

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
 Data File : VN027173.D
 Acq On : 15 Sep 2015 17:47
 Operator : MD\FY
 Sample : VSTDICC200
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC200

Manual Integrations
 APPROVED

MMDadoda
 9/16/2015 11:47:01 AM

Quant Time: Sep 15 19:01:53 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 17:32:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	542652	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1030287	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	900430	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	359938	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	2228931	313.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	626.92%	
36) Dibromofluoromethane	7.68	113	1390023	220.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	440.10%	
51) Toluene-d8	10.19	98	5501767	218.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	436.22%	
63) 4-Bromofluorobenzene	12.52	95	2051861	248.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	496.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	1287496	297.20	ug/l	100
3) Chlorodifluoromethane	1.81	51	1622288	271.82	ug/l	94
4) Chloromethane	2.01	50	1497209	225.95	ug/l	99
5) Vinyl Chloride	2.14	62	1505552	231.08	ug/l	99
6) Bromomethane	2.51	94	778941	215.77	ug/l	98
7) Chloroethane	2.67	64	981321	273.44	ug/l	100
8) Trichlorofluoromethane	3.01	101	2216736	283.66	ug/l	97
9) Diethyl Ether	3.42	74	1035784	295.43	ug/l	86
10) 1,1,2-Trichlorotrifluoroet	3.79	101	1387249	258.86	ug/l	96
11) Methyl Iodide	3.99	142	1476480	238.58	ug/l	92
12) Tert butyl alcohol	4.80	59	1013877	1997.70	ug/l	98
13) 1,1-Dichloroethene	3.76	96	1347216	261.87	ug/l	93
14) Acrolein	3.61	56	1304267	1478.50	ug/l	97
15) Allyl chloride	4.36	41	2651542	302.92	ug/l #	84
16) Acrylonitrile	5.02	53	3731792	1532.34	ug/l	98
17) Acetone	3.82	43	2990176	1420.89	ug/l	96
18) Carbon Disulfide	4.10	76	4352121	269.94	ug/l	99
19) Methyl Acetate	4.36	43	4485860	323.40	ug/l	96
20) Methyl tert-butyl Ether	5.11	73	5370598	308.00	ug/l	96
21) Methylene Chloride	4.59	84	1606006	256.22	ug/l	98
22) trans-1,2-Dichloroethene	5.12	96	1446433	250.54	ug/l	94
23) Diisopropyl ether	6.03	45	5733679	303.07	ug/l	93
24) Vinyl Acetate	5.97	43	10235927	1802.01	ug/l	98
25) 1,1-Dichloroethane	5.93	63	3269221	304.68	ug/l	100
26) 2-Butanone	6.91	43	4504441	1560.27	ug/l	98
27) 2,2-Dichloropropane	6.92	77	2835773	334.80	ug/l	93
28) cis-1,2-Dichloroethene	6.92	96	1682741	249.77	ug/l	93
29) Bromochloromethane	7.29	49	1267705	245.54	ug/l	98
30) Tetrahydrofuran	7.31	42	2899244	1526.70	ug/l	92
31) Chloroform	7.46	83	3029011	279.82	ug/l	98
32) Cyclohexane	7.77	56	3020729	240.19	ug/l	95
33) 1,1,1-Trichloroethane	7.67	97	2672918	291.68	ug/l	97
37) 1,1-Dichloropropene	7.89	75	2365445	244.59	ug/l	98
38) Ethyl Acetate	7.01	43	2005288	292.16	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	2155158	235.84	ug/l	100
40) Methylcyclohexane	9.19	83	2851881	243.71	ug/l	99
41) Benzene	8.14	78	6629646	222.11	ug/l	100
42) Methacrylonitrile	7.24	41	1180315	265.78	ug/l #	92
43) 1,2-Dichloroethane	8.22	62	2719599	265.03	ug/l	95
44) Isopropyl Acetate	8.25	43	3740429	300.96	ug/l	98
45) Trichloroethene	8.93	130	1366939	187.94	ug/l	90
46) 1,2-Dichloropropane	9.22	63	1870810	241.06	ug/l	100
47) Dibromomethane	9.30	93	1119074	241.92	ug/l	93
48) Bromodichloromethane	9.49	83	2424904	252.14	ug/l	100
49) Methyl methacrylate	9.29	41	1876992	297.13	ug/l #	90
50) 1,4-Dioxane	9.30	88	418549	4604.72	ug/l	97
52) 4-Methyl-2-Pentanone	10.07	43	9336793	1324.66	ug/l	99
53) Toluene	10.26	92	3951098	218.20	ug/l	98
54) t-1,3-Dichloropropene	10.47	75	2790099	290.51	ug/l	99
55) cis-1,3-Dichloropropene	9.93	75	2947599	264.08	ug/l	93
56) 1,1,2-Trichloroethane	10.66	97	1459755	211.19	ug/l	99
57) Ethyl methacrylate	10.52	69	2512876	268.94	ug/l #	92
58) 1,3-Dichloropropane	10.81	76	2729053	238.40	ug/l	98
59) 2-Chloroethyl Vinyl ether	9.78	63	6058092	1666.22	ug/l	97
60) 2-Hexanone	10.84	43	6423612	1368.45	ug/l	100
61) Dibromochloromethane	11.00	129	1518968	213.30	ug/l	99
62) 1,2-Dibromoethane	11.11	107	1466380	221.79	ug/l	99
65) Tetrachloroethene	10.74	164	1041138	161.96	ug/l	95
66) Chlorobenzene	11.54	112	4005333	204.18	ug/l	99
67) 1,1,1,2-Tetrachloroethane	11.62	131	1327638	195.98	ug/l	99
68) Ethyl Benzene	11.62	91	7581831	229.82	ug/l	100
69) m/p-Xylenes	11.73	106	5346623	435.84	ug/l	91
70) o-Xylene	12.06	106	2642665	218.90	ug/l	90
71) Styrene	12.07	104	4451878	229.40	ug/l	95
72) Bromoform	12.24	173	955172	203.60	ug/l #	98
74) Isopropylbenzene	12.36	105	7113429	229.05	ug/l	98
75) N-amyl acetate	12.17	43	3197398	336.39	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	1916887	227.41	ug/l	99
77) 1,2,3-Trichloropropane	12.66	75	1829664m	256.88	ug/l	
78) Bromobenzene	12.64	156	1362866	182.09	ug/l	89
79) n-propylbenzene	12.71	91	8736669	255.62	ug/l	98
80) 2-Chlorotoluene	12.79	91	5139987	242.89	ug/l	94
81) 1,3,5-Trimethylbenzene	12.85	105	5897942	249.98	ug/l	95
82) trans-1,4-Dichloro-2-buten	12.40	75	789814	315.49	ug/l	91
83) 4-Chlorotoluene	12.89	91	5291274	258.47	ug/l	95
84) tert-Butylbenzene	13.11	119	4690670	222.06	ug/l	90
85) 1,2,4-Trimethylbenzene	13.16	105	5894157	247.76	ug/l	95
86) sec-Butylbenzene	13.29	105	7112869	243.89	ug/l	99
87) p-Isopropyltoluene	13.41	119	5528160	232.74	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	2499072	193.12	ug/l	95
89) 1,4-Dichlorobenzene	13.49	146	2488802	191.16	ug/l	95
90) n-Butylbenzene	13.74	91	5906499	286.82	ug/l	99
91) Hexachloroethane	14.01	117	1146547	242.34	ug/l	92
92) 1,2-Dichlorobenzene	13.78	146	2417040	189.23	ug/l	96

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ClientSampleId :
VSTDICC200

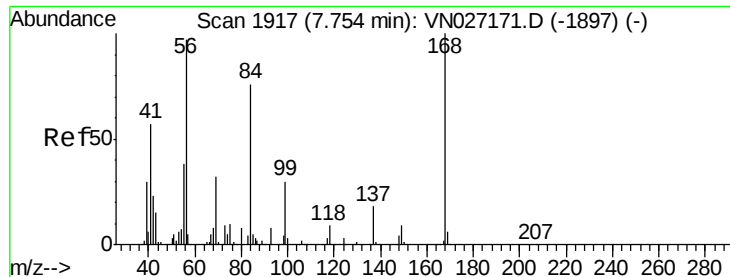
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	442797	352.77	ug/l	86
94) 1,2,4-Trichlorobenzene	15.05	180	1570558	243.52	ug/l	98
95) Hexachlorobutadiene	15.16	225	709872	198.62	ug/l	98
96) Naphthalene	15.29	128	4726916	306.34	ug/l	100
97) 1,2,3-Trichlorobenzene	15.47	180	1538587	240.28	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

Instrument :

MSVOA_N

ClientSampled :

VSTDIC200

Tot Ion:168 Resp: 542652

Ion Ratio Lower Upper

168 100

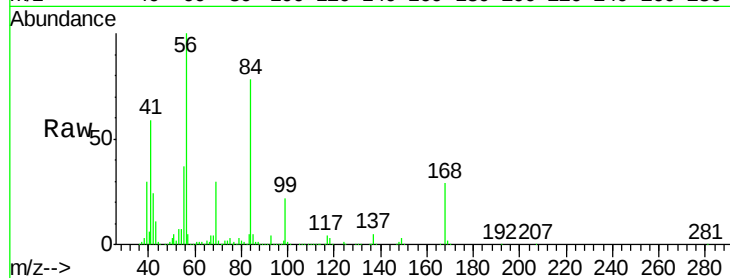
99 75.6 50.4 75.6#

Manual Integrations

APPROVED

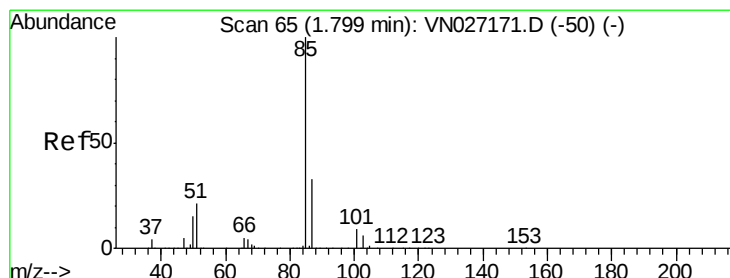
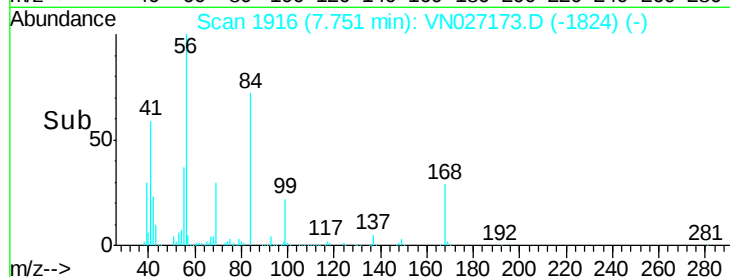
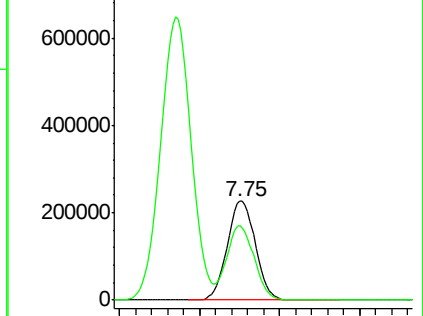
MMDadoda

9/16/2015 11:47:01 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 297.20 ug/l

RT: 1.80 min Scan# 64

Delta R.T. -0.00 min

Lab File: VN027173.D

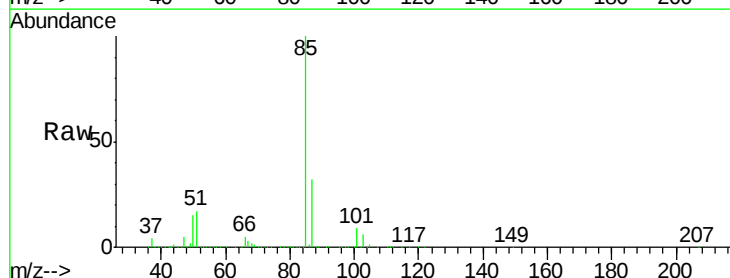
Acq: 15 Sep 2015 17:47

Tgt Ion: 85 Resp: 1287496

Ion Ratio Lower Upper

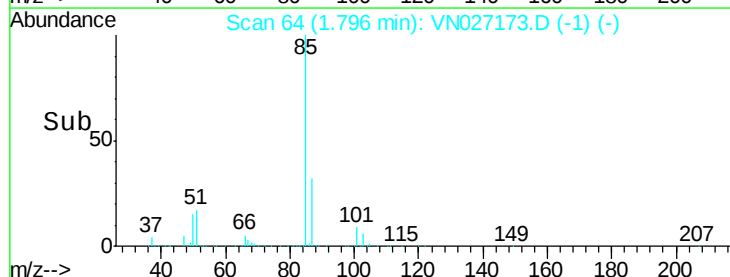
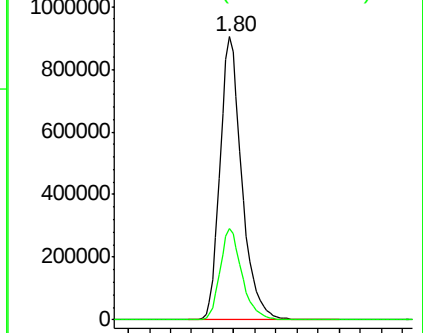
85 100

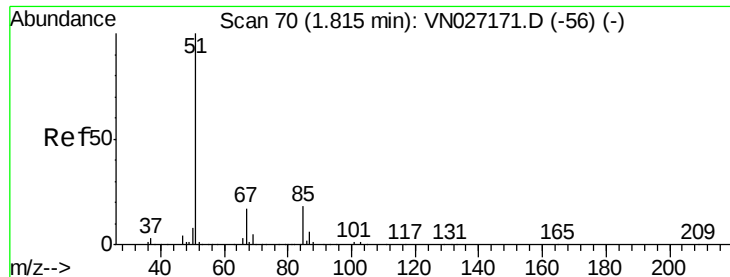
87 32.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chlorodifluoromethane

Concen: 271.82 ug/l

RT: 1.81 min Scan# 69

Delta R.T. -0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

Tot Ion: 51 Resp: 1622288

Ion Ratio Lower Upper

51 100

67 17.7 12.2 18.2

Instrument :

MSVOA_N

ClientSampleId :

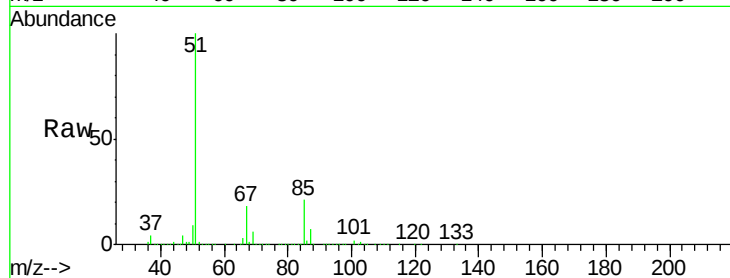
VSTDIC200

Manual Integrations

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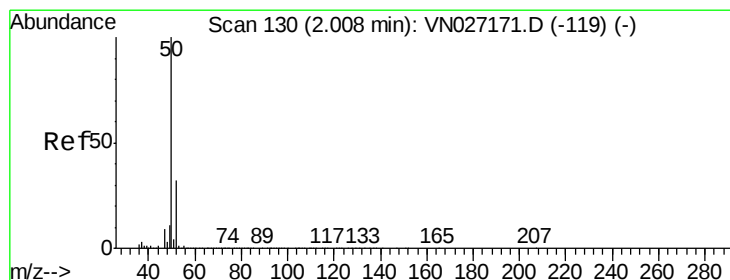
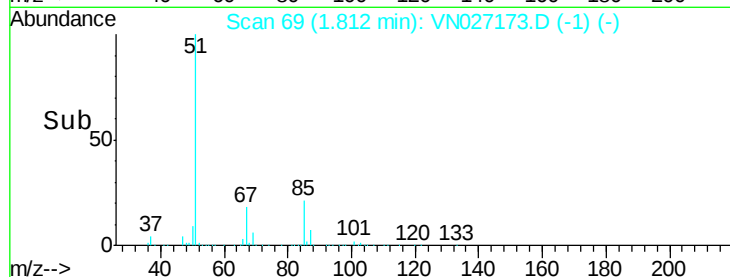
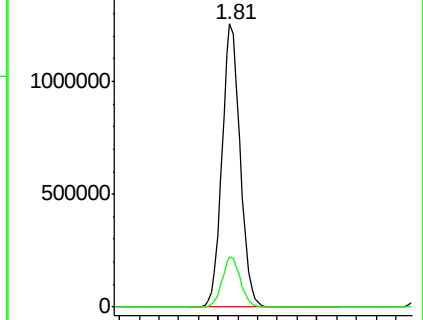
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Abundance Ion 51.00 (50.70 to 51.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#4

Chloromethane

Concen: 225.95 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027173.D

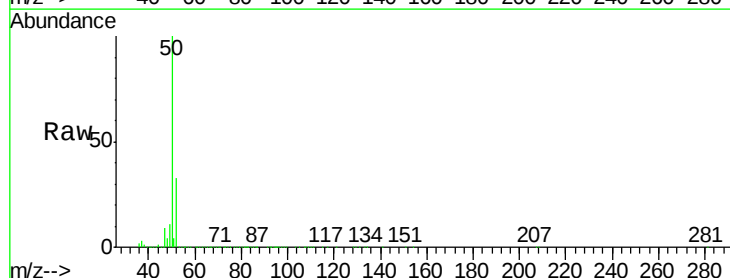
Acq: 15 Sep 2015 17:47

Tgt Ion: 50 Resp: 1497209

Ion Ratio Lower Upper

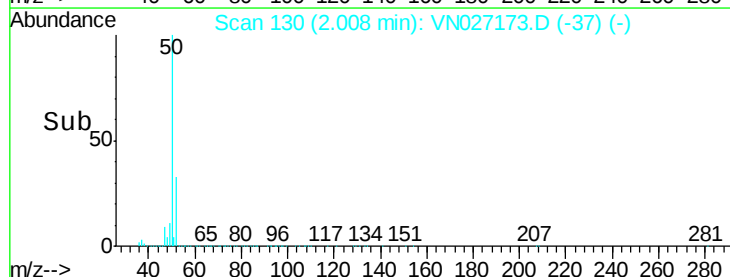
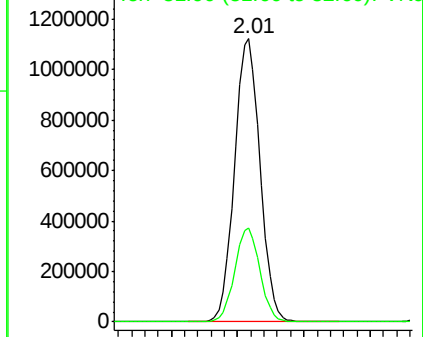
50 100

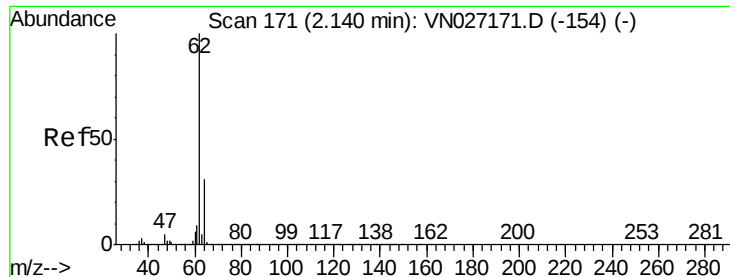
52 33.0 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#5

Vinyl Chloride

Concen: 231.08 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC200

Tot Ion: 62 Resp: 1505552

Ion Ratio Lower Upper

62 100

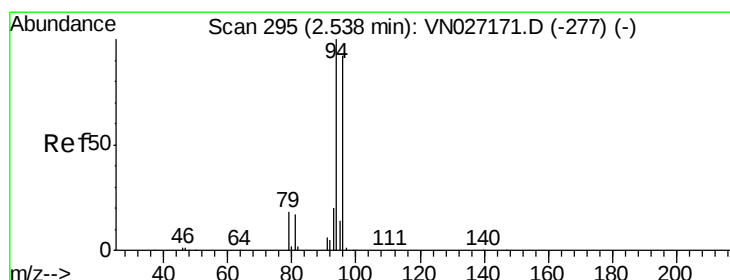
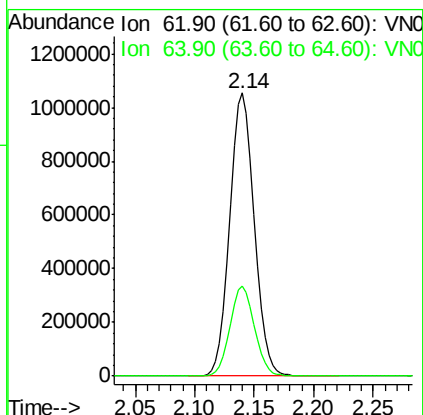
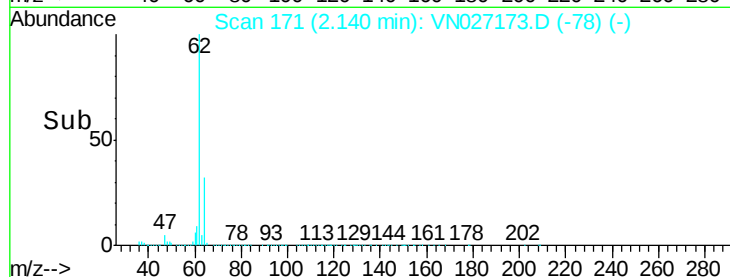
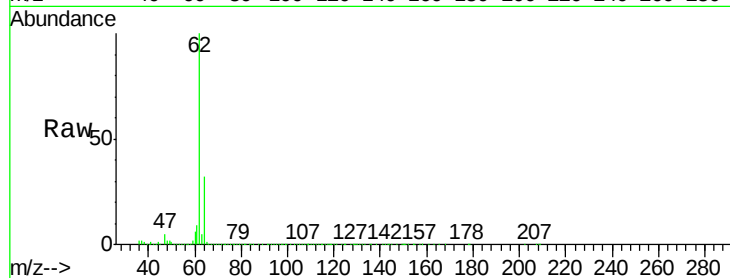
64 31.6 25.9 38.9

Manual Integrations

APPROVED

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9/16/2015 11:47:01 AM



#6

Bromomethane

Concen: 215.77 ug/l

RT: 2.51 min Scan# 287

Delta R.T. -0.03 min

Lab File: VN027173.D

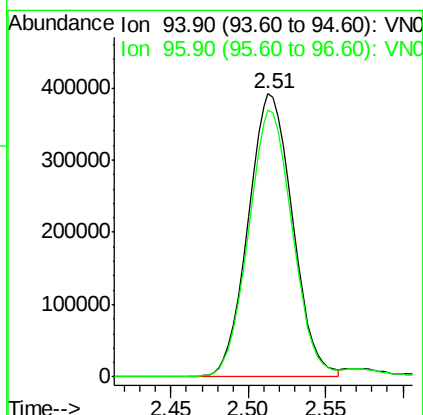
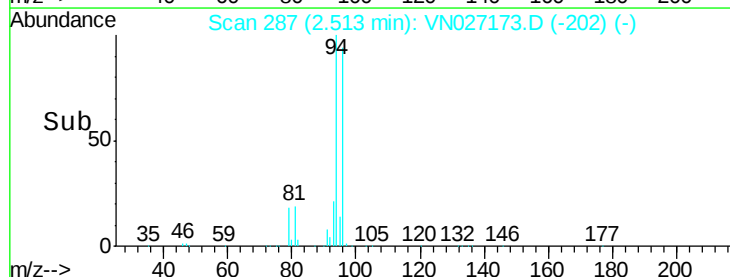
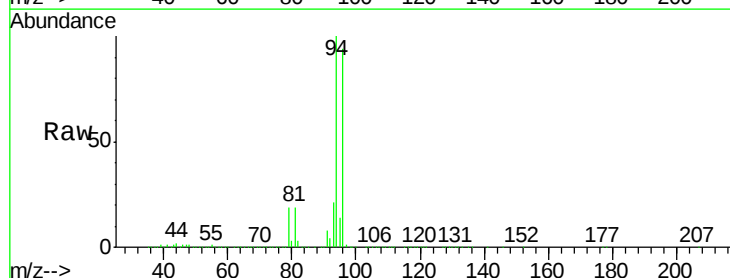
Acq: 15 Sep 2015 17:47

