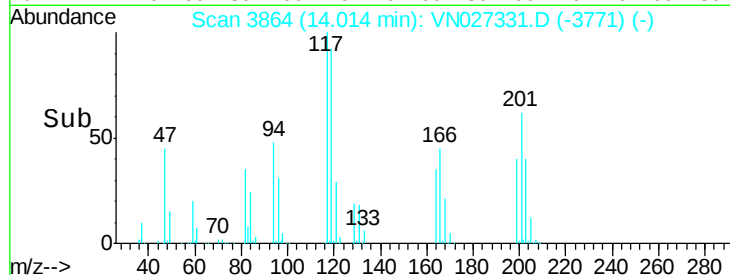
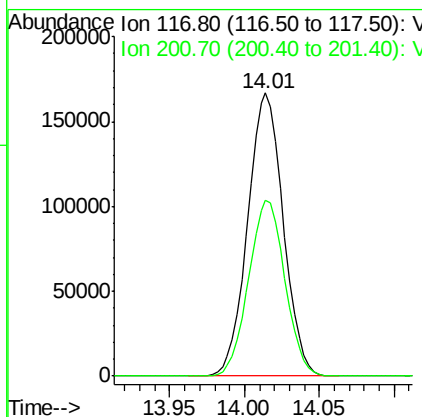
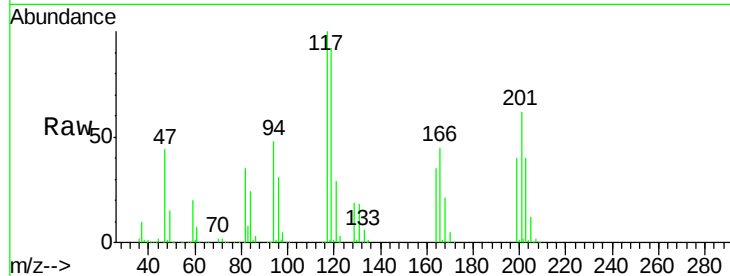
#91
Hexachloroethane
Concen: 47.47 ug/l
RT: 14.01 min Scan# 3864
Delta R.T. 0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Instrument :
MSVOA_N
ClientSampled :
ICVVN092115

Tot Ion:117 Resp: 275666
Ion Ratio Lower Upper
117 100
201 63.4 34.9 104.7

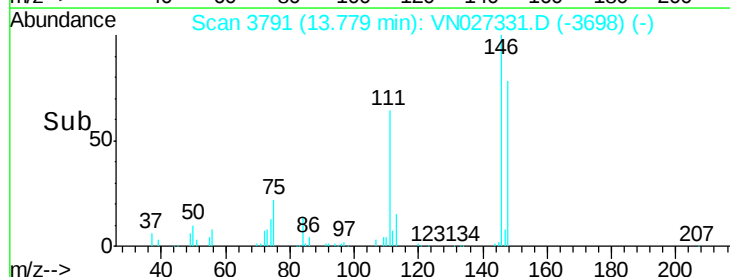
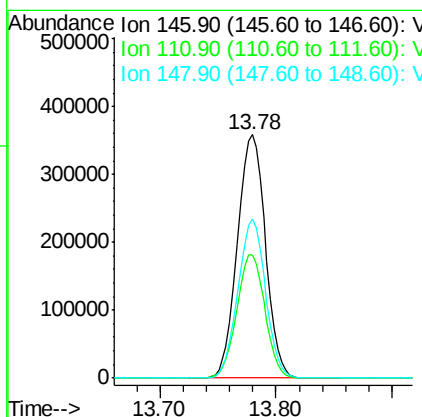
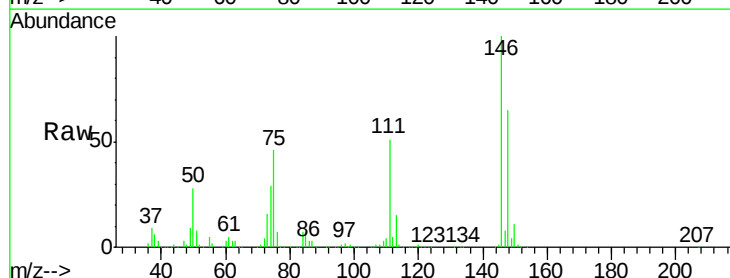
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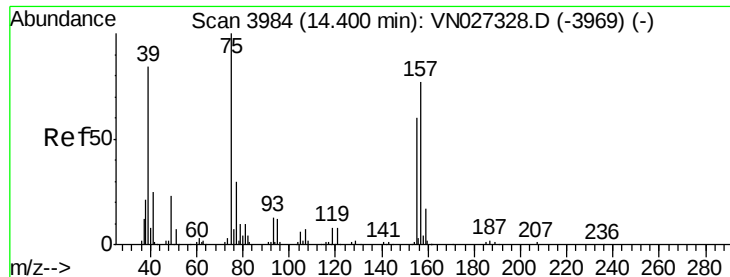
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#92
1,2-Dichlorobenzene
Concen: 47.70 ug/l
RT: 13.78 min Scan# 3791
Delta R.T. 0.00 min
Lab File: VN027331.D
Acq: 21 Sep 2015 13:39