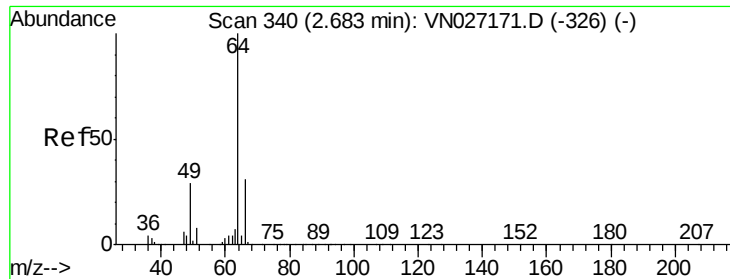
Tgt Ion: 94 Resp: 778941

Ion Ratio Lower Upper

94 100

96 94.2 73.4 110.2





#7

Chloroethane

Concen: 273.44 ug/l

RT: 2.67 min Scan# 336

Delta R.T. -0.01 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC200

Tot Ion: 64 Resp: 981321

Ion Ratio Lower Upper

64 100

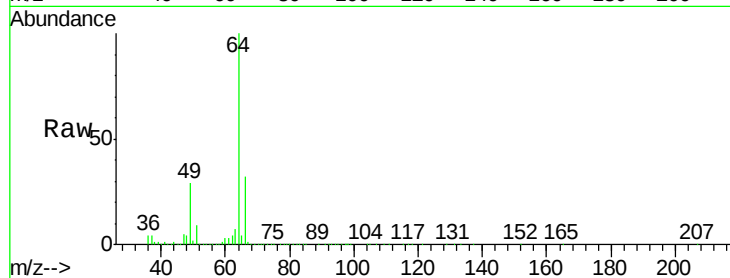
66 31.7 25.5 38.3

Manual Integrations

APPROVED

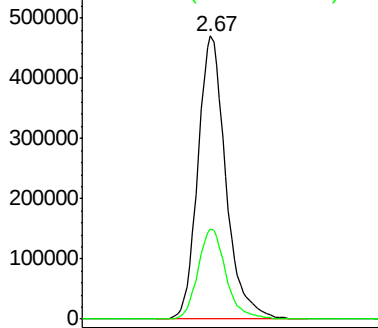
MMDadoda

9/16/2015 11:47:01 AM

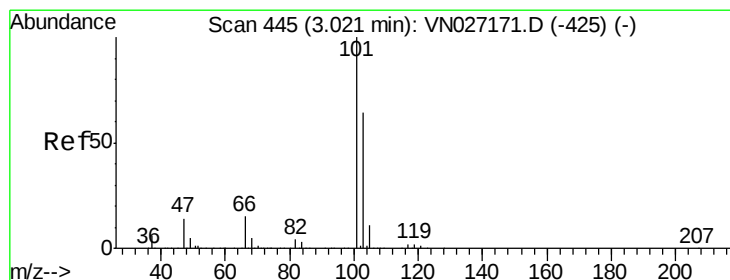
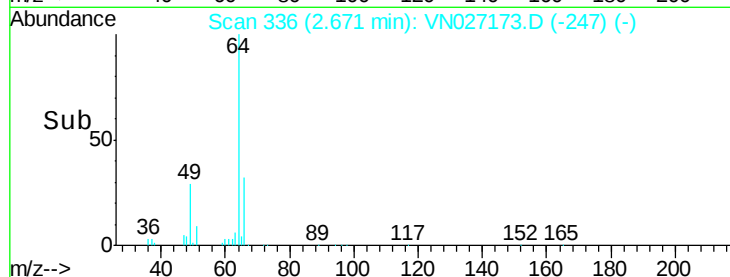


Abundance Ion 63.90 (63.60 to 64.60): VN027173.D (-336) (-)

Ion 65.90 (65.60 to 66.60): VN027173.D (-336) (-)



Time-->



#8

Trichlorofluoromethane

Concen: 283.66 ug/l

RT: 3.01 min Scan# 443

Delta R.T. -0.01 min

Lab File: VN027173.D

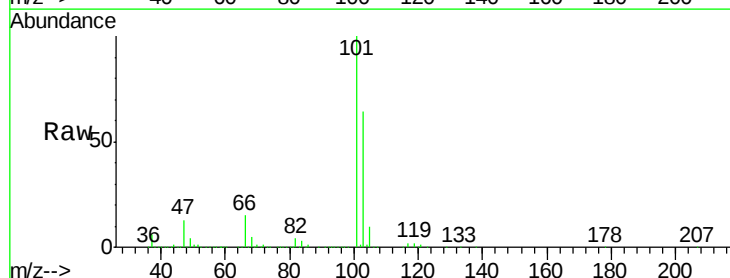
Acq: 15 Sep 2015 17:47

Tgt Ion:101 Resp: 2216736

Ion Ratio Lower Upper

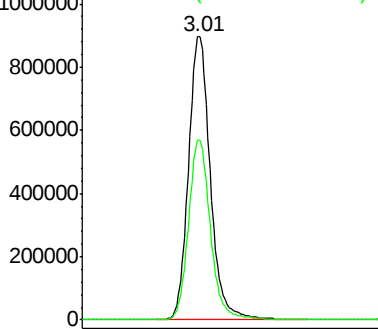
101 100

103 63.6 52.6 79.0

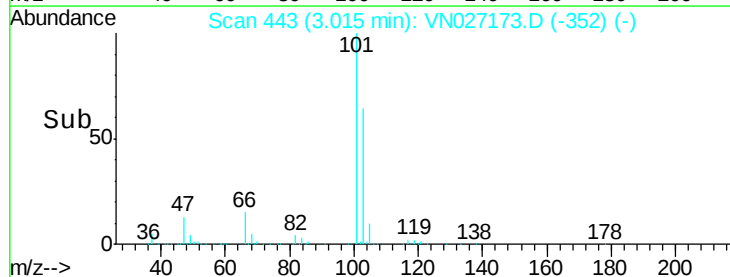


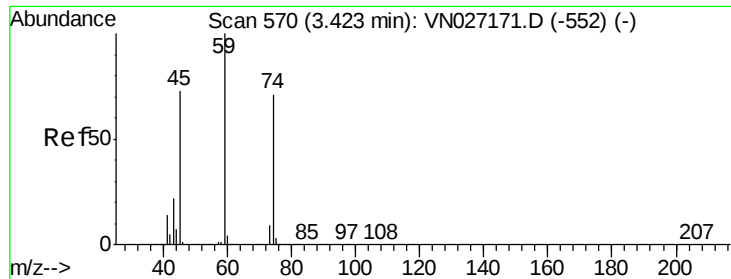
Abundance Ion 100.90 (100.60 to 101.60): VN027173.D (-443) (-)

Ion 102.80 (102.50 to 103.50): VN027173.D (-443) (-)



Time-->





#9

Diethyl Ether

Concen: 295.43 ug/l

RT: 3.42 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC200

Tot Ion: 74 Resp: 1035784

Ion Ratio Lower Upper

74 100

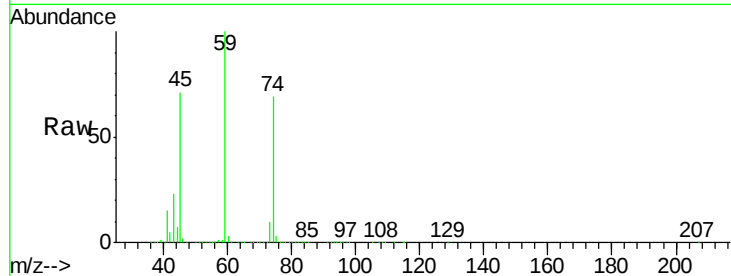
45 100.7 58.1 174.3

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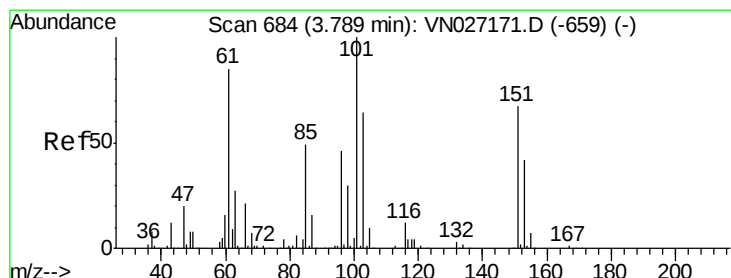
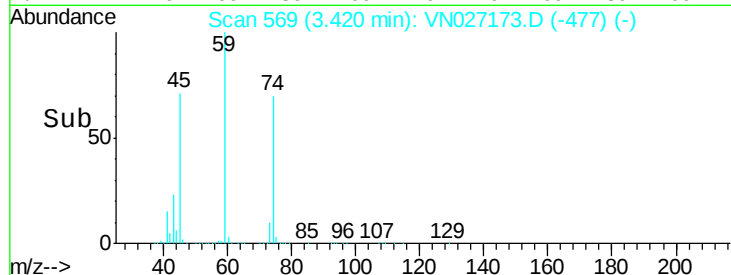


Abundance Ion 74.00 (73.70 to 74.70): VN027173.D (-552) (-)

Ion 45.00 (44.70 to 45.70): VN027173.D (-552) (-)

3.42

Time-->



#10

1,1,2-Trichlorotrifluoroethane

Concen: 258.86 ug/l

RT: 3.79 min Scan# 683

Delta R.T. -0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

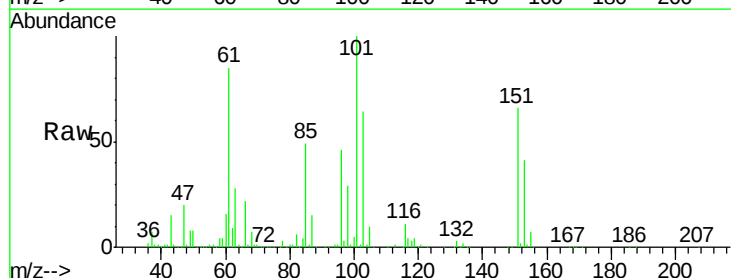
Tgt Ion:101 Resp: 1387249

Ion Ratio Lower Upper

101 100

85 48.7 37.4 56.0

151 66.5 55.9 83.9



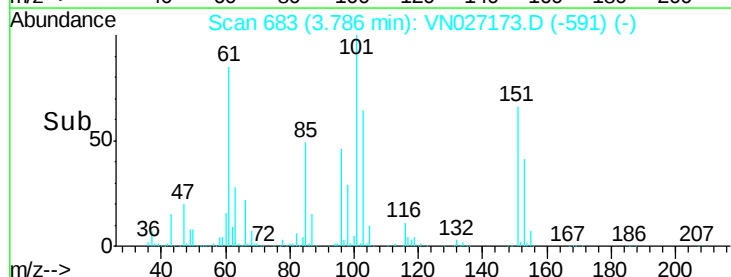
Abundance Ion 100.90 (100.60 to 101.60): VN027173.D (-659) (-)

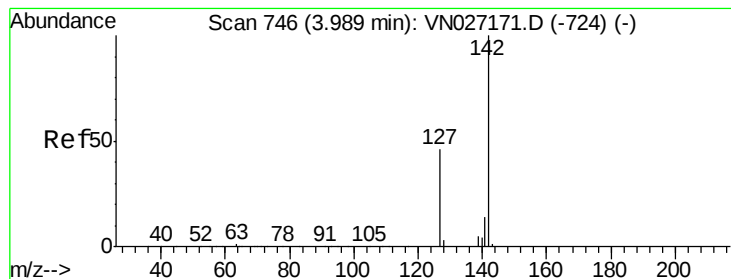
Ion 84.90 (84.60 to 85.60): VN027173.D (-659) (-)

Ion 150.80 (150.50 to 151.50): VN027173.D (-659) (-)

3.79

Time-->





#11

Methvl Iodide

Concen: 238.58 ug/l

RT: 3.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC200

Tot Ion:142 Resp: 1476480

Ion Ratio Lower Upper

142 100

127 47.4 32.3 48.5

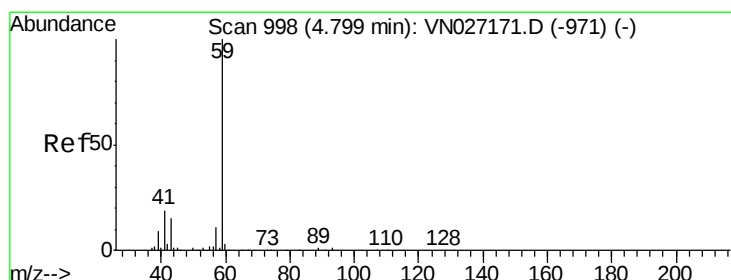
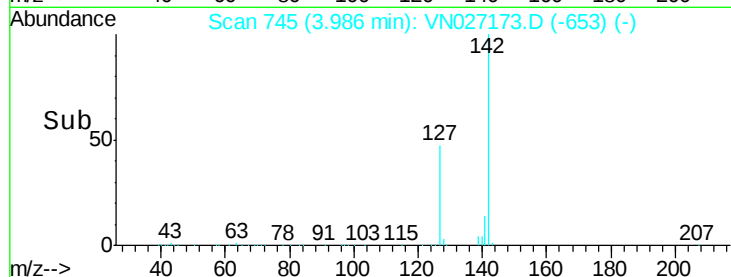
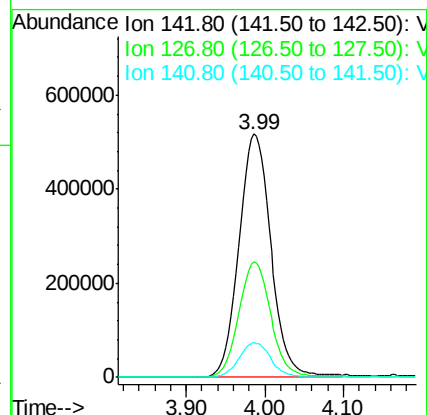
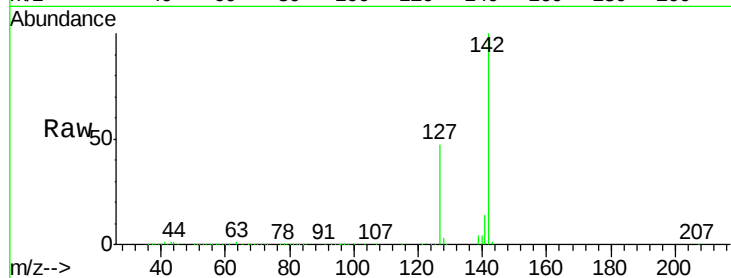
141 14.0 11.2 16.8

Manual Integrations

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#12

Tert butyl alcohol

Concen: 1997.70 ug/l

RT: 4.80 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN027173.D

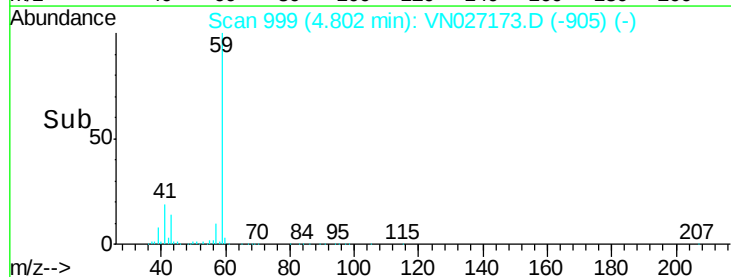
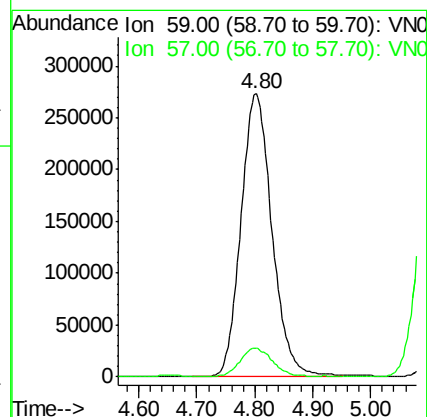
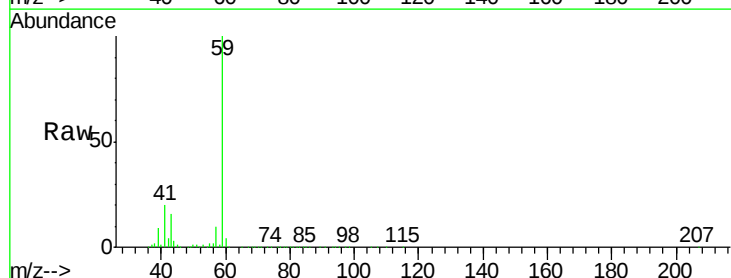
Acq: 15 Sep 2015 17:47

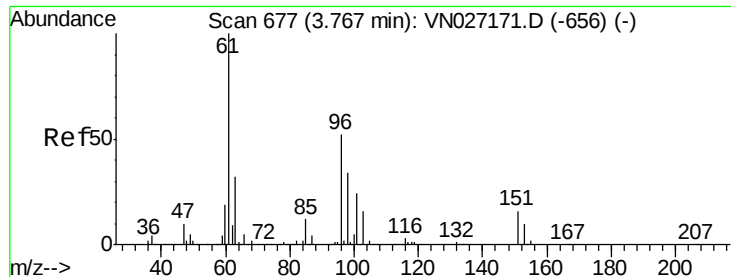
Tgt Ion: 59 Resp: 1013877

Ion Ratio Lower Upper

59 100

57 10.4 7.6 11.4





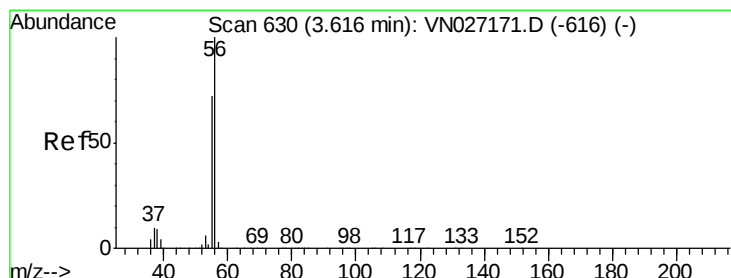
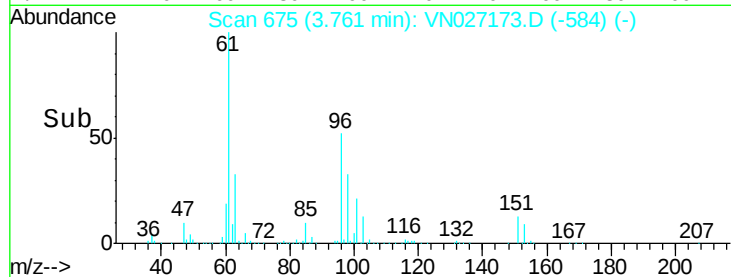
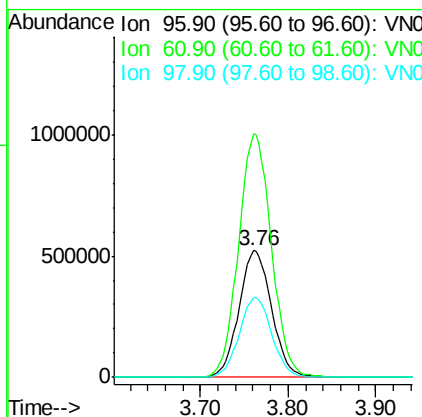
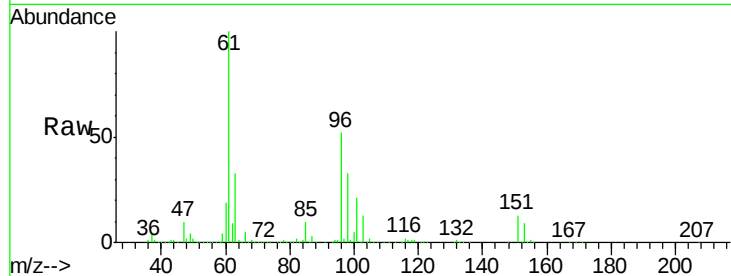
#13
 1,1-Dichloroethene
 Concen: 261.87 ug/l
 RT: 3.76 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: VN027173.D
 Acq: 15 Sep 2015 17:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC200

Tot Ion	Ratio	Lower	Upper
96	100		
61	192.2	143.8	215.8
98	62.5	50.3	75.5

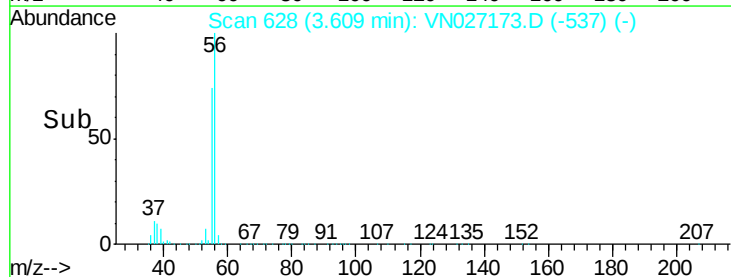
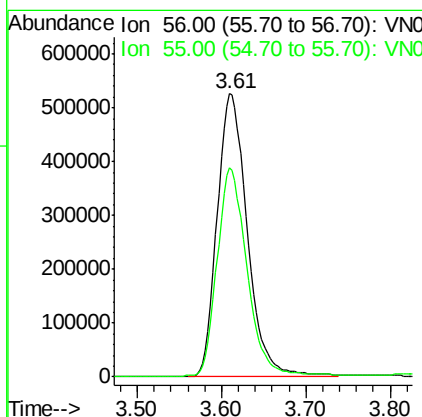
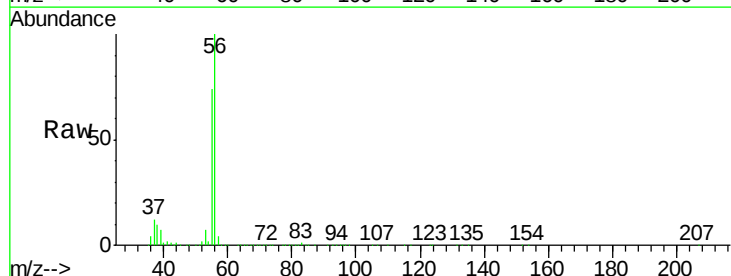
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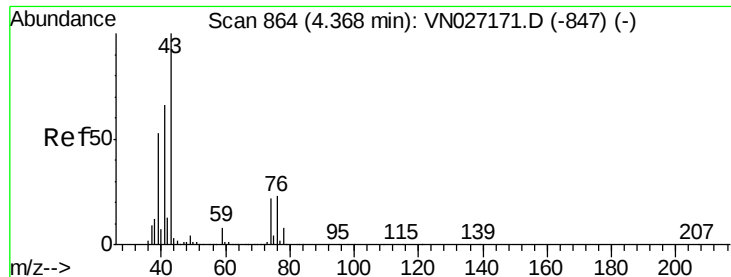
MMDadoda
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#14
 Acrolein
 Concen: 1478.50 ug/l
 RT: 3.61 min Scan# 628
 Delta R.T. -0.01 min
 Lab File: VN027173.D
 Acq: 15 Sep 2015 17:47

Tgt Ion	Ratio	Lower	Upper
56	100		
55	72.3	55.7	83.5





#15

Allvl chloride

Concen: 302.92 ug/l

RT: 4.36 min Scan# 863

Delta R.T. -0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC200

Tot Ion: 41 Resp: 2651542

Ion Ratio Lower Upper

41 100

39 78.4 49.7 74.5#

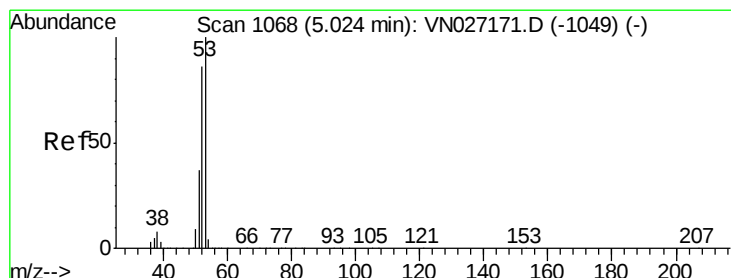
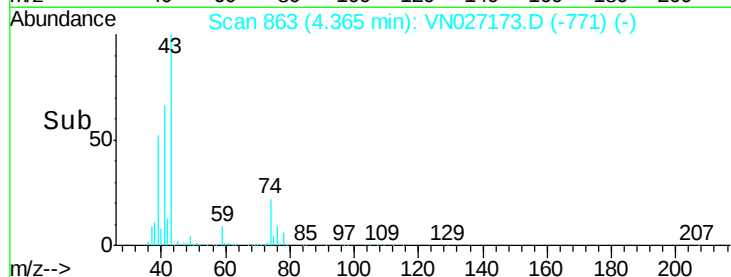
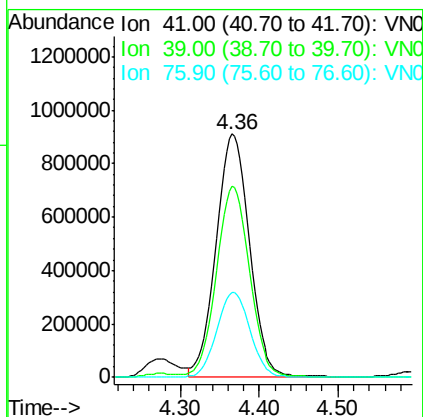
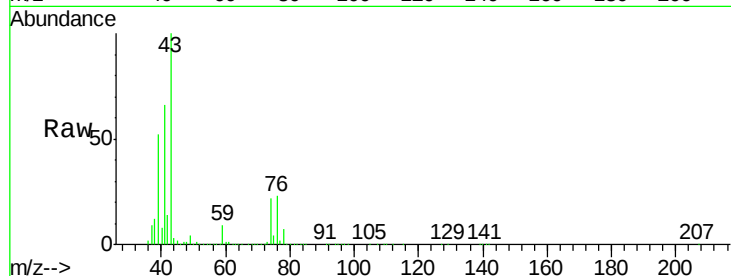
76 34.7 24.8 37.2

Manual Integrations

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#16

Acrylonitrile

Concen: 1532.34 ug/l

RT: 5.02 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

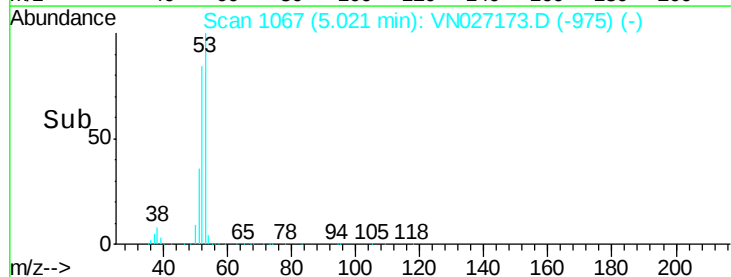
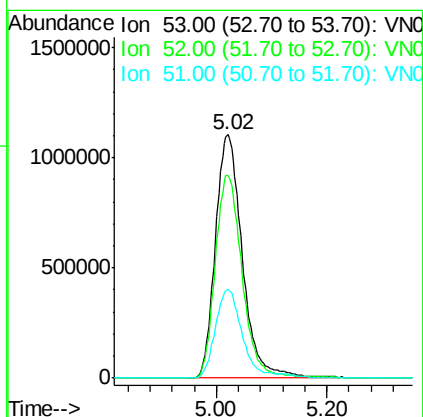
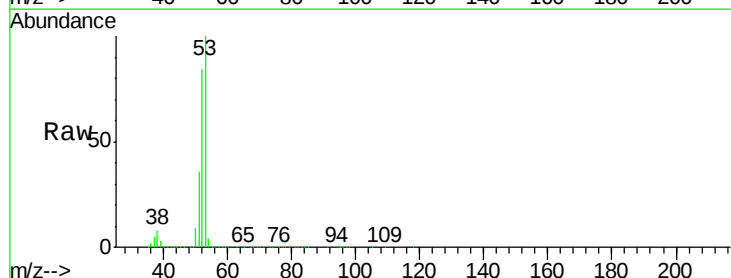
Tgt Ion: 53 Resp: 3731792

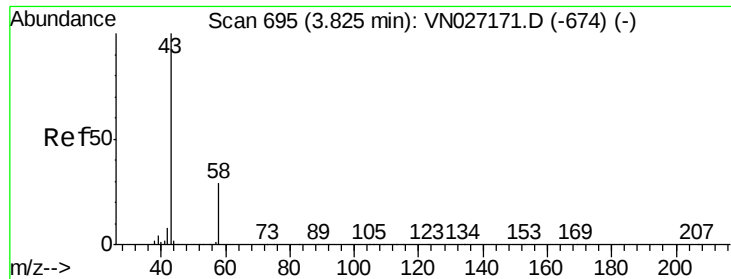
Ion Ratio Lower Upper

53 100

52 83.3 66.9 100.3

51 37.0 27.4 41.0





#17

Acetone

Concen: 1420.89 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC200

Tot Ion: 43 Resp: 2990176

Ion Ratio Lower Upper

43 100

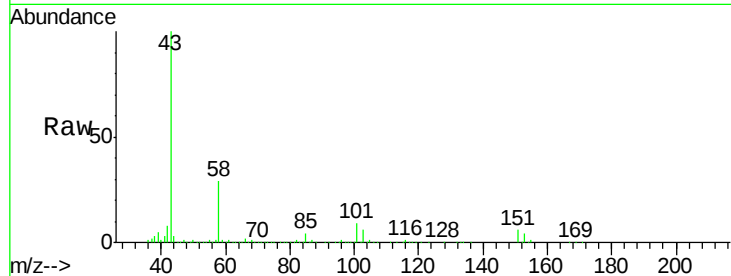
58 29.2 25.4 38.0

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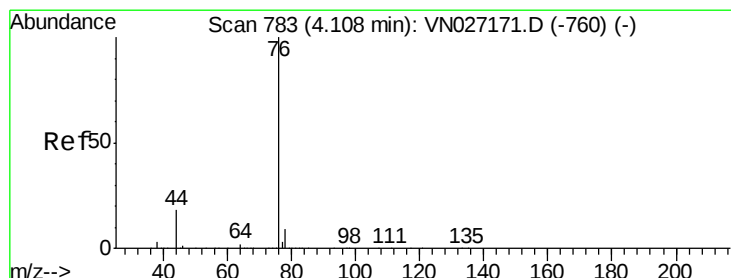
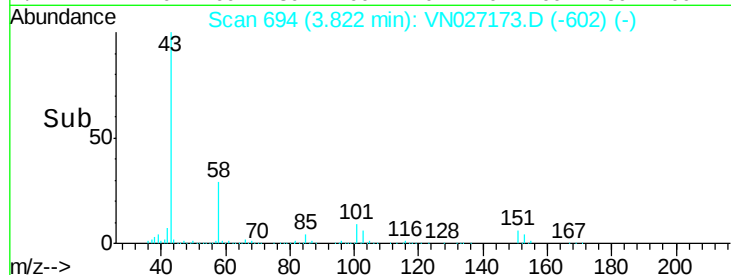
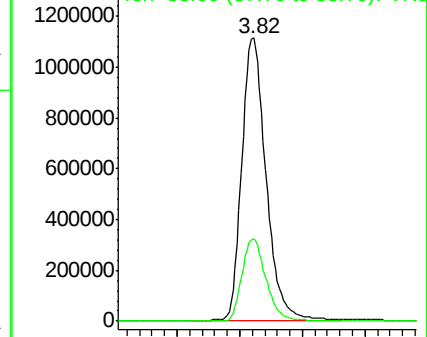
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Carbon Disulfide

Concen: 269.94 ug/l

RT: 4.10 min Scan# 782

Delta R.T. -0.00 min

Lab File: VN027173.D

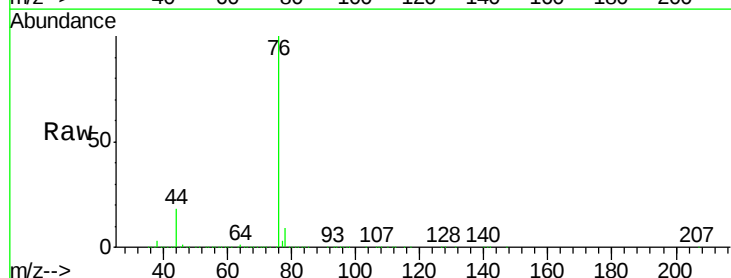
Acq: 15 Sep 2015 17:47

Tgt Ion: 76 Resp: 4352121

Ion Ratio Lower Upper

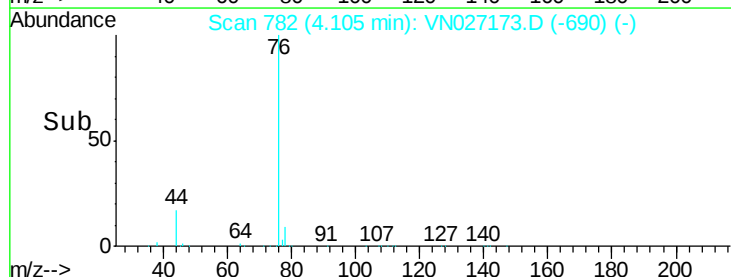
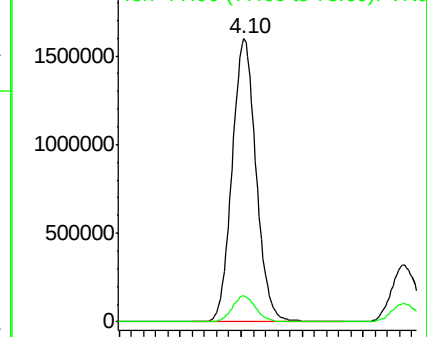
76 100

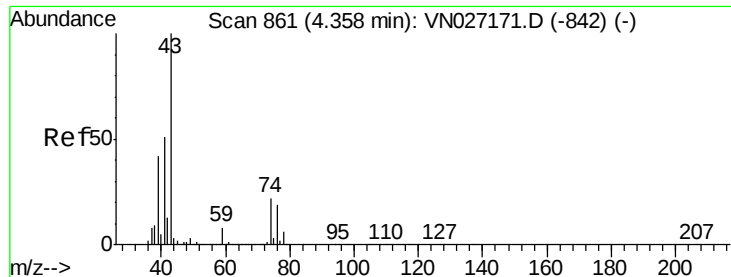
78 9.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





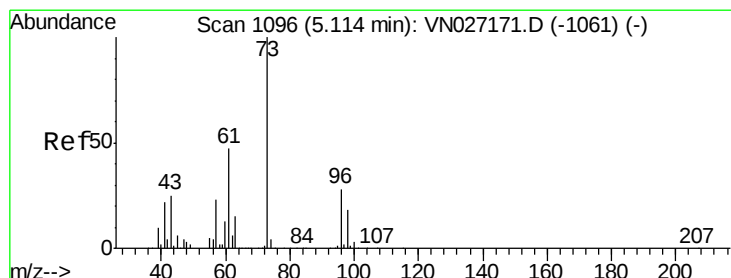
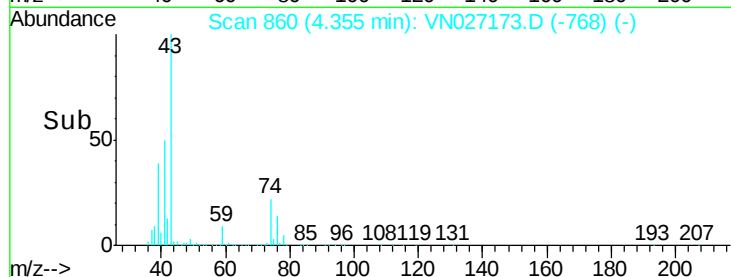
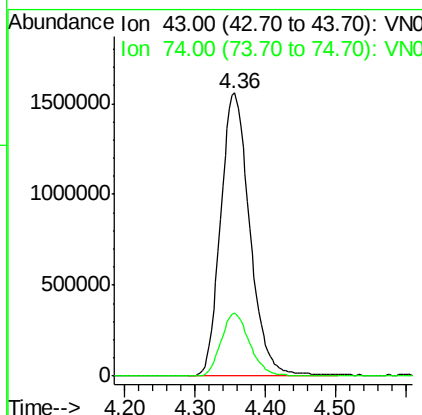
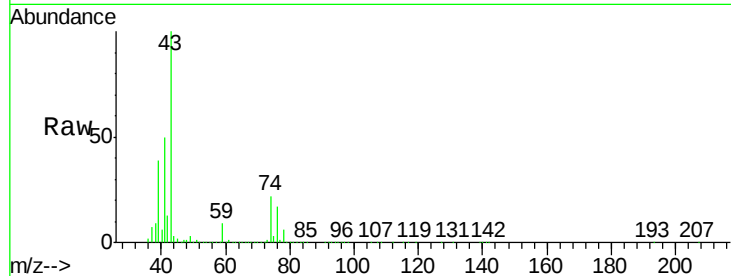
#19
Methyl Acetate
Concen: 323.40 ug/l
RT: 4.36 min Scan# 860
Delta R.T. -0.00 min
Lab File: VN027173.D
Acq: 15 Sep 2015 17:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC200

Tot Ion: 43 Resp: 4485860
Ion Ratio Lower Upper
43 100
74 22.1 16.2 24.2

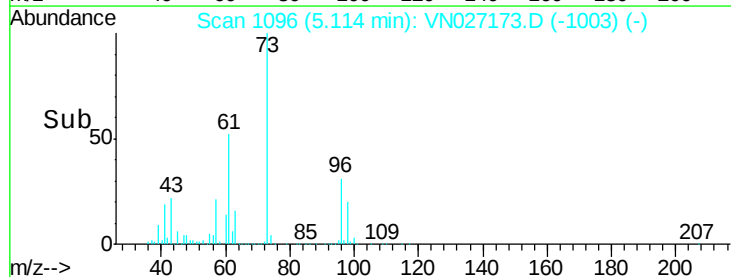
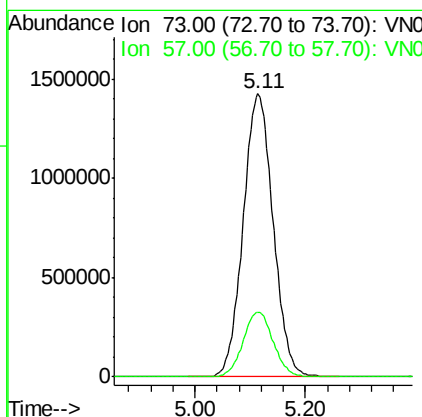
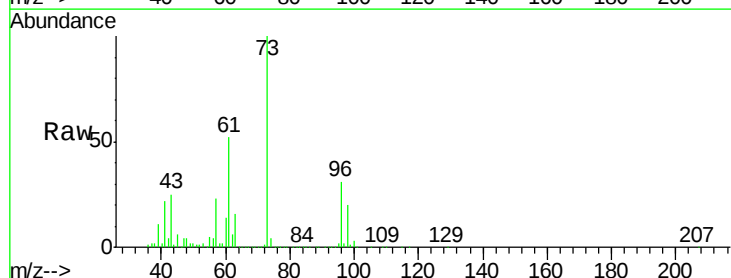
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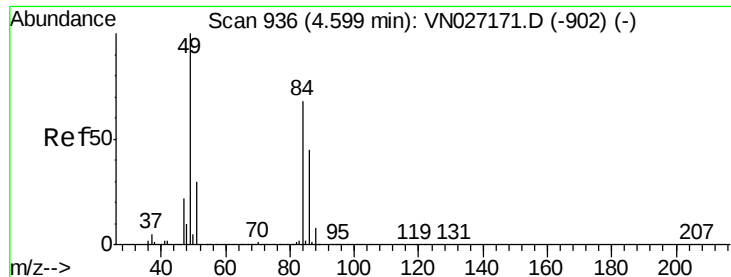
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#20
Methyl tert-butyl Ether
Concen: 308.00 ug/l
RT: 5.11 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VN027173.D
Acq: 15 Sep 2015 17:47

Tgt Ion: 73 Resp: 5370598
Ion Ratio Lower Upper
73 100
57 22.9 19.8 29.6





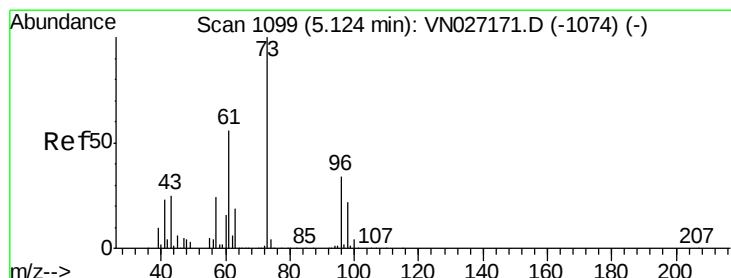
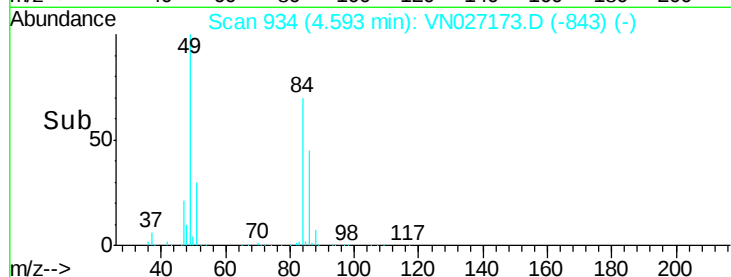
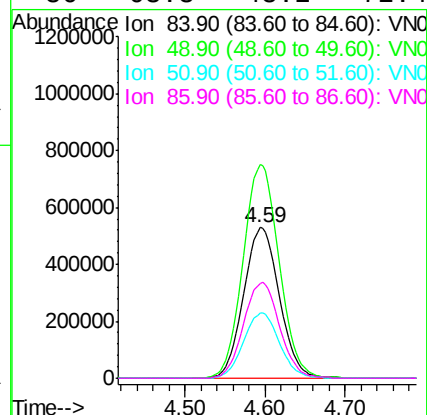
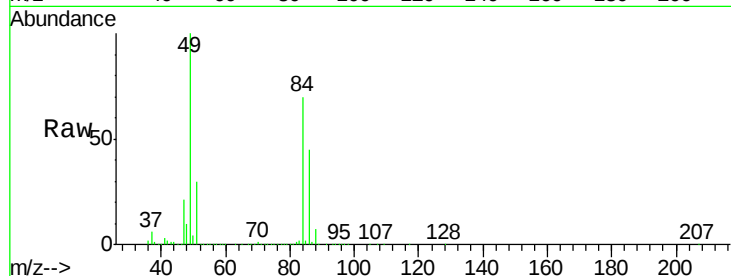
#21
Methvlene Chloride
Concen: 256.22 ug/l
RT: 4.59 min Scan# 934
Delta R.T. -0.01 min
Lab File: VN027173.D
Acq: 15 Sep 2015 17:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC200

Tot Ion	84	Resp	1606006
Ion	Ratio	Lower	Upper
84	100		
49	142.0	112.3	168.5
51	43.0	33.8	50.8
86	63.3	48.2	72.4

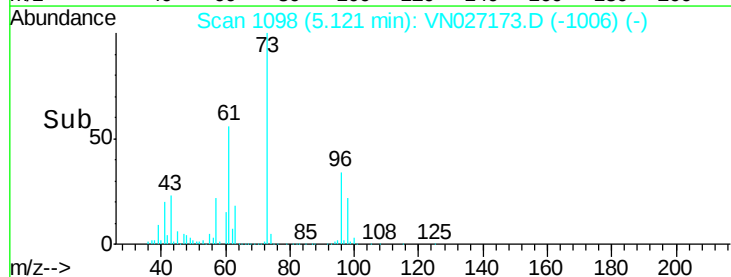
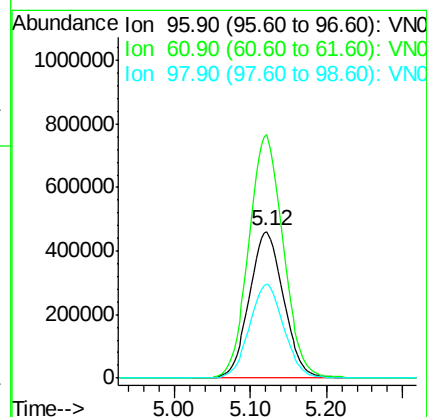
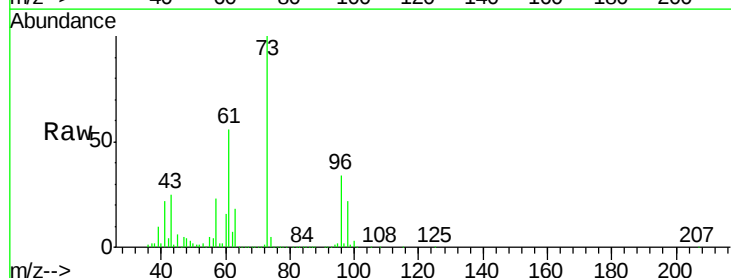
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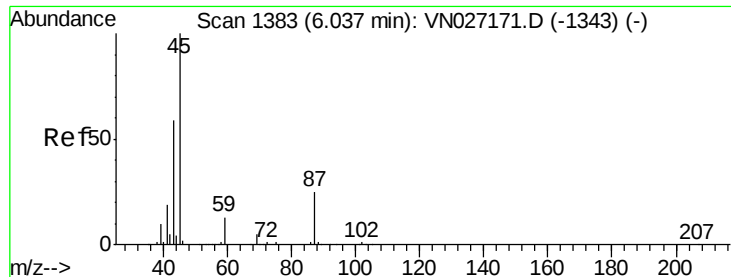
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 250.54 ug/l
RT: 5.12 min Scan# 1098
Delta R.T. -0.00 min
Lab File: VN027173.D
Acq: 15 Sep 2015 17:47

Tgt Ion	96	Resp	1446433
Ion	Ratio	Lower	Upper
96	100		
61	166.0	126.6	189.8
98	63.8	47.4	71.2