Tgt Ion:146 Resp: 600279
Ion Ratio Lower Upper
146 100
111 50.8 22.1 66.3
148 64.1 32.0 96.0





#93

1,2-Dibromo-3-Chloropropane

Concen: 48.89 ug/l

RT: 14.40 min Scan# 3984

Delta R.T. 0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

Instrument :

MSVOA_N

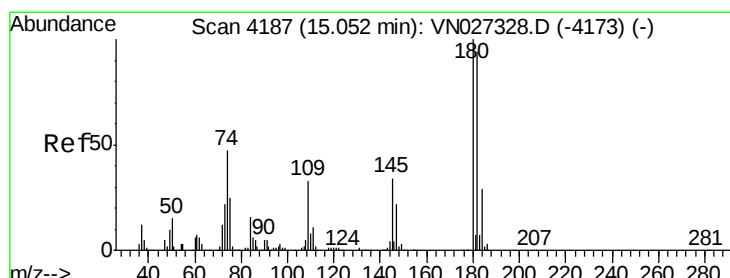
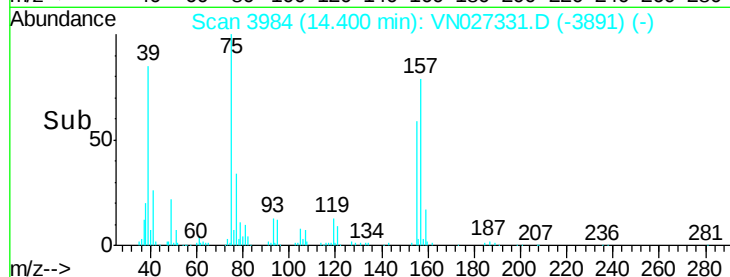
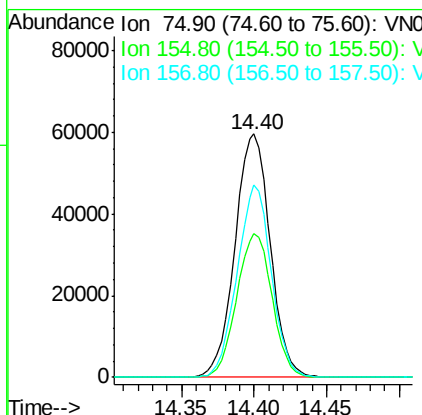
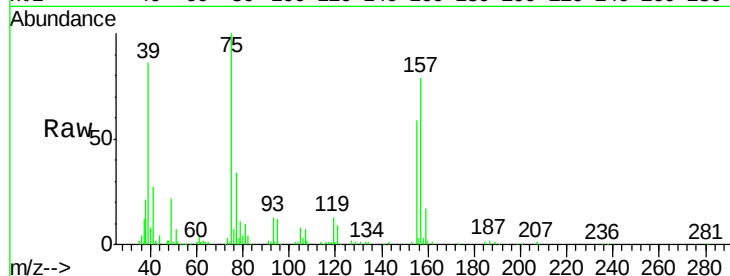
ClientSampleId :

ICVVN092115

Tot Ion:	75	Resp:	100616
Ion Ratio	Lower	Upper	
75	100		
155	59.3	35.6	106.9
157	76.5	44.6	133.8