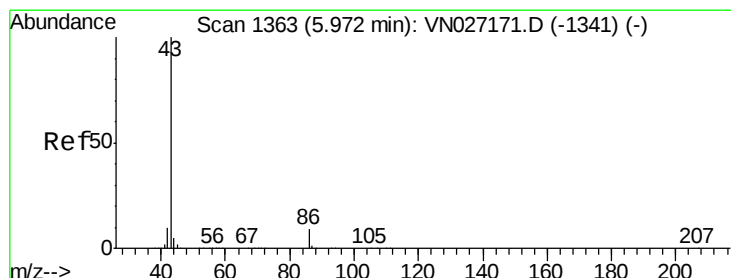
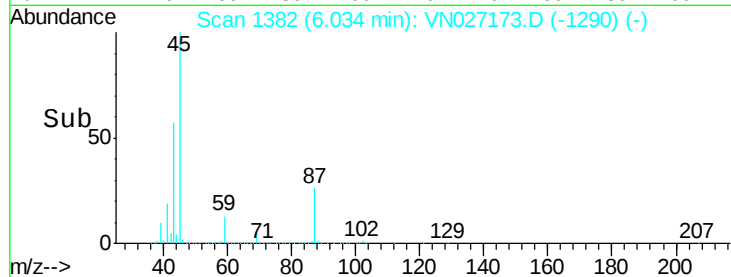
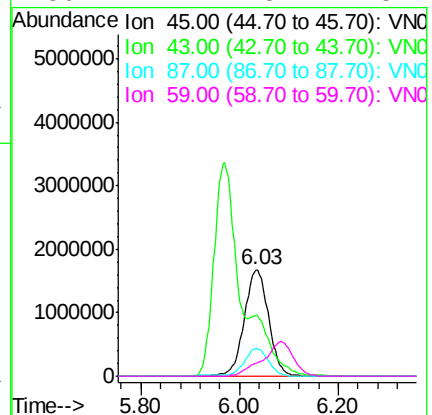
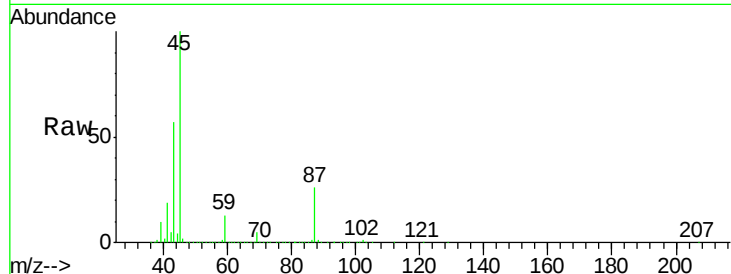
#23
Diisopropyl ether
Concen: 303.07 ug/l
RT: 6.03 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VN027173.D
Acq: 15 Sep 2015 17:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC200

Tot Ion	Ion	Ratio	Lower	Upper
45	100			
43	56.8	41.0	61.6	
87	25.8	17.5	26.3	
59	12.4	8.7	13.1	

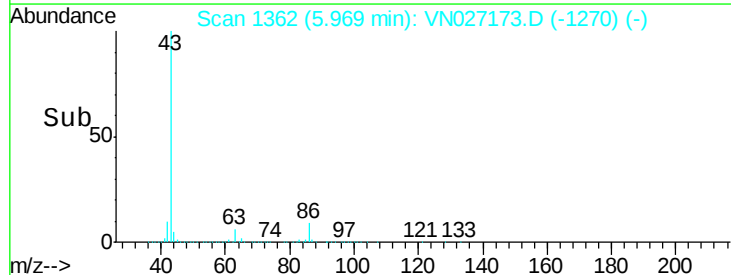
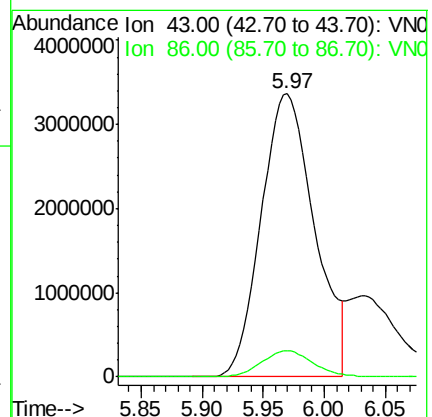
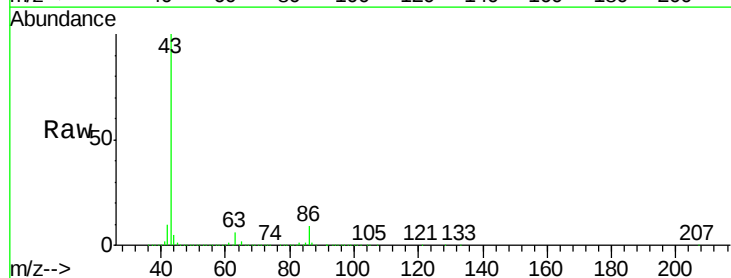
Manual Integrations
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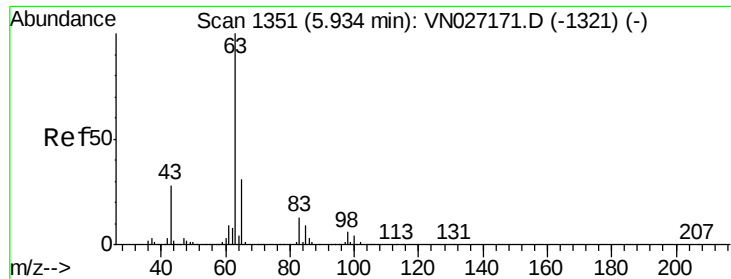
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#24
Vinyl Acetate
Concen: 1802.01 ug/l
RT: 5.97 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VN027173.D
Acq: 15 Sep 2015 17:47

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
86	9.2	6.9	10.3	





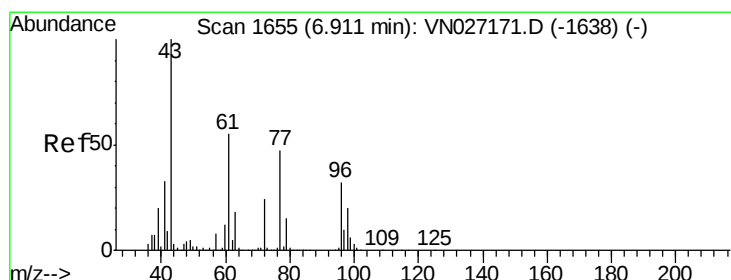
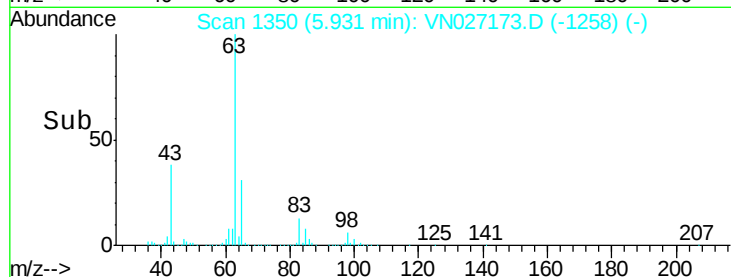
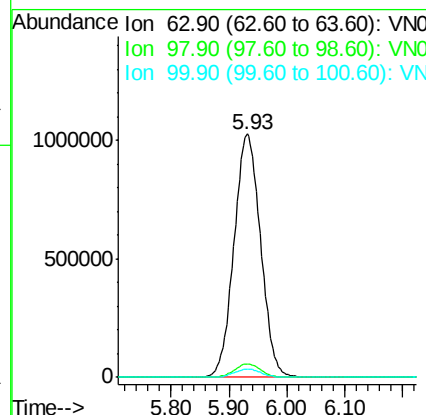
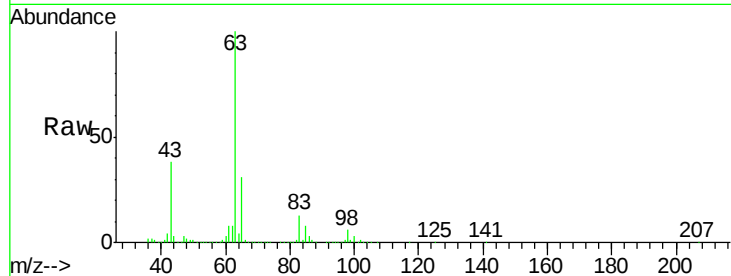
#25
 1,1-Dichloroethane
 Concen: 304.68 ug/l
 RT: 5.93 min Scan# 1350
 Delta R.T. -0.00 min
 Lab File: VN027173.D
 Acq: 15 Sep 2015 17:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC200

Tot Ion	Ratio	Lower	Upper
63	100		
98	5.6	2.8	8.3
100	3.4	1.7	5.0

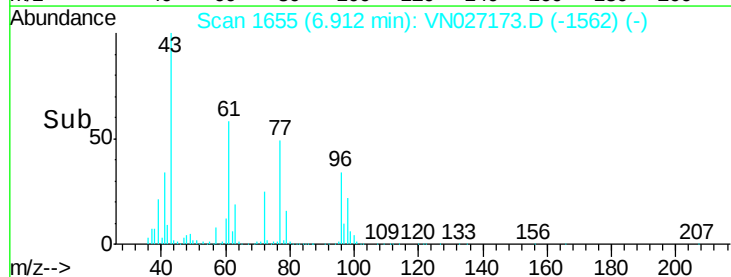
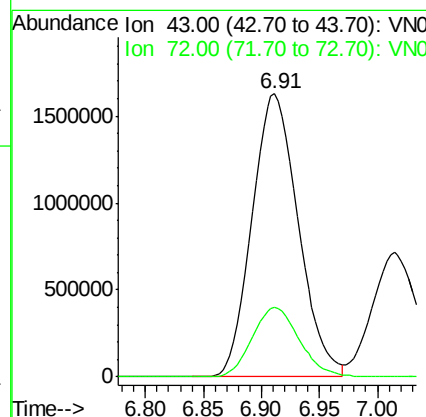
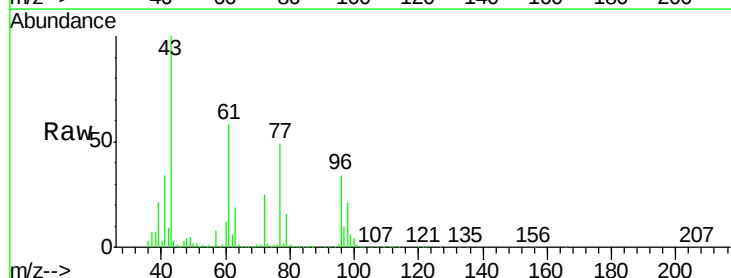
Manual Integrations
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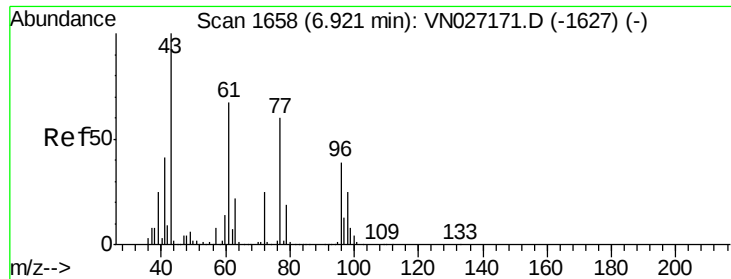
MMDadoda
 9/16/2015 11:47:01 AM



#26
 2-Butanone
 Concen: 1560.27 ug/l
 RT: 6.91 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VN027173.D
 Acq: 15 Sep 2015 17:47

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.7	18.8	28.2





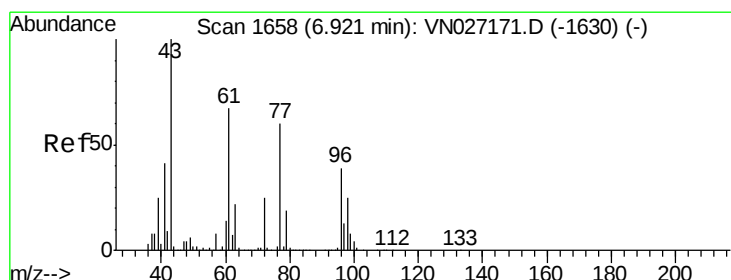
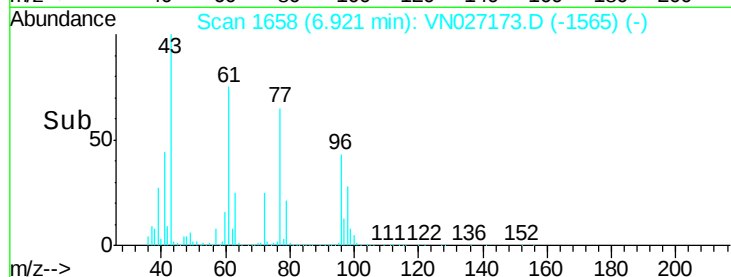
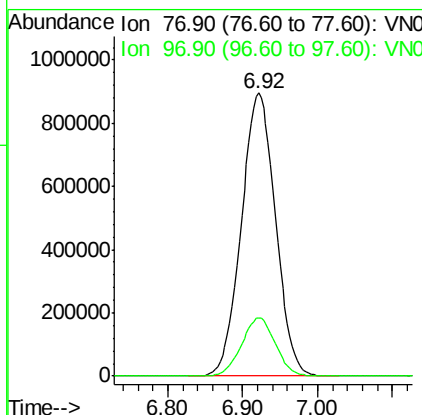
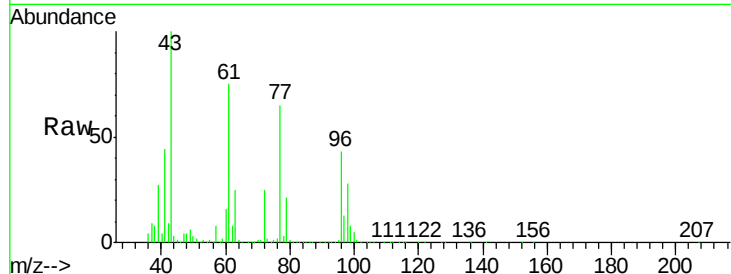
#27
 2,2-Dichloropropane
 Concen: 334.80 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027173.D
 Acq: 15 Sep 2015 17:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC200

Tot Ion: 77 Resp: 2835773
 Ion Ratio Lower Upper
 77 100
 97 20.3 11.8 35.3

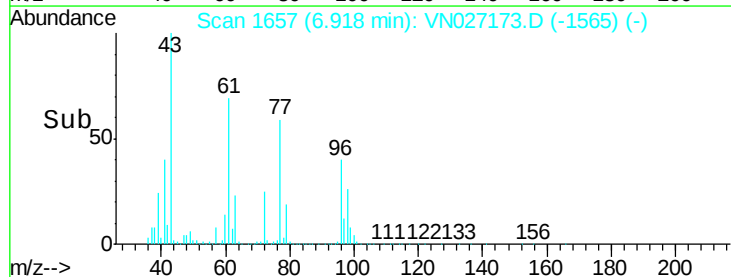
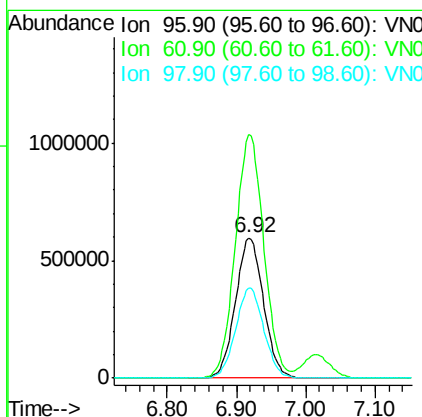
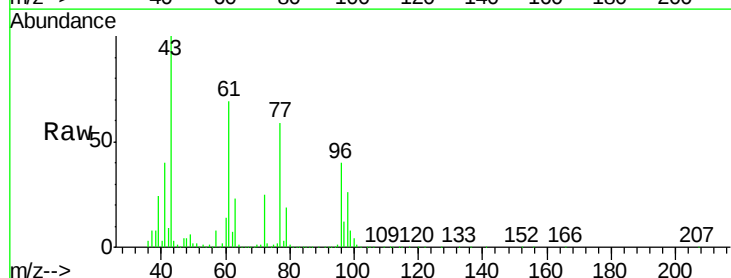
Manual Integrations
 APPROVED

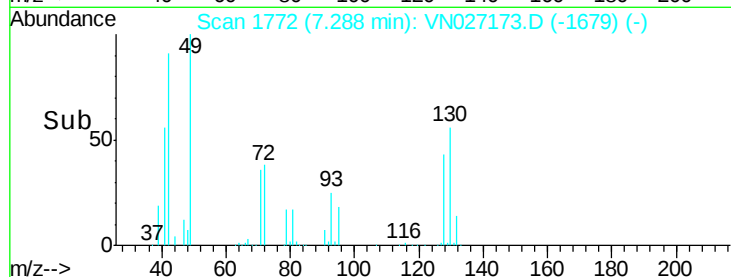
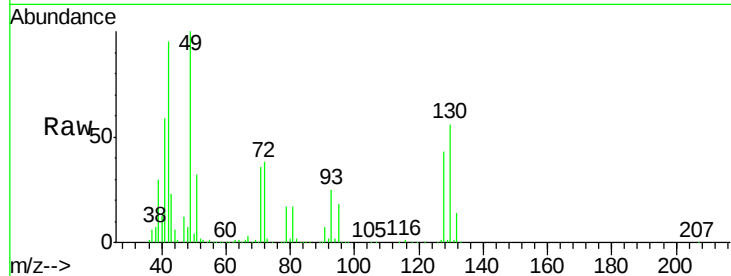
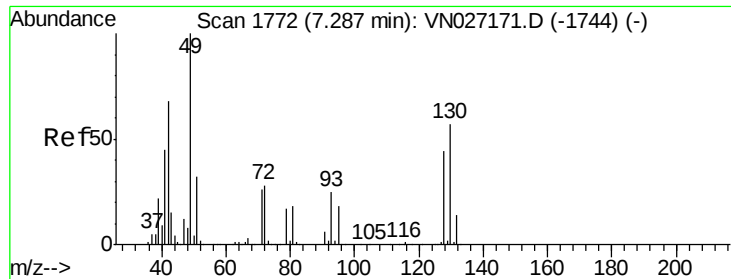
MMDadoda
 9/16/2015 11:47:01 AM



#28
 cis-1,2-Dichloroethene
 Concen: 249.77 ug/l
 RT: 6.92 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VN027173.D
 Acq: 15 Sep 2015 17:47

Tgt Ion: 96 Resp: 1682741
 Ion Ratio Lower Upper
 96 100
 61 176.3 0.0 329.2
 98 64.5 0.0 126.0





#29

Bromochloromethane

Concen: 245.54 ug/l

RT: 7.29 min Scan# 1772

Delta R.T. 0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

Tot Ion: 49 Resp: 1267705

Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.2

130 55.5 43.2 64.8

Instrument :

MSVOA_N

ClientSampleId :

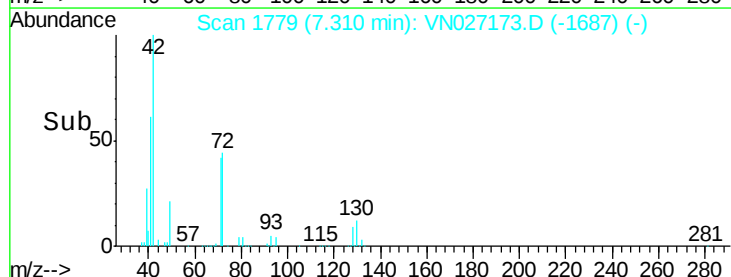
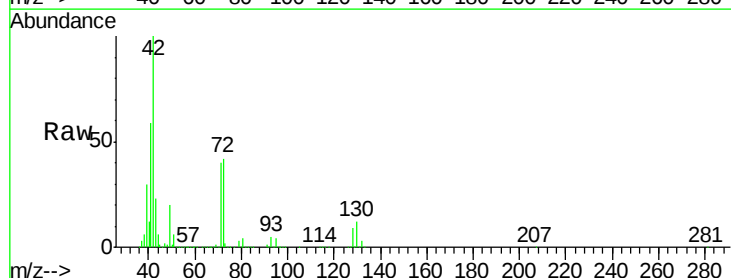
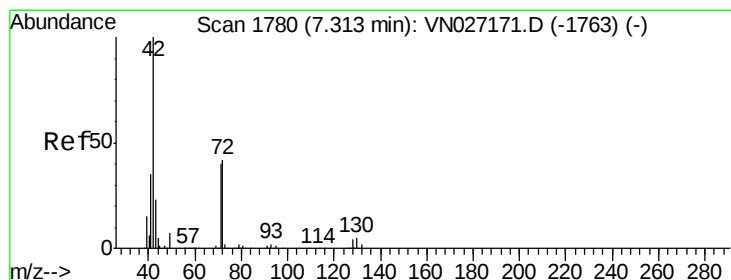
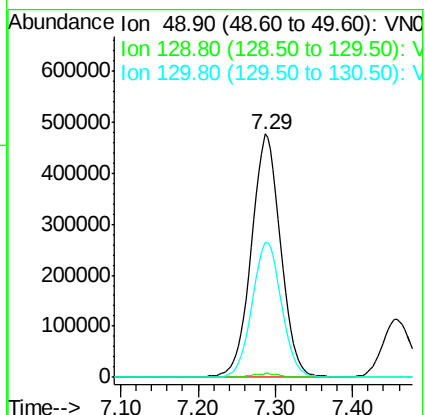
VSTDIC200

Manual Integrations

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#30

Tetrahydrofuran

Concen: 1526.70 ug/l

RT: 7.31 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

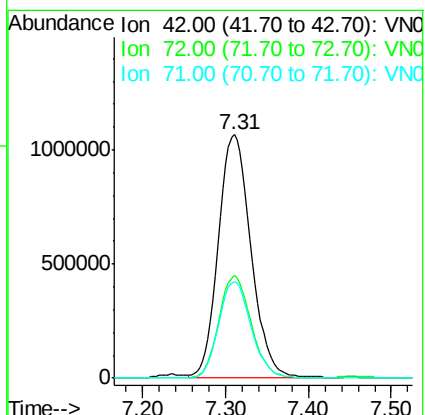
Tgt Ion: 42 Resp: 2899244

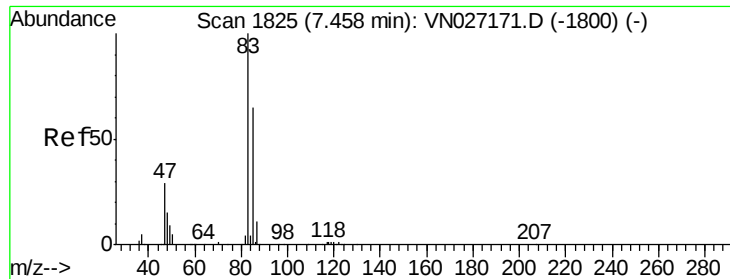
Ion Ratio Lower Upper

42 100

72 42.0 29.9 44.9

71 39.8 28.3 42.5





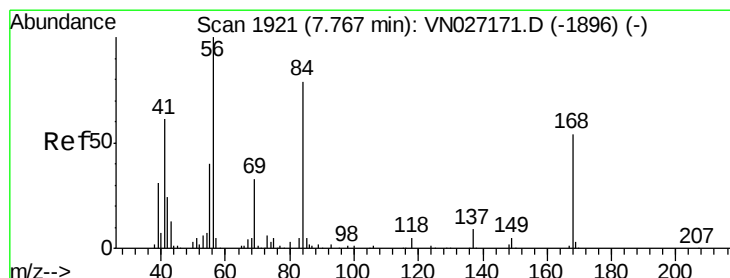
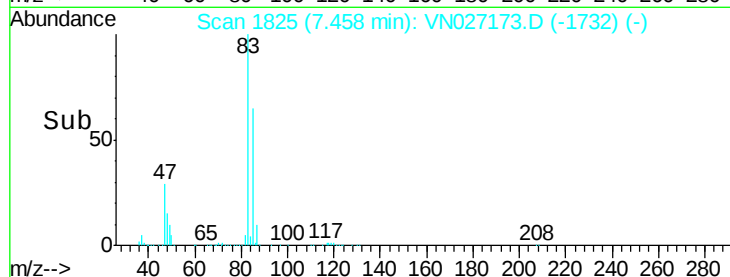
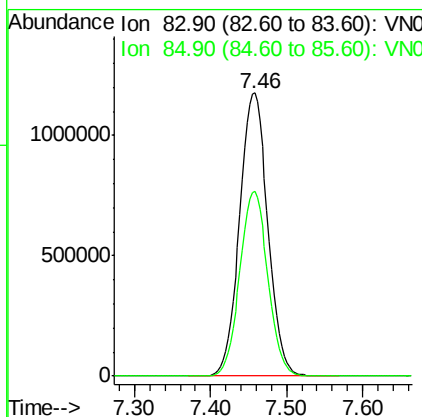
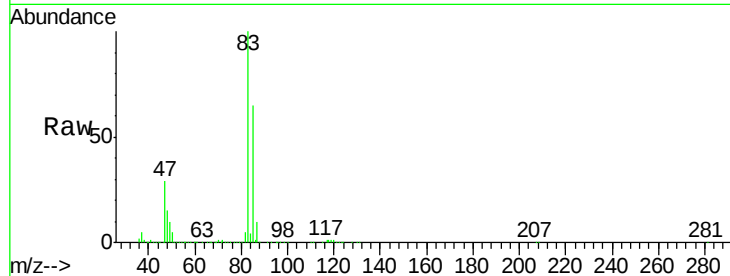
#31
Chloroform
Concen: 279.82 ug/l
RT: 7.46 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN027173.D
Acq: 15 Sep 2015 17:47

Instrument :
MSVOA_N
ClientSampled :
VSTDICC200

Tot Ion: 83 Resp: 3029011
Ion Ratio Lower Upper
83 100
85 65.2 51.1 76.7

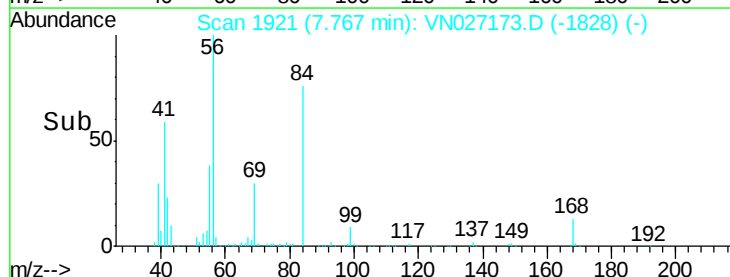
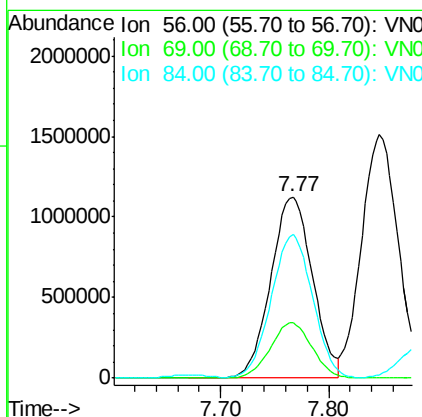
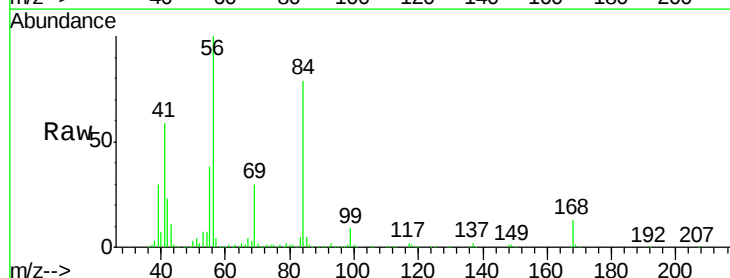
Manual Integrations
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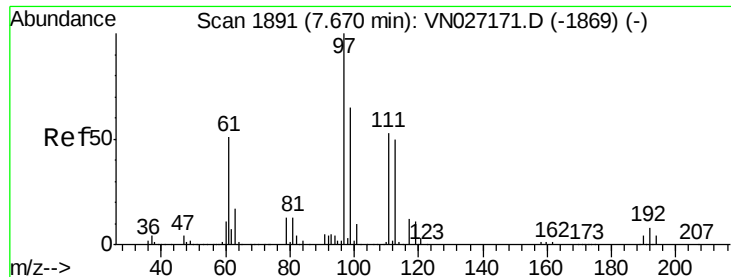
MMDadoda
9/16/2015 11:47:01 AM



#32
Cyclohexane
Concen: 240.19 ug/l
RT: 7.77 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VN027173.D
Acq: 15 Sep 2015 17:47

Tgt Ion: 56 Resp: 3020729
Ion Ratio Lower Upper
56 100
69 30.3 23.0 34.4
84 77.2 57.8 86.8





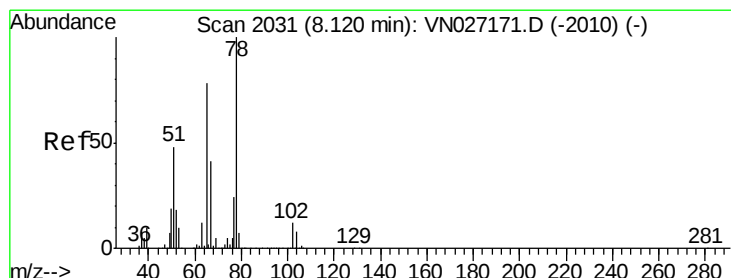
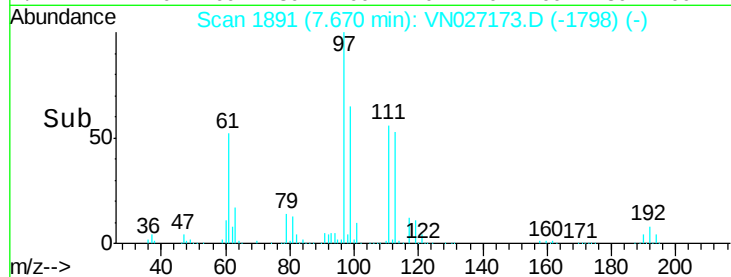
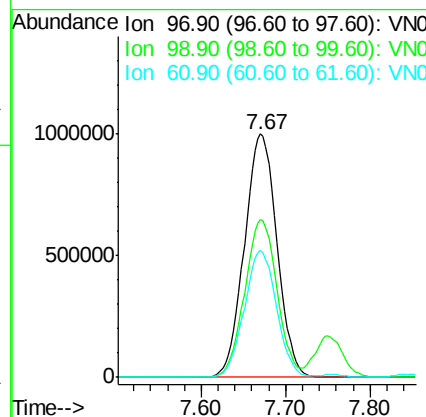
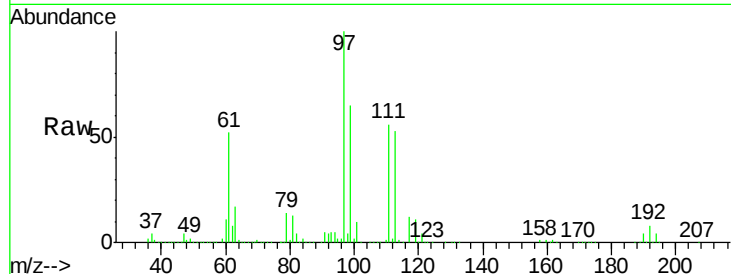
#33
 1,1,1-Trichloroethane
 Concen: 291.68 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN027173.D
 Acq: 15 Sep 2015 17:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC200

Tot Ion	97	Resp	2672918
Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.1	75.1
61	51.8	44.0	66.0

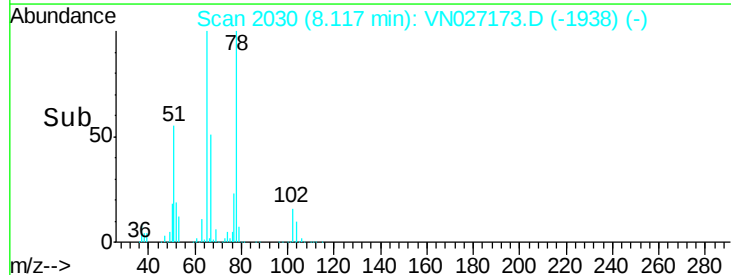
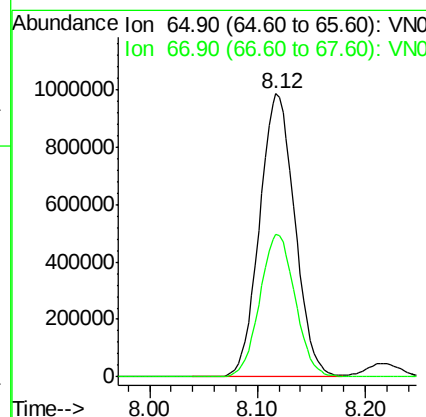
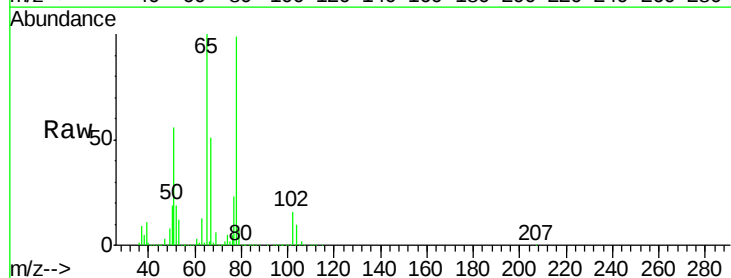
Manual Integrations
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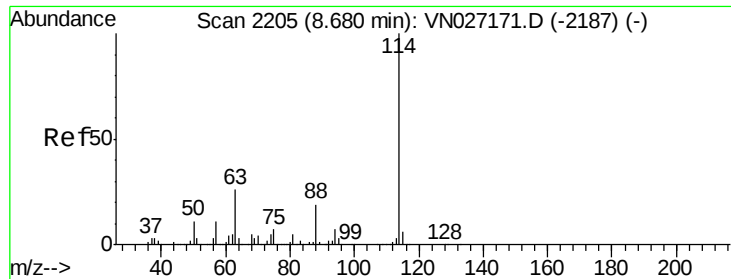
MMDadoda
 9/16/2015 11:47:01 AM



#34
 1,2-Dichloroethane-d4
 Concen: 313.46 ug/l
 RT: 8.12 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VN027173.D
 Acq: 15 Sep 2015 17:47

Tgt Ion	65	Resp	2228931
Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	110.6





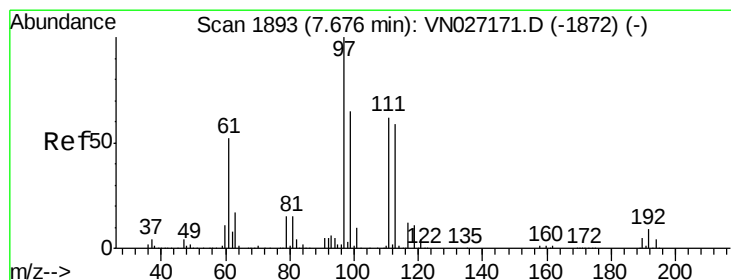
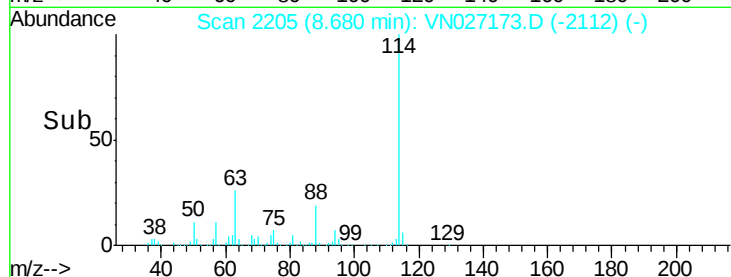
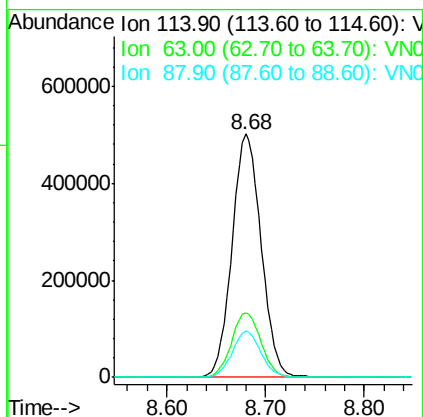
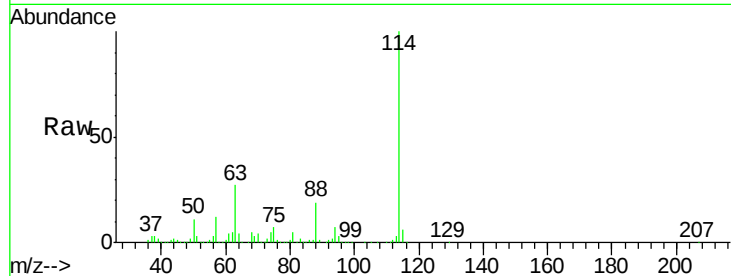
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027173.D
 Acq: 15 Sep 2015 17:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC200

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.5	0.0	48.8
88	18.9	0.0	32.2

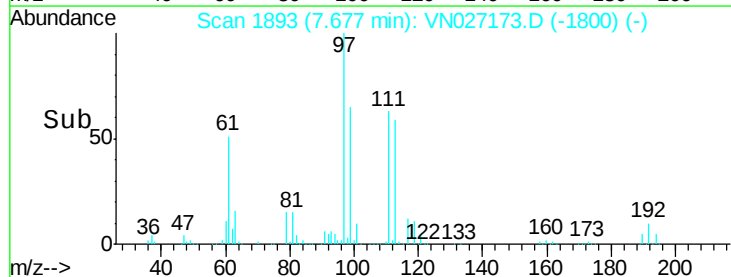
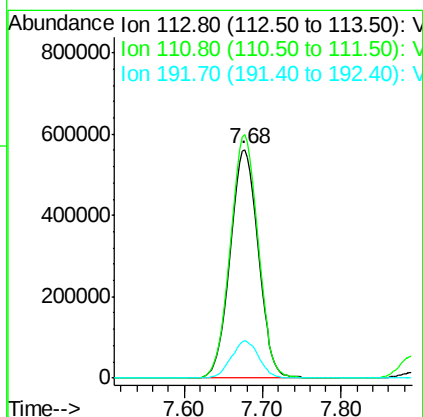
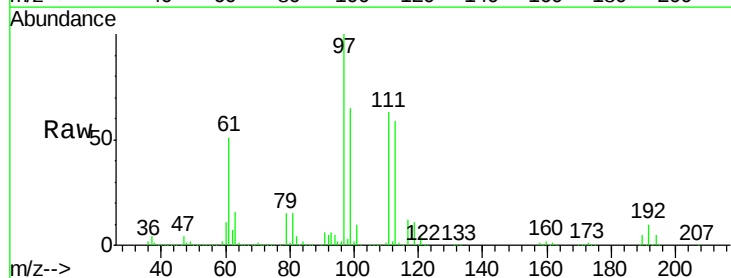
Manual Integrations
 APPROVED

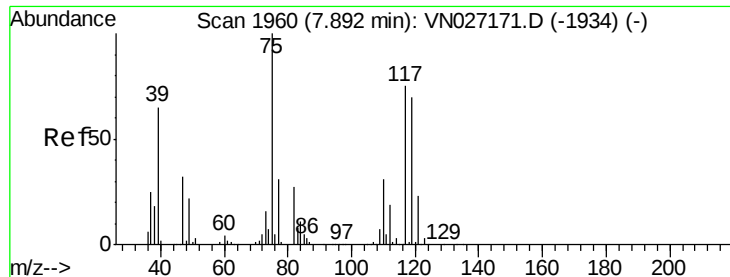
MMDadoda
 9/16/2015 11:47:01 AM



#36
 Dibromofluoromethane
 Concen: 220.05 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027173.D
 Acq: 15 Sep 2015 17:47

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.7	83.0	124.4
192	16.1	14.1	21.1





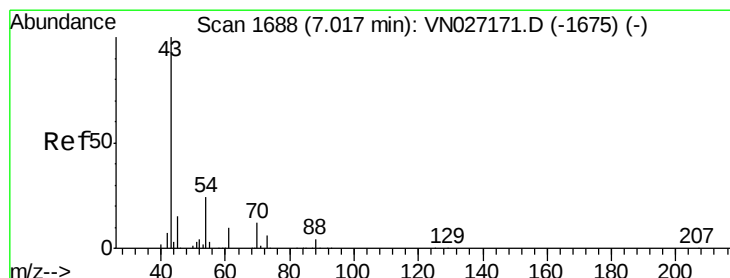
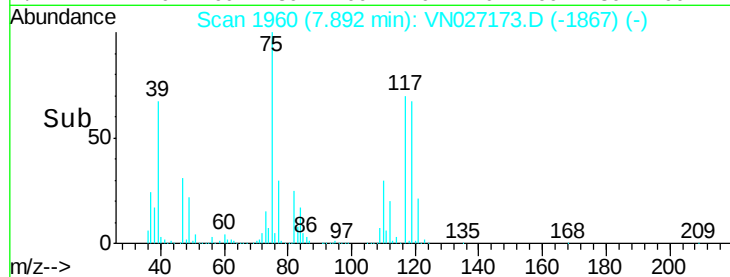
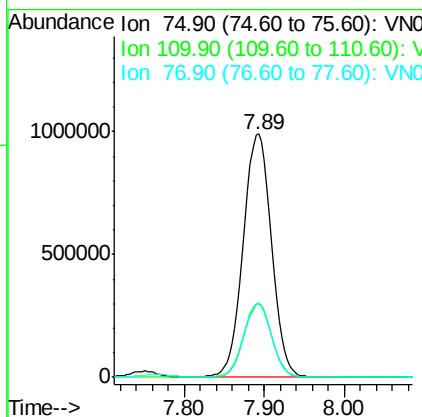
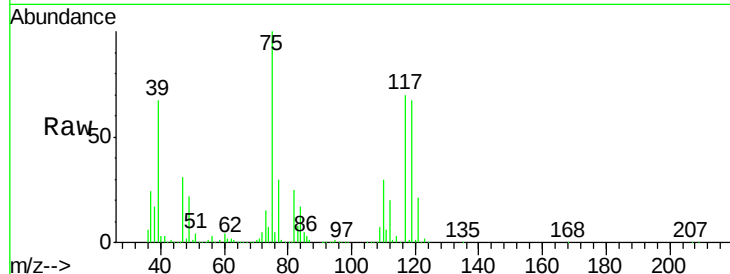
#37
 1,1-Dichloropropene
 Concen: 244.59 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VN027173.D
 Acq: 15 Sep 2015 17:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC200

Tot Ion	Ratio	Lower	Upper
75	100		
110	30.1	15.9	47.7
77	30.4	24.9	37.3

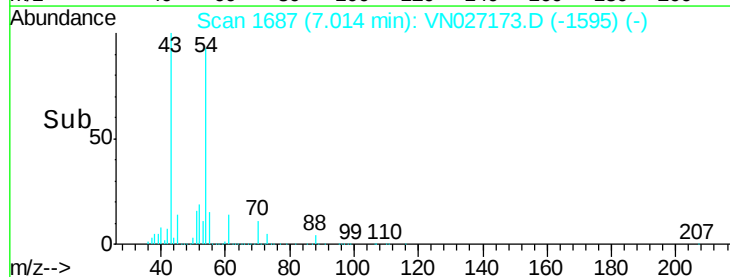
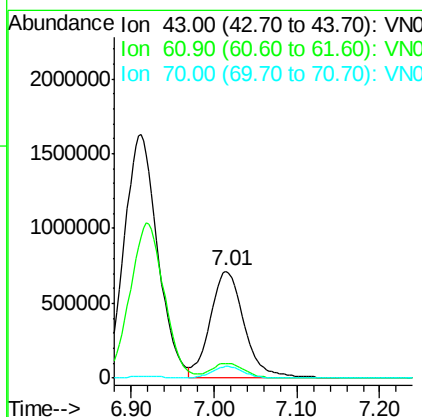
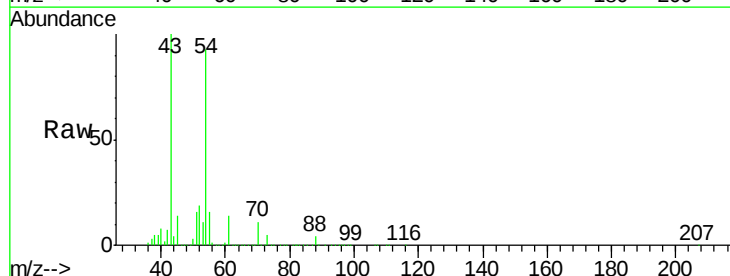
Manual Integrations
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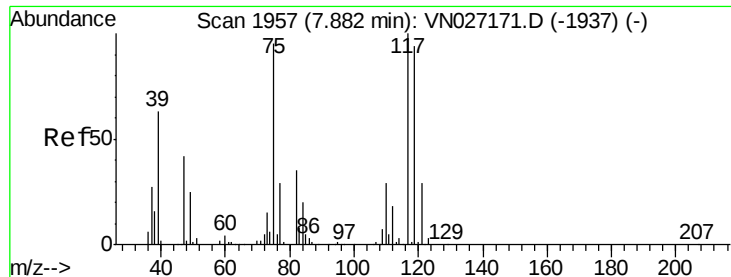
MMDadoda
 9/16/2015 11:47:01 AM



#38
 Ethyl Acetate
 Concen: 292.16 ug/l
 RT: 7.01 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN027173.D
 Acq: 15 Sep 2015 17:47

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.2	15.4
70	10.2	7.4	11.0





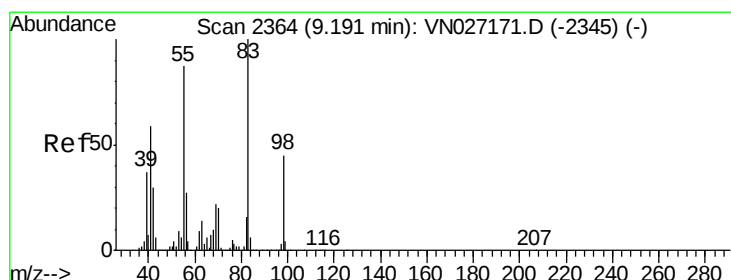
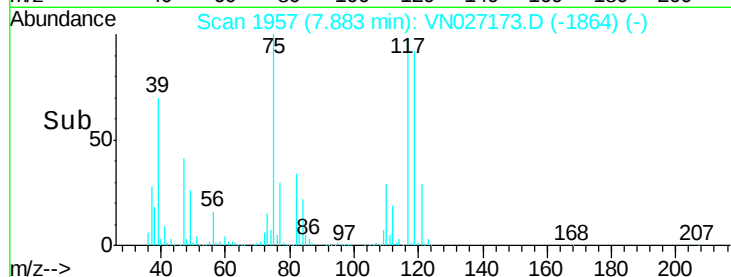
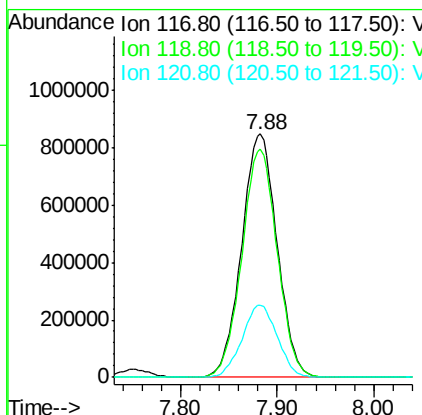
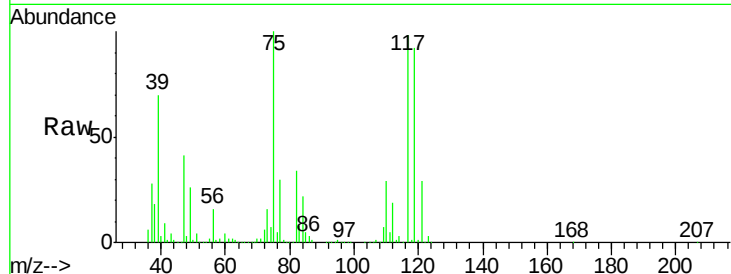
#39
Carbon Tetrachloride
Concen: 235.84 ug/l
RT: 7.88 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VN027173.D
Acq: 15 Sep 2015 17:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC200