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#94

1,2,4-Trichlorobenzene

Concen: 51.66 ug/l

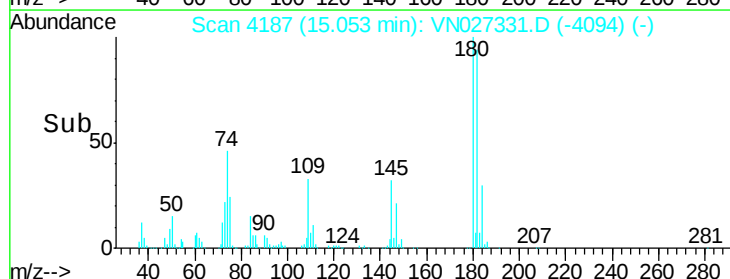
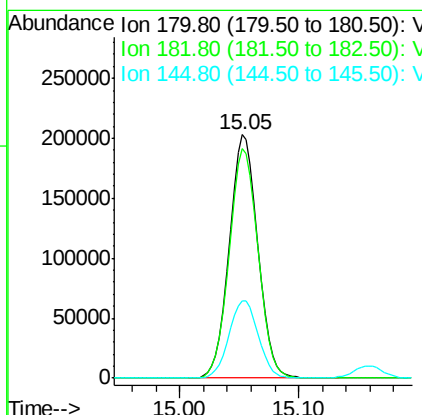
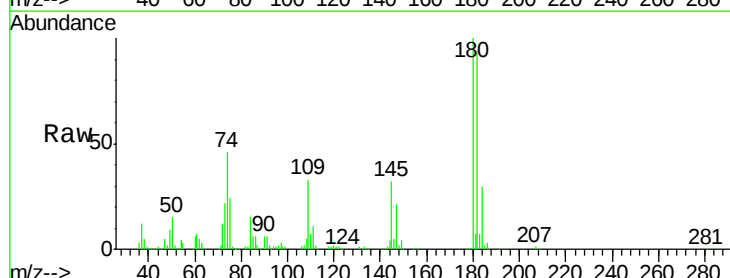
RT: 15.05 min Scan# 4187

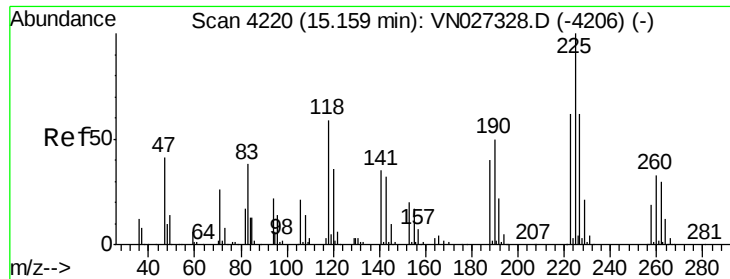
Delta R.T. 0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

Tgt Ion:	180	Resp:	335976
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.5	142.5
145	32.8	15.1	45.3





#95

Hexachlorobutadiene

Concen: 47.39 ug/l

RT: 15.16 min Scan# 4220

Delta R.T. 0.00 min

Lab File: VN027331.D

Acq: 21 Sep 2015 13:39

Instrument :

MSVOA_N

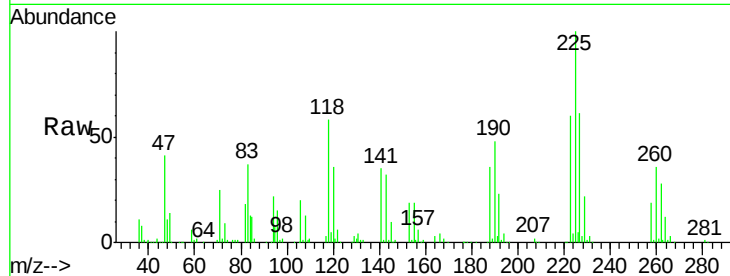
ClientSampleId :