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.7	75.3	112.9
121	29.7	23.8	35.8

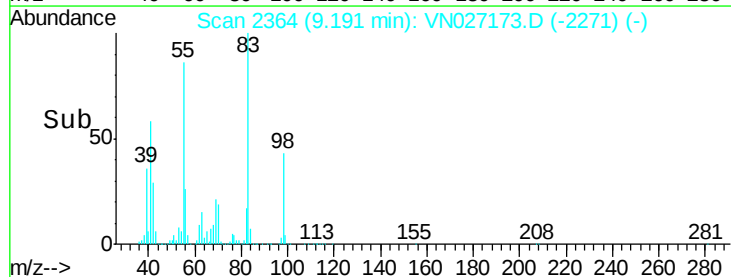
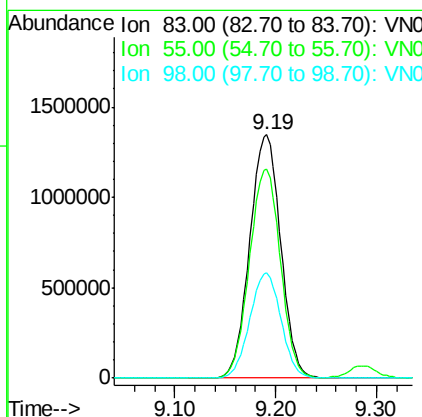
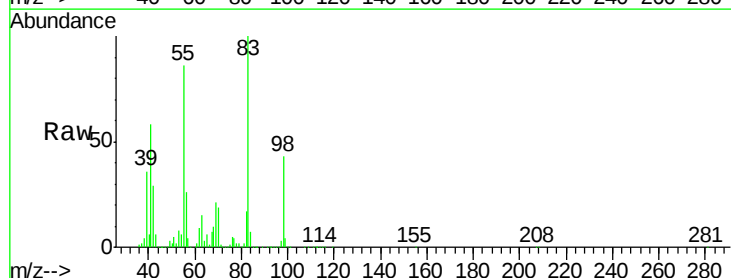
Manual Integrations
APPROVED

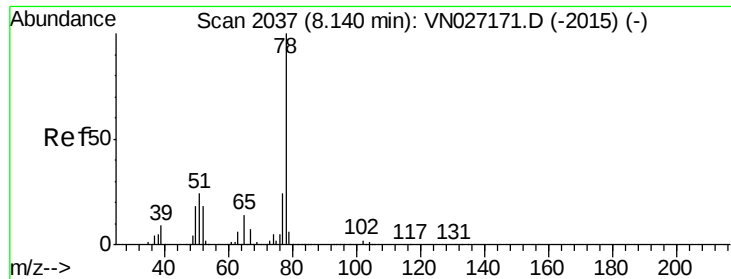
MMDadoda
9/16/2015 11:47:01 AM



#40
Methylcyclohexane
Concen: 243.71 ug/l
RT: 9.19 min Scan# 2364
Delta R.T. 0.00 min
Lab File: VN027173.D
Acq: 15 Sep 2015 17:47

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.7	69.8	104.8
98	43.2	34.3	51.5





#41

Benzene

Concen: 222.11 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC200

Tot Ion: 78 Resp: 6629646

Ion Ratio Lower Upper

78 100

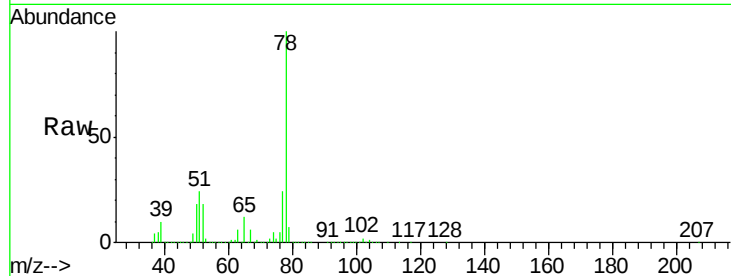
77 23.7 19.0 28.4

Manual Integrations

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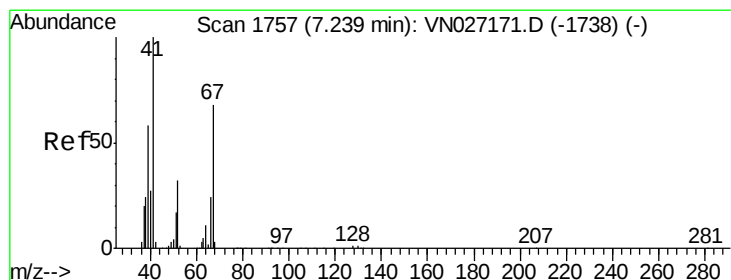
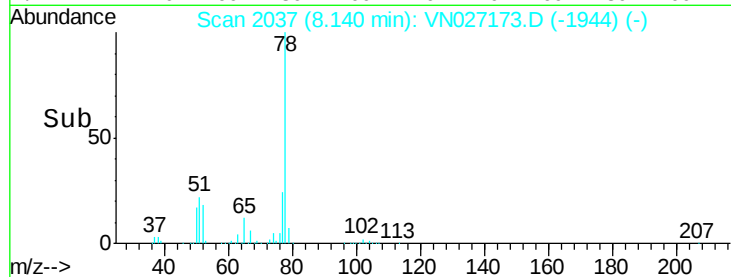
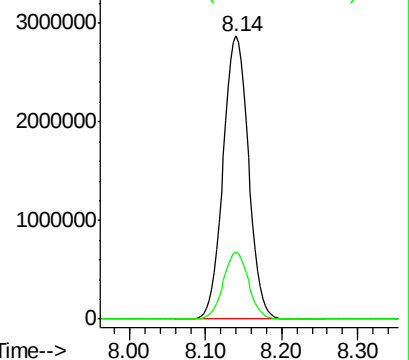
MMDadoda

9/16/2015 11:47:01 AM



Abundance Ion 78.00 (77.70 to 78.70): VNC

Ion 77.00 (76.70 to 77.70): VNC



#42

Methacrylonitrile

Concen: 265.78 ug/l

RT: 7.24 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

Tgt Ion: 41 Resp: 1180315

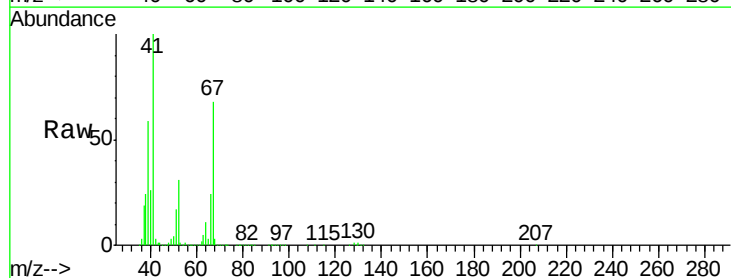
Ion Ratio Lower Upper

41 100

39 59.1 43.0 64.6

67 71.3 52.2 78.2

52 32.2 21.3 31.9#

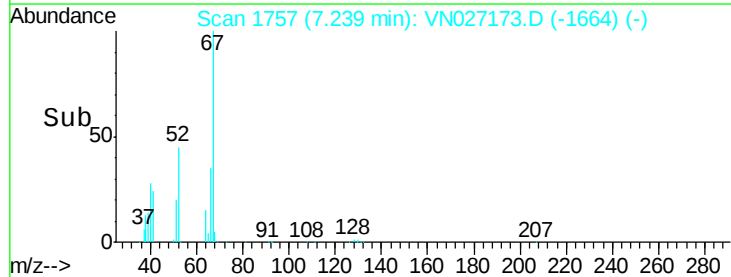
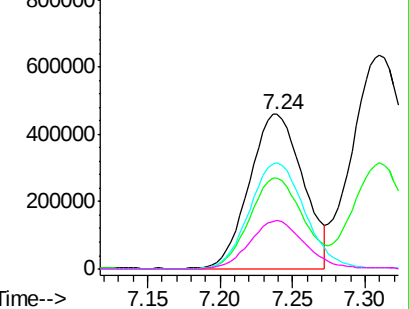


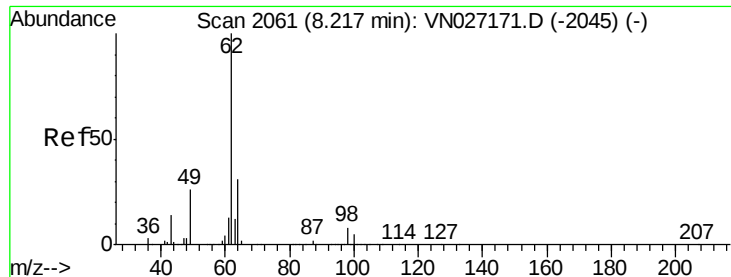
Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC





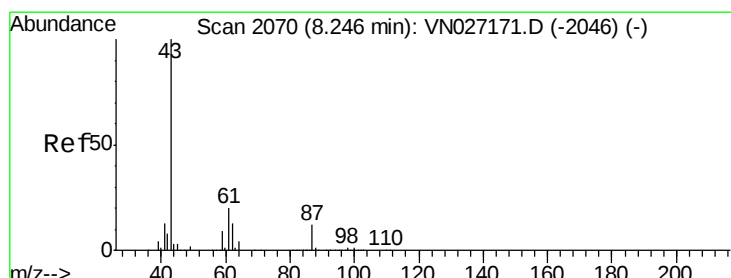
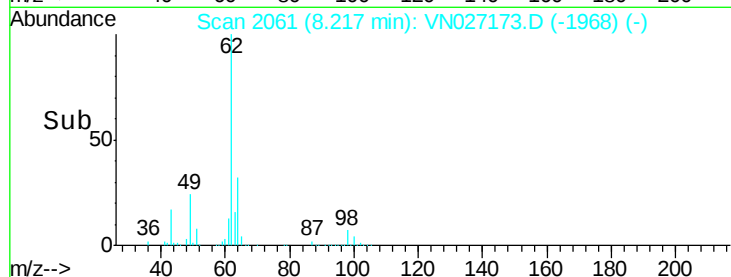
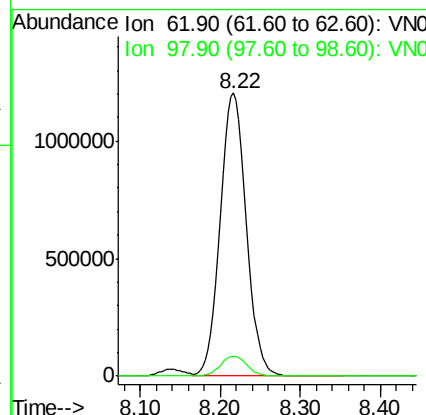
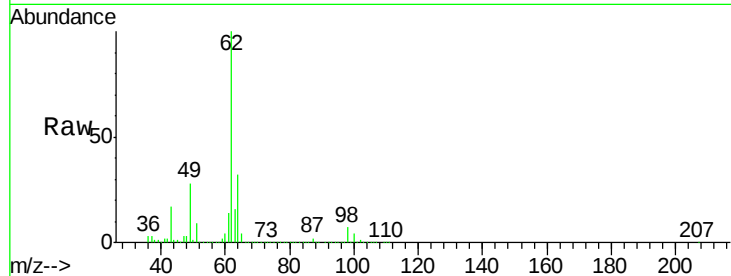
#43
 1,2-Dichloroethane
 Concen: 265.03 ug/l
 RT: 8.22 min Scan# 2061
 Delta R.T. 0.00 min
 Lab File: VN027173.D
 Acq: 15 Sep 2015 17:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC200

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	18.0

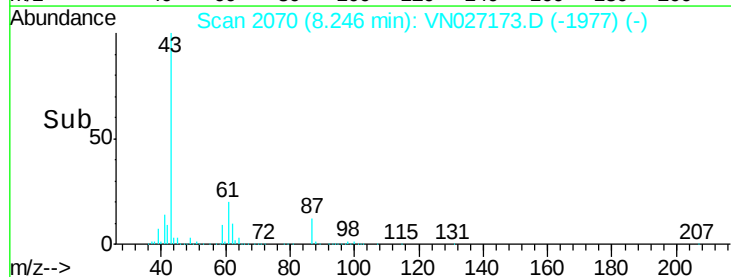
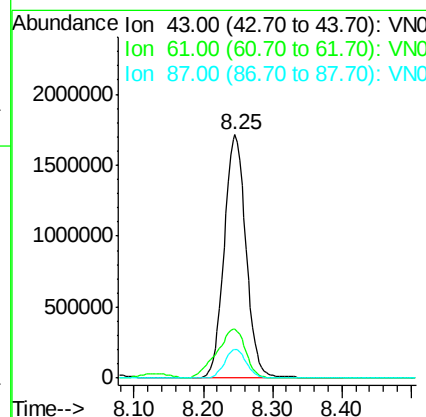
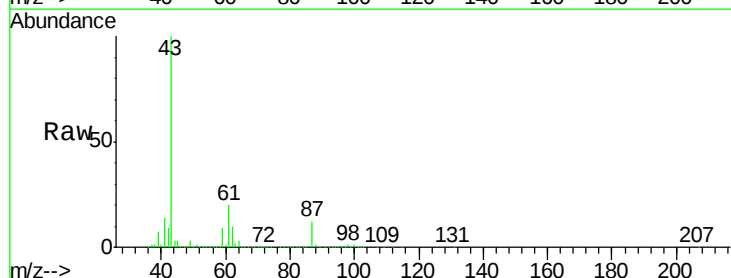
Manual Integrations
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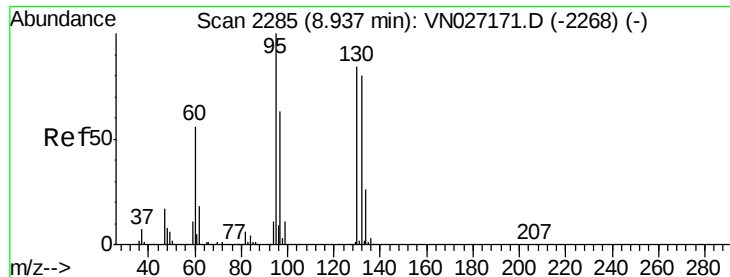
MMDadoda
 9/16/2015 11:47:01 AM



#44
 Isopropyl Acetate
 Concen: 300.96 ug/l
 RT: 8.25 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VN027173.D
 Acq: 15 Sep 2015 17:47

Tgt Ion	Ratio	Lower	Upper
43	100		
61	26.6	20.6	31.0
87	11.9	8.6	13.0





#45

Trichloroethene

Concen: 187.94 ug/l

RT: 8.93 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC200

Tot Ion:130 Resp: 1366939

Ion Ratio Lower Upper

130 100

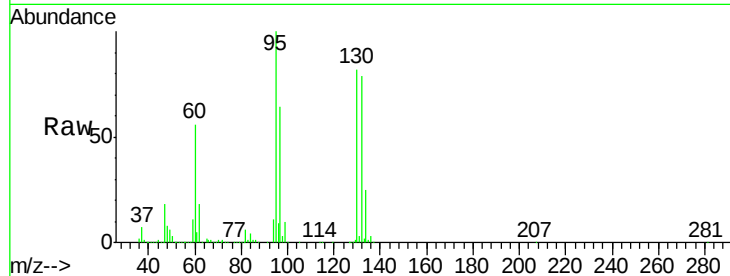
95 121.7 0.0 222.2

Manual Integrations

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VNO

8.93

800000

600000

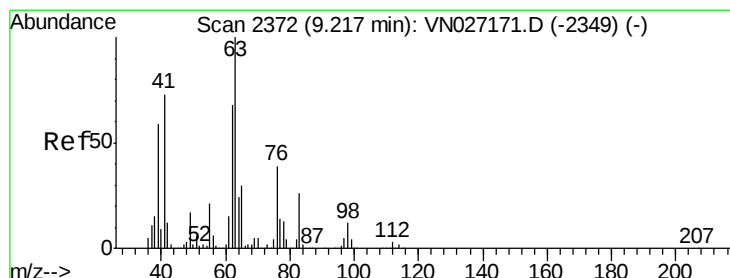
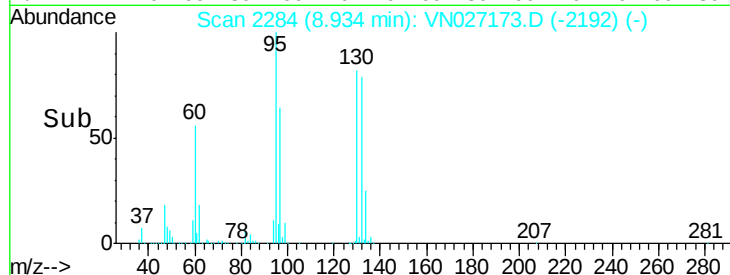
400000

200000

0

8.80 8.90 9.00 9.10

Time-->



#46

1,2-Dichloropropane

Concen: 241.06 ug/l

RT: 9.22 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN027173.D

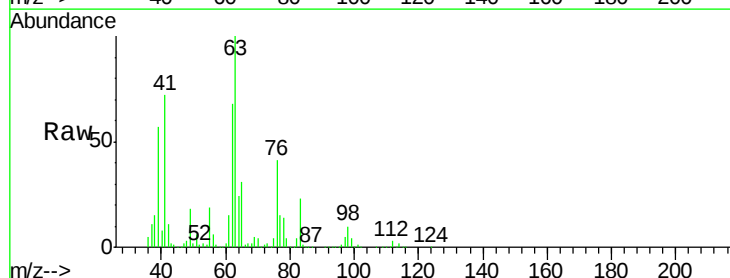
Acq: 15 Sep 2015 17:47

Tgt Ion: 63 Resp: 1870810

Ion Ratio Lower Upper

63 100

65 30.7 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

9.22

1000000

800000

600000

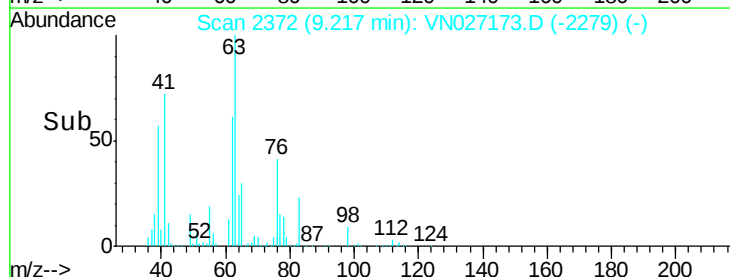
400000

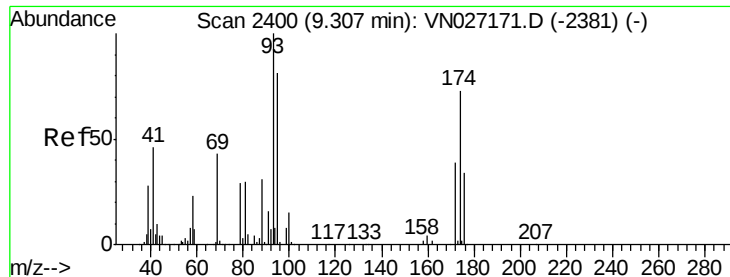
200000

0

9.10 9.20 9.30

Time-->





#47

Dibromomethane

Concen: 241.92 ug/l

RT: 9.30 min Scan# 2399

Delta R.T. -0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC200

Tot Ion: 93 Resp: 1119074

Ion Ratio Lower Upper

93 100

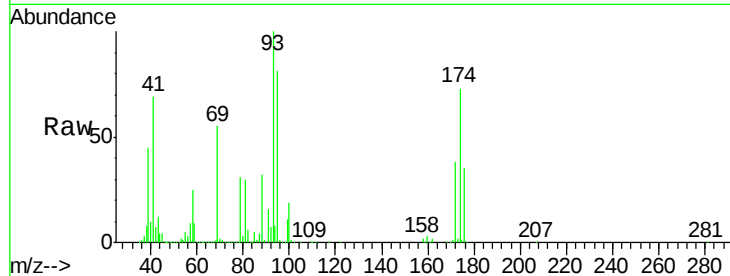
95 80.3 66.3 99.5

174 73.9 67.8 101.6

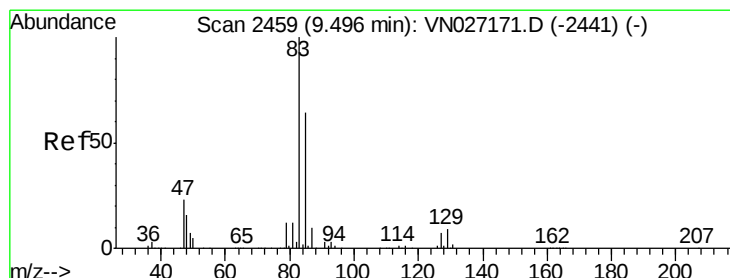
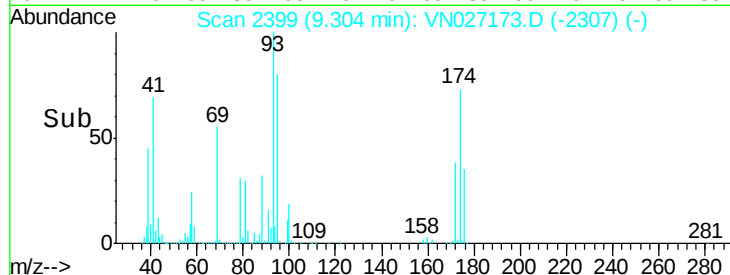
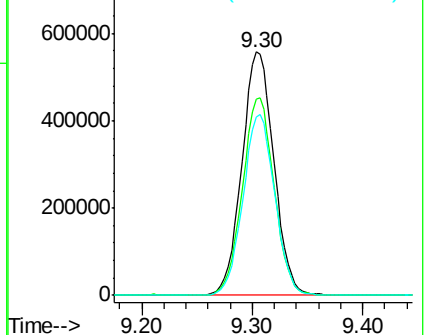
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Abundance Ion 92.80 (92.50 to 93.50): VNO
Ion 94.80 (94.50 to 95.50): VNO
Ion 173.70 (173.40 to 174.40): V



#48

Bromodichloromethane

Concen: 252.14 ug/l

RT: 9.49 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

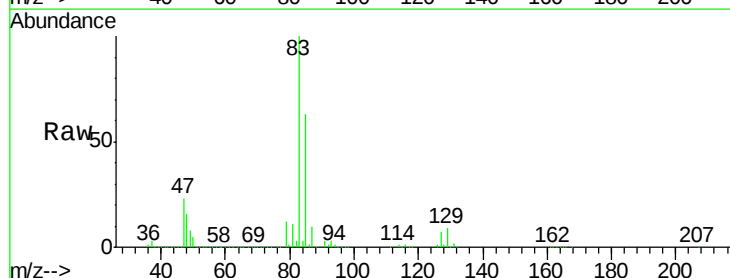
Tgt Ion: 83 Resp: 2424904

Ion Ratio Lower Upper

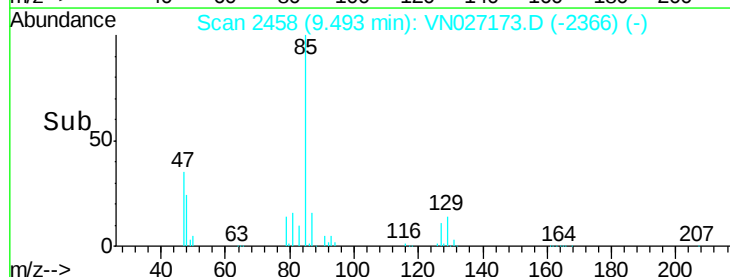
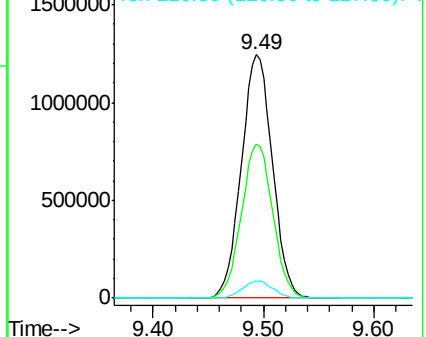
83 100

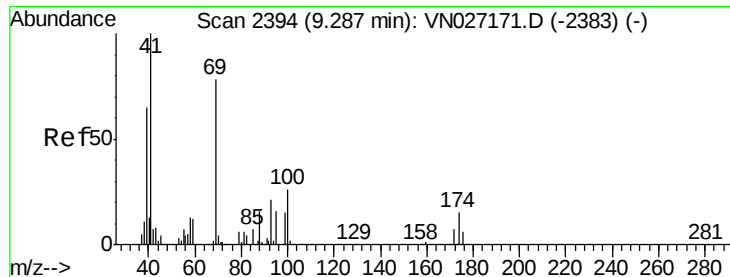
85 63.4 50.7 76.1

127 7.0 5.5 8.3



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





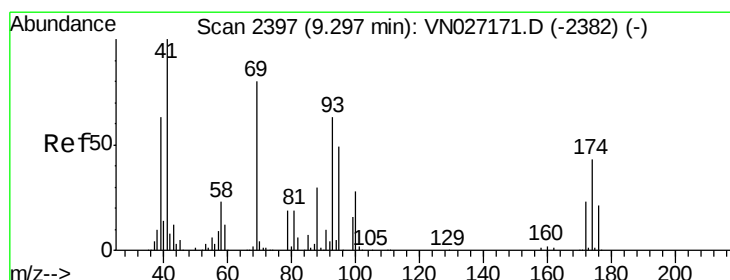
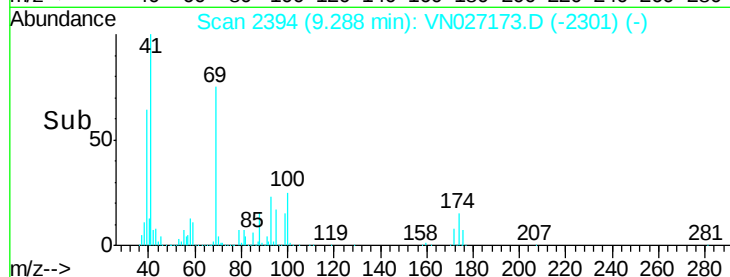
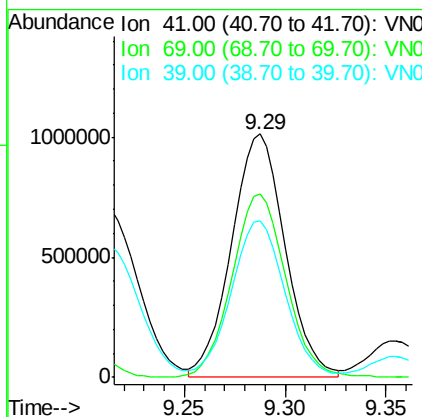
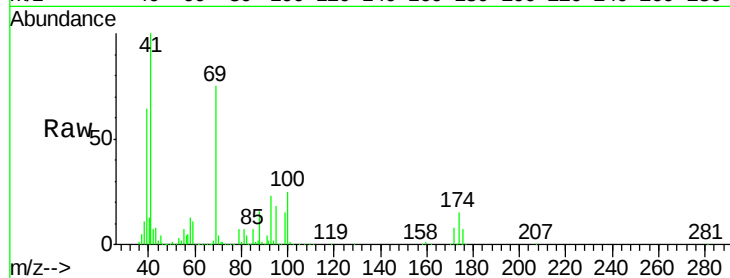
#49
Methvl methacrylate
Concen: 297.13 ug/l
RT: 9.29 min Scan# 2394
Delta R.T. 0.00 min
Lab File: VN027173.D
Acq: 15 Sep 2015 17:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC200

Tot Ion: 41 Resp: 1876992
Ion Ratio Lower Upper
41 100
69 76.0 59.3 88.9
39 64.7 39.5 59.3#

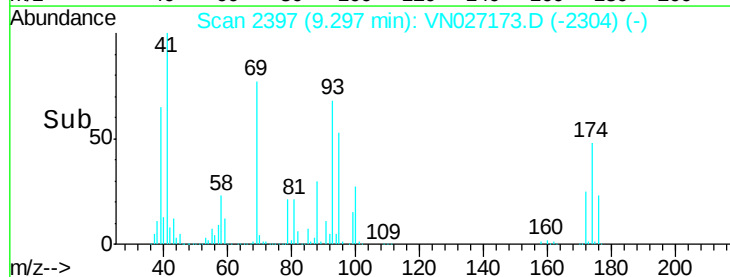
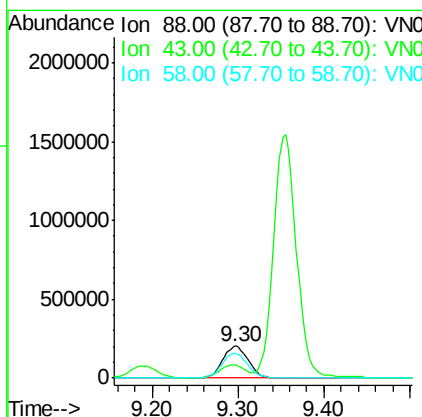
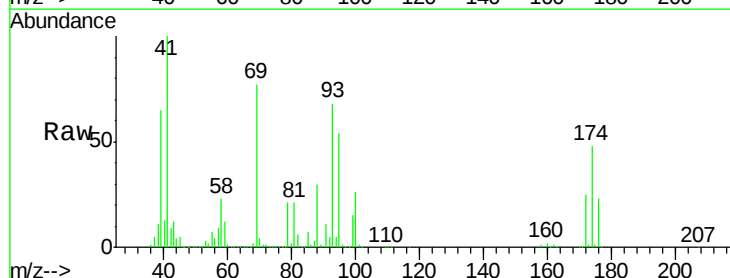
Manual Integrations
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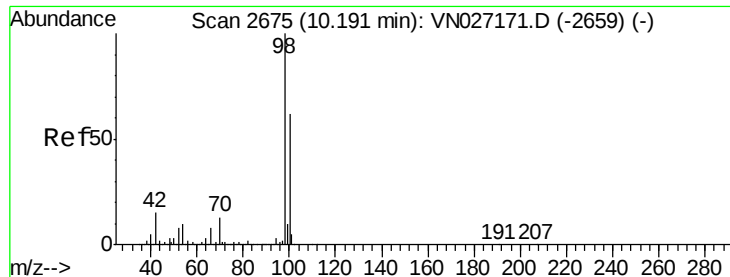
MMDadoda
9/16/2015 11:47:01 AM



#50
1,4-Dioxane
Concen: 4604.72 ug/l
RT: 9.30 min Scan# 2397
Delta R.T. 0.00 min
Lab File: VN027173.D
Acq: 15 Sep 2015 17:47

Tgt Ion: 88 Resp: 418549
Ion Ratio Lower Upper
88 100
43 40.1 27.6 41.4
58 78.6 63.1 94.7





#51

Toluene-d8

Concen: 218.11 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC200

Tot Ion: 98 Resp: 5501767

Ion Ratio Lower Upper

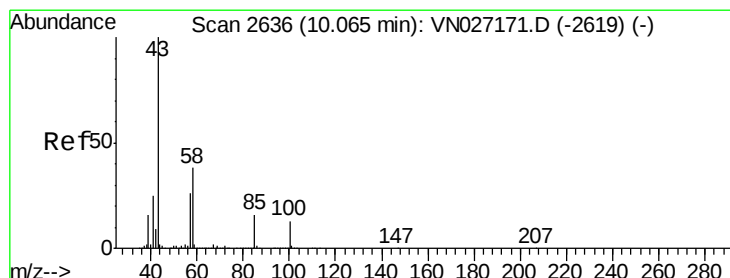
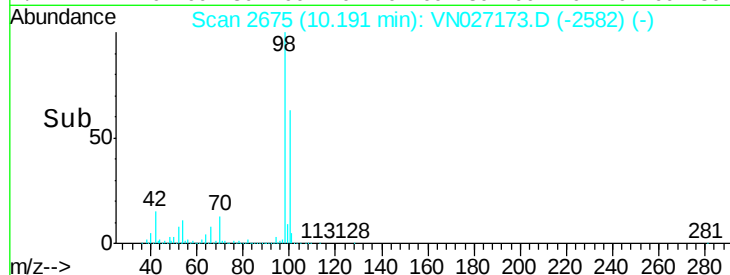
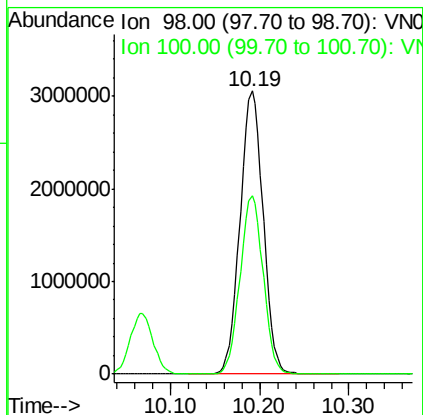
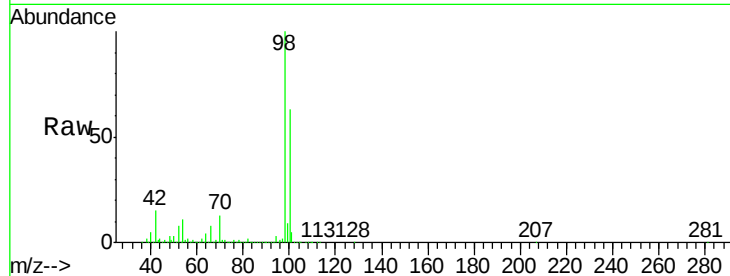
98 100

100 63.0 50.5 75.7

Manual Integrations
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#52

4-Methyl-2-Pentanone

Concen: 1324.66 ug/l

RT: 10.07 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VN027173.D

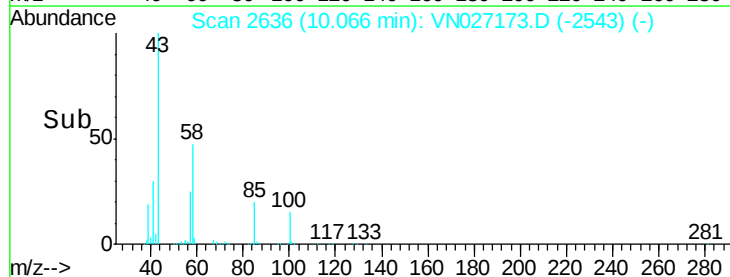
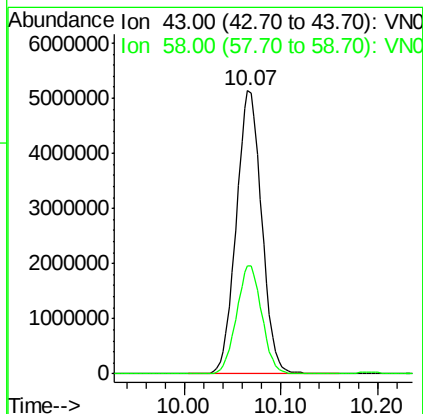
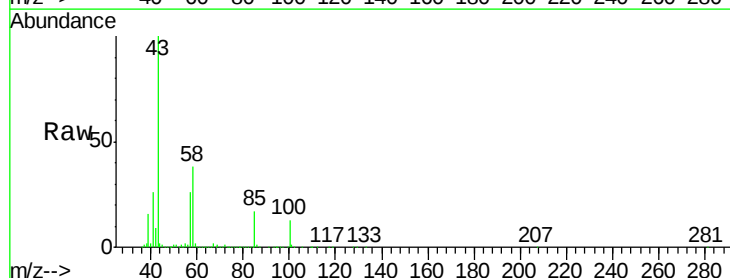
Acq: 15 Sep 2015 17:47

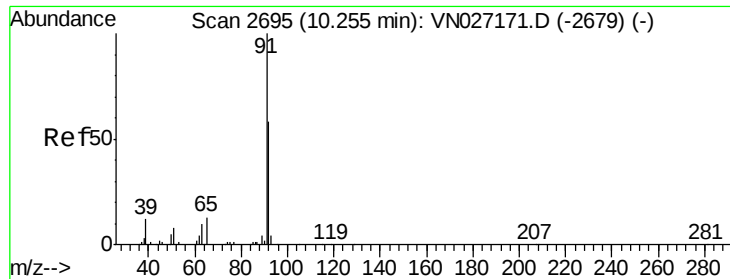
Tgt Ion: 43 Resp: 9336793

Ion Ratio Lower Upper

43 100

58 38.1 29.8 44.8





#53

Toluene

Concen: 218.20 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

Instrument :

MSVOA_N

ClientSampled :

VSTDICC200

Tot Ion: 92 Resp: 3951098

Ion Ratio Lower Upper

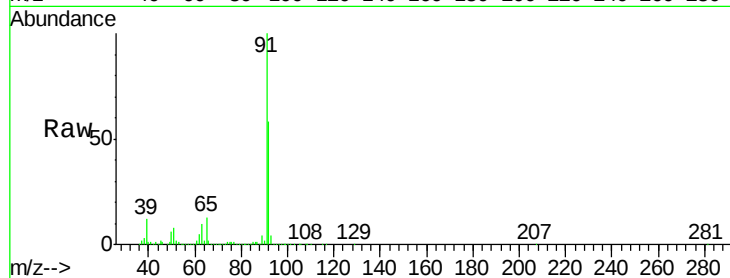
92 100

91 174.4 141.4 212.2

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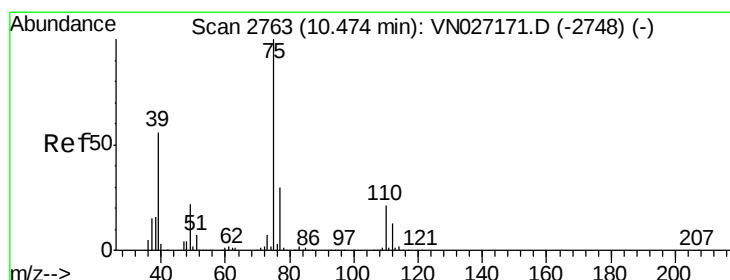
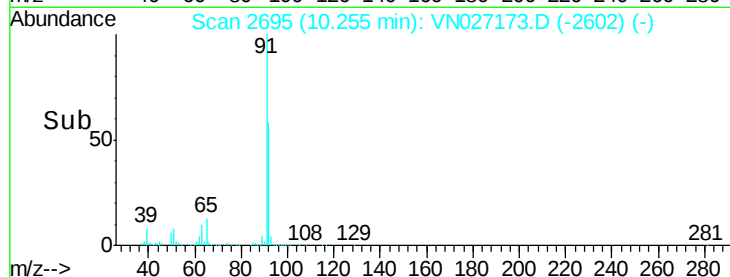
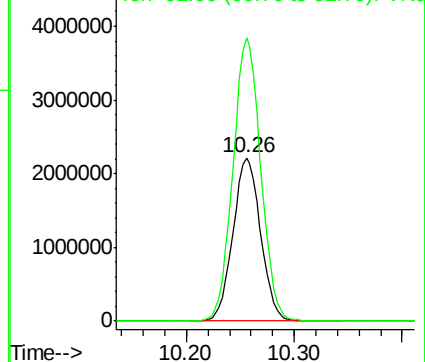
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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

t-1,3-Dichloropropene

Concen: 290.51 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027173.D

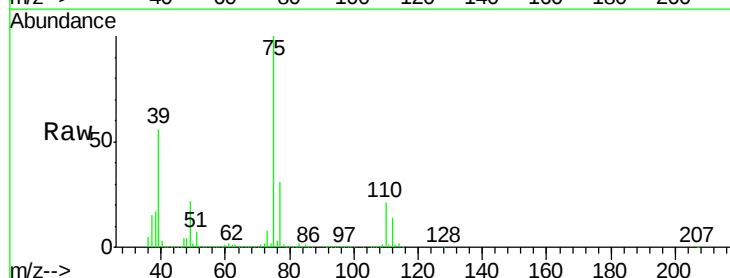
Acq: 15 Sep 2015 17:47

Tgt Ion: 75 Resp: 2790099

Ion Ratio Lower Upper

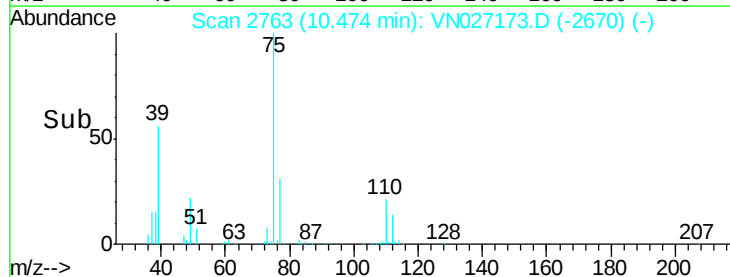
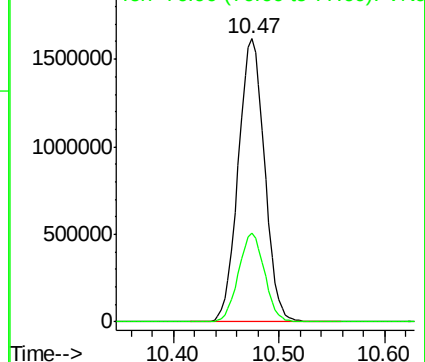
75 100

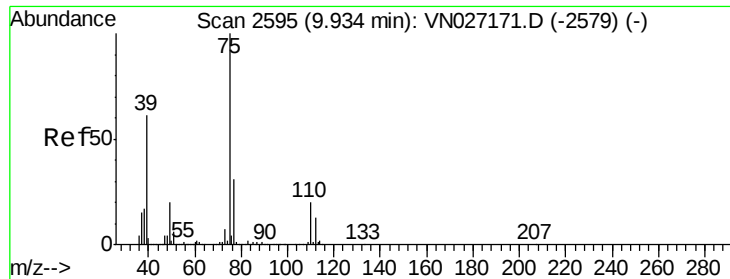
77 31.2 25.4 38.2



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: 264.08 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. 0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC200

Tot Ion: 75 Resp: 2947599

Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4

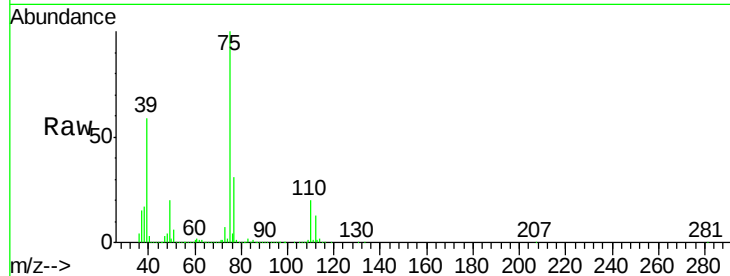
39 59.3 41.6 62.4

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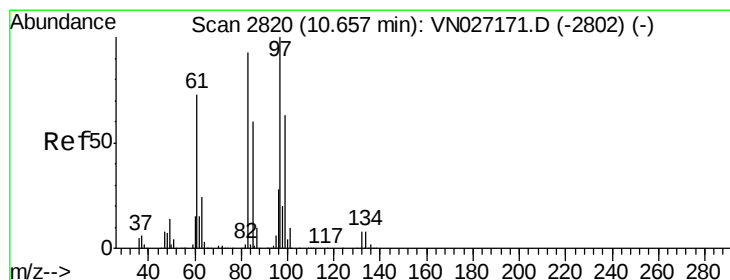
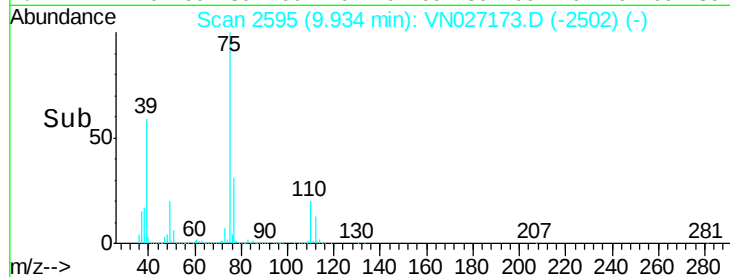
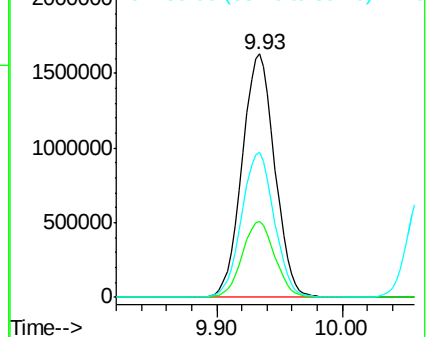
9/16/2015 11:47:01 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#56

1,1,2-Trichloroethane

Concen: 211.19 ug/l

RT: 10.66 min Scan# 2820

Delta R.T. 0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

Tgt Ion: 97 Resp: 1459755

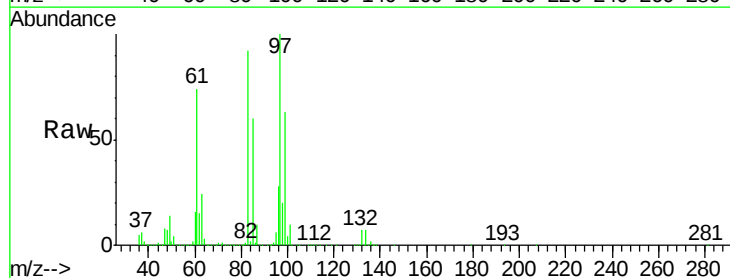
Ion Ratio Lower Upper

97 100

83 92.3 75.0 112.4

85 59.8 48.0 72.0

99 63.3 50.3 75.5

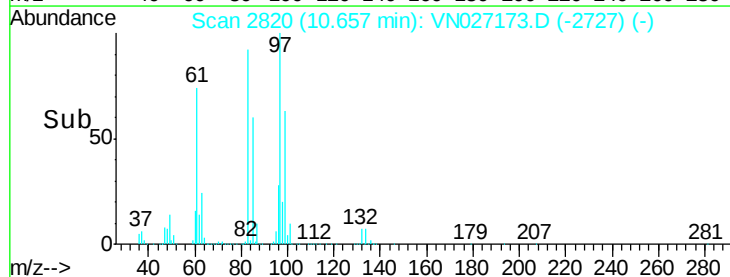
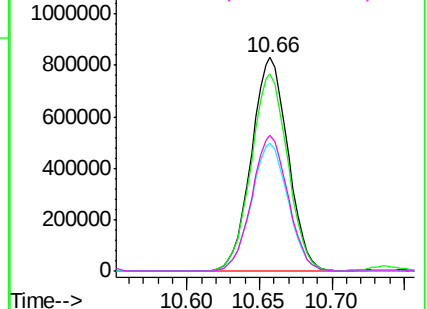