ICVVN092115

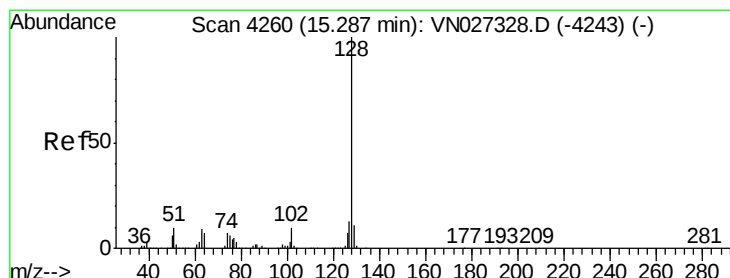
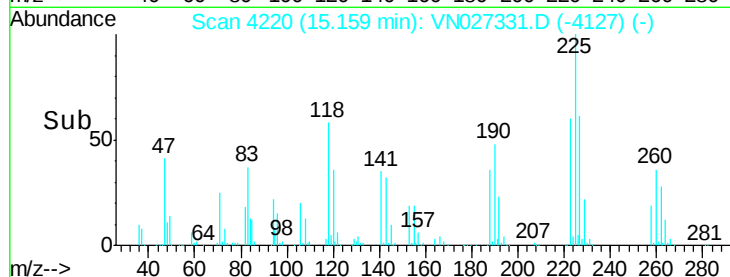
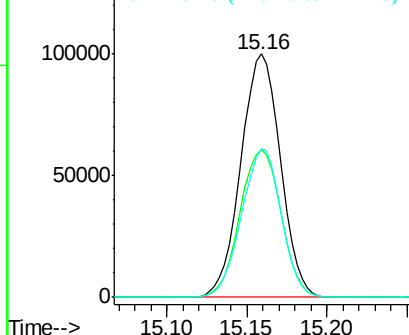
Tot Ion	Ratio	Resp	Lower	Upper
225	100	168869		
223	62.8	30.8	92.3	
227	61.0	31.7	95.1	

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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: 47.02 ug/l

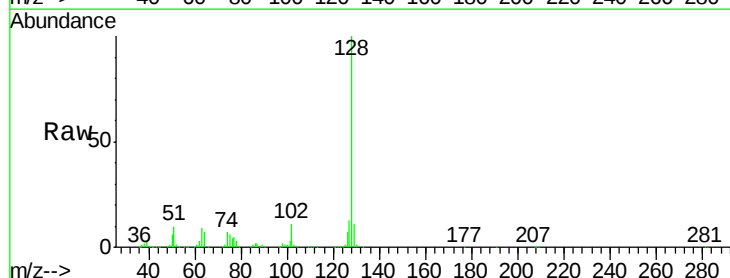
RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

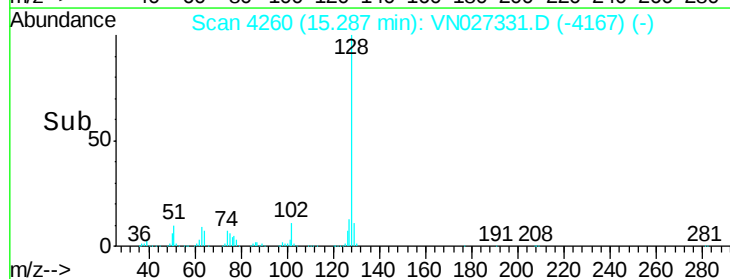
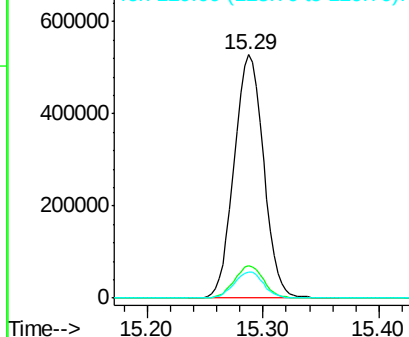
Lab File: VN027331.D

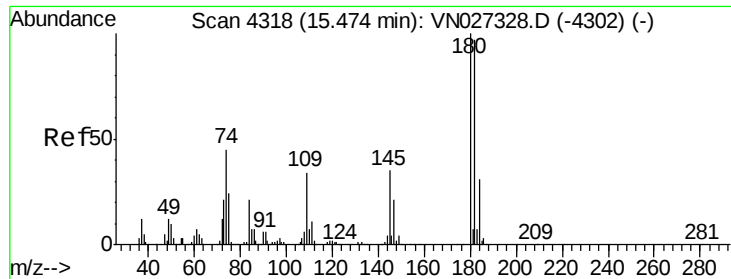
Acq: 21 Sep 2015 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	931798		
127	13.2	10.4	15.6	
129	10.7	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: 50.81 ug/l
 RT: 15.47 min Scan# 4318
 Delta R.T. 0.00 min
 Lab File: VN027331.D
 Acq: 21 Sep 2015 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092115

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.0	48.8	146.4
145	35.4	16.6	49.8

Manual Integrations
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