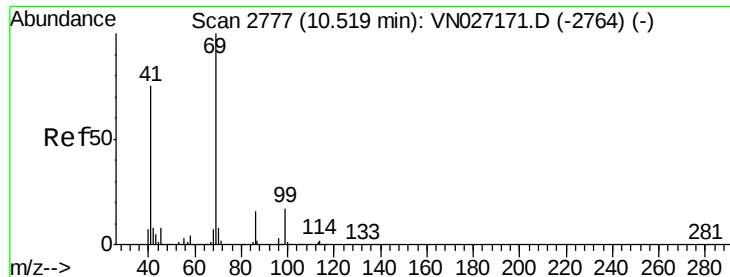
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0





#57

Ethyl methacrylate

Concen: 268.94 ug/l

RT: 10.52 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC200

Tot Ion: 69 Resp: 2512876

Ion Ratio Lower Upper

69 100

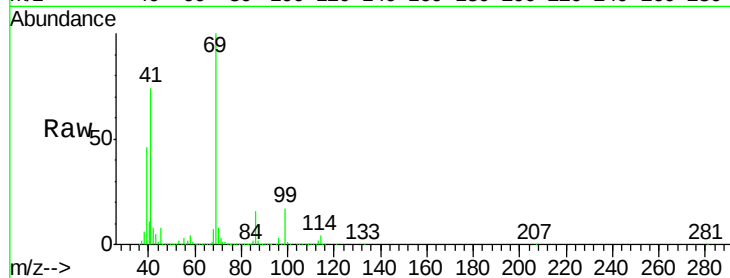
41 73.7 61.3 91.9

39 46.5 28.4 42.6#

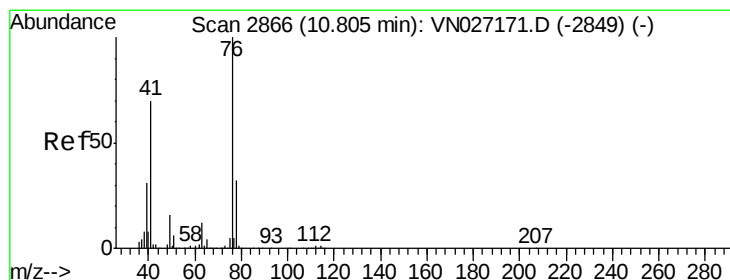
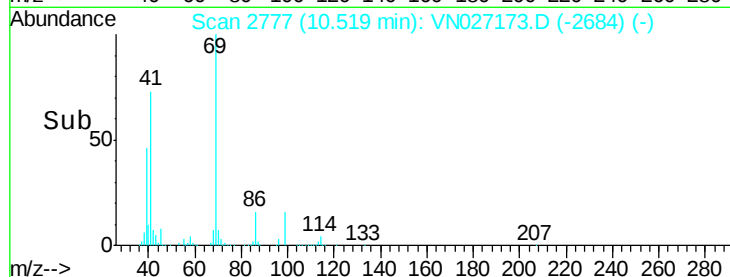
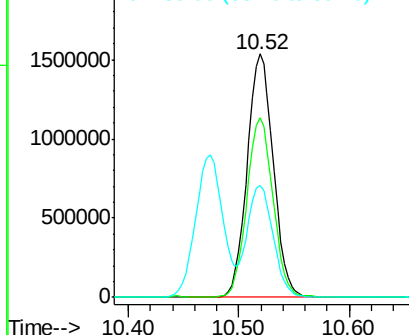
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Abundance Ion 69.00 (68.70 to 69.70): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0



#58

1,3-Dichloropropane

Concen: 238.40 ug/l

RT: 10.81 min Scan# 2866

Delta R.T. 0.00 min

Lab File: VN027173.D

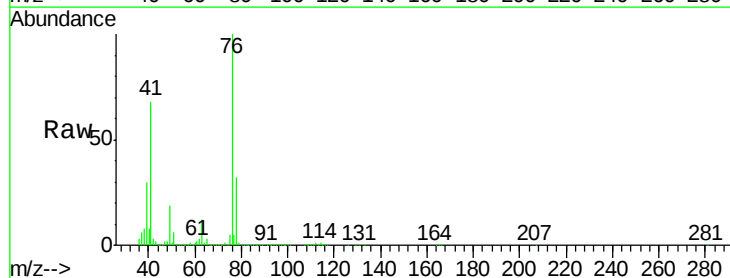
Acq: 15 Sep 2015 17:47

Tgt Ion: 76 Resp: 2729053

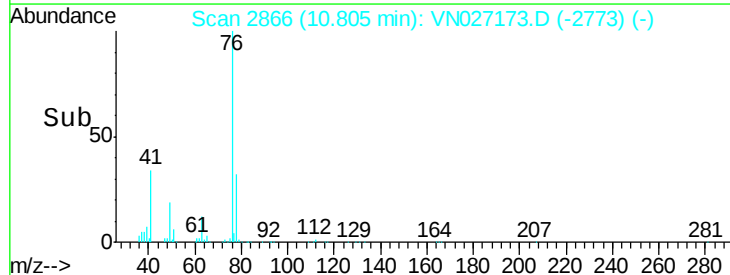
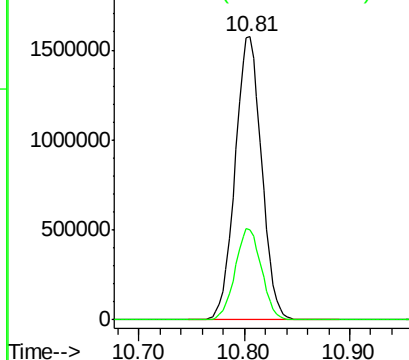
Ion Ratio Lower Upper

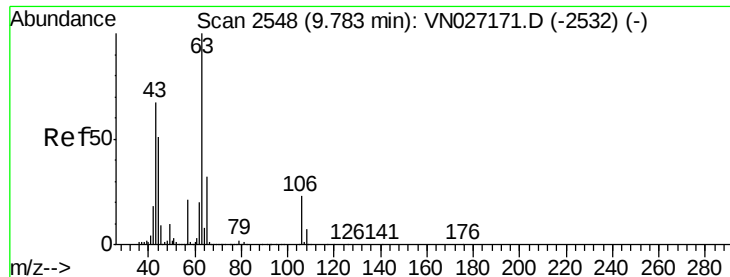
76 100

78 32.1 25.0 37.6



Abundance Ion 75.90 (75.60 to 76.60): VN0
Ion 77.90 (77.60 to 78.60): VN0





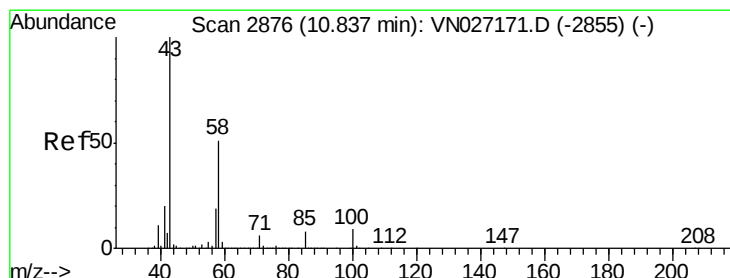
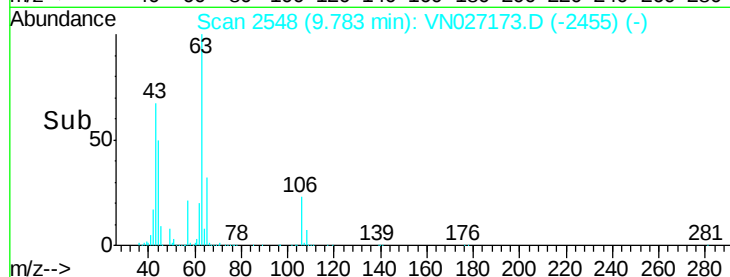
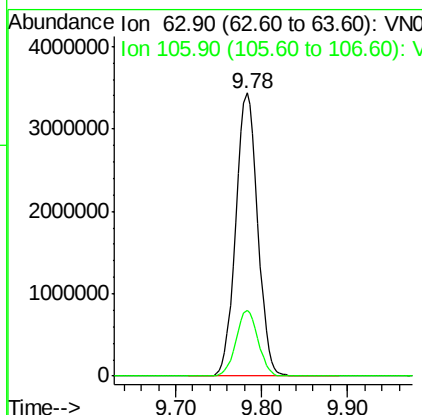
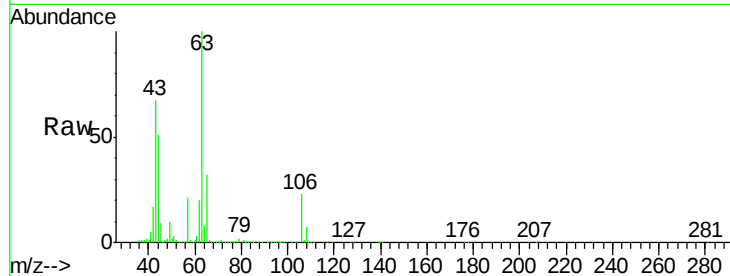
#59
2-Chloroethyl Vinyl ether
Concen: 1666.22 ug/l
RT: 9.78 min Scan# 2548
Delta R.T. 0.00 min
Lab File: VN027173.D
Acq: 15 Sep 2015 17:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC200

Tot Ion: 63 Resp: 6058092
Ion Ratio Lower Upper
63 100
106 23.3 17.7 26.5

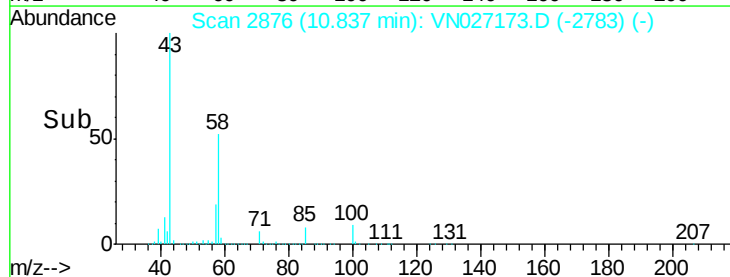
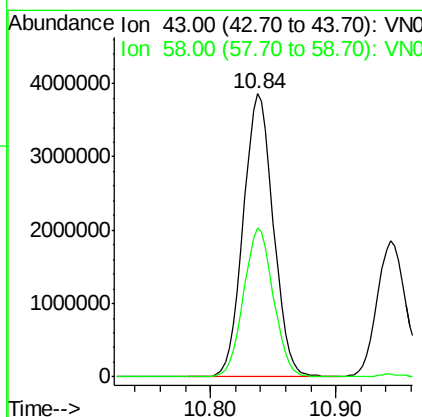
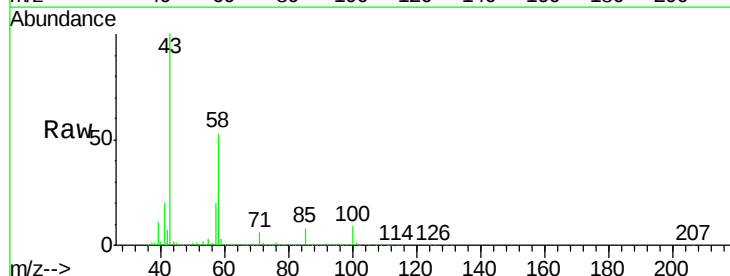
Manual Integrations
APPROVED

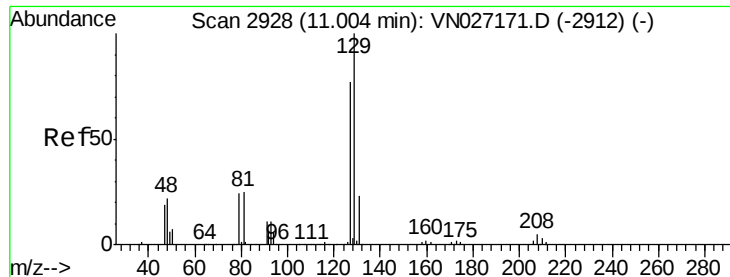
MMDadoda
9/16/2015 11:47:01 AM



#60
2-Hexanone
Concen: 1368.45 ug/l
RT: 10.84 min Scan# 2876
Delta R.T. 0.00 min
Lab File: VN027173.D
Acq: 15 Sep 2015 17:47

Tgt Ion: 43 Resp: 6423612
Ion Ratio Lower Upper
43 100
58 52.2 26.2 78.5





#61

Dibromochloromethane

Concen: 213.30 ug/l

RT: 11.00 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC200

Tot Ion:129 Resp: 1518968

Ion Ratio Lower Upper

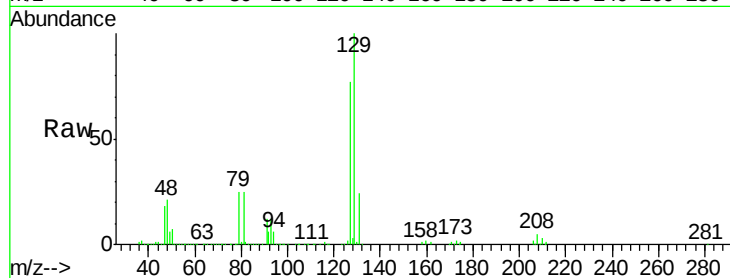
129 100

127 77.3 39.1 117.2

Manual Integrations
APPROVED

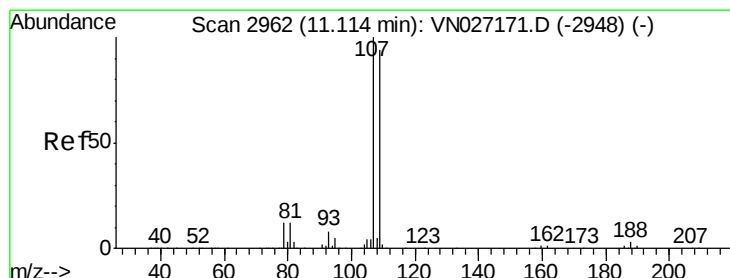
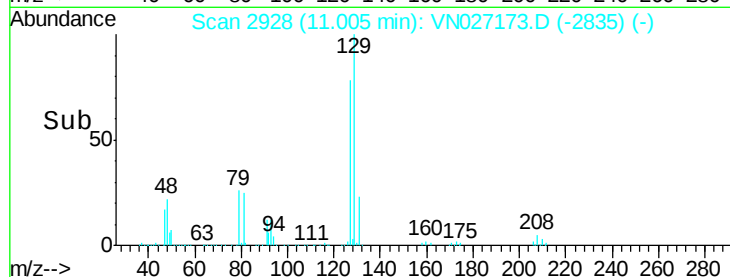
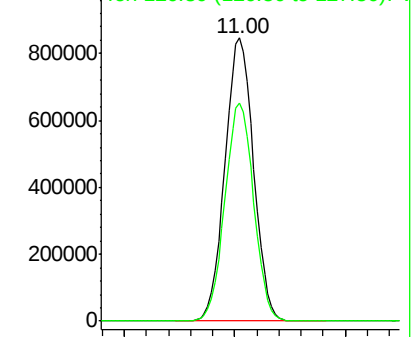
MMDadoda

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

1,2-Dibromoethane

Concen: 221.79 ug/l

RT: 11.11 min Scan# 2962

Delta R.T. 0.00 min

Lab File: VN027173.D

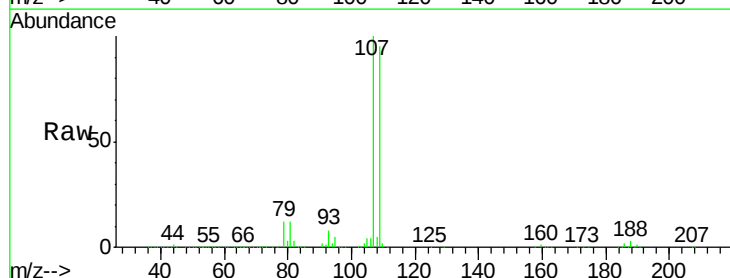
Acq: 15 Sep 2015 17:47

Tgt Ion:107 Resp: 1466380

Ion Ratio Lower Upper

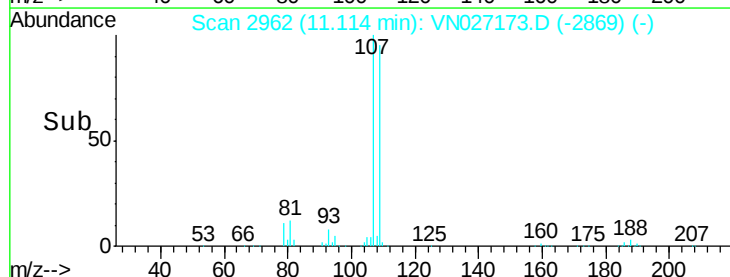
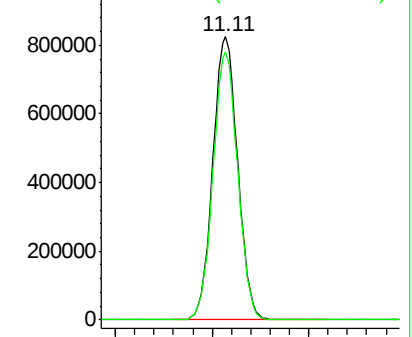
107 100

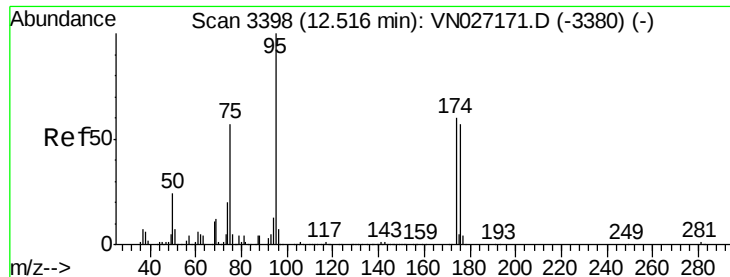
109 93.9 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





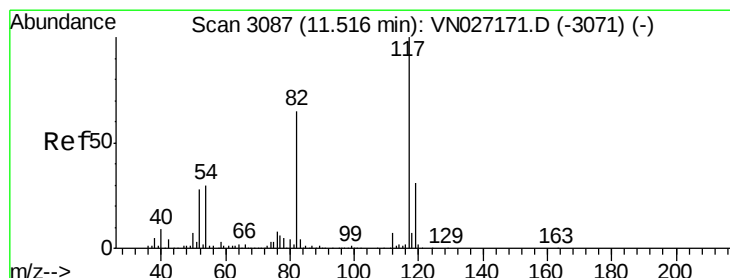
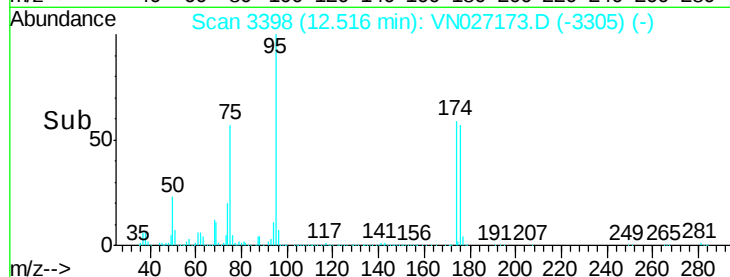
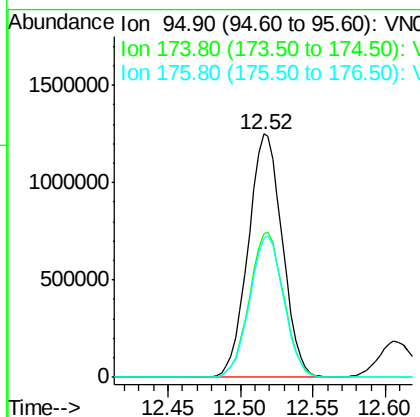
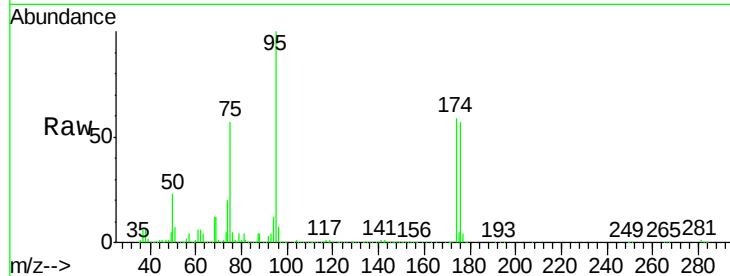
#63
 4-Bromofluorobenzene
 Concen: 248.39 ug/l
 RT: 12.52 min Scan# 3398
 Delta R.T. 0.00 min
 Lab File: VN027173.D
 Acq: 15 Sep 2015 17:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC200

Tot Ion	Ratio	Lower	Upper
95	100		
174	60.0	0.0	137.0
176	57.8	0.0	130.8

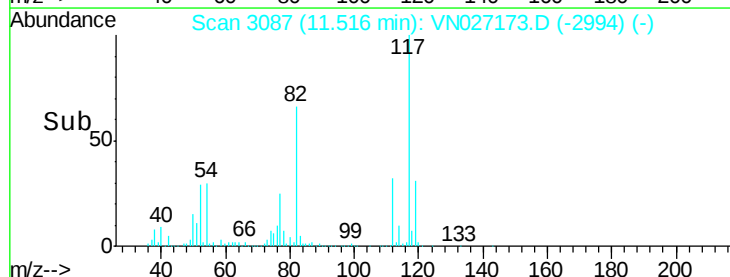
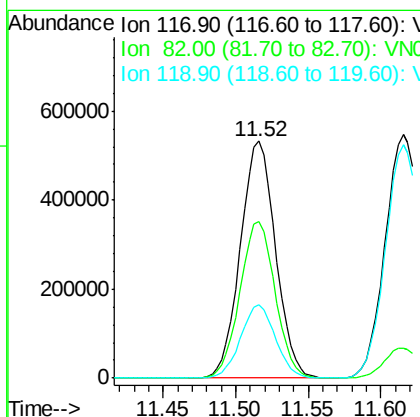
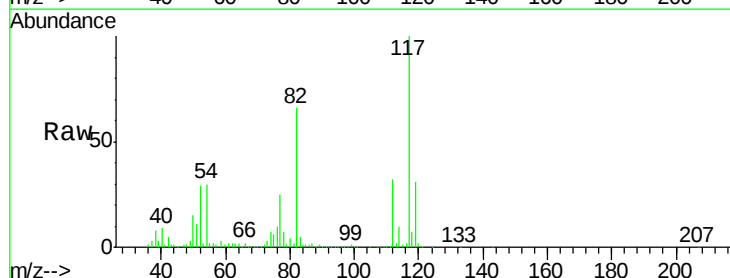
Manual Integrations
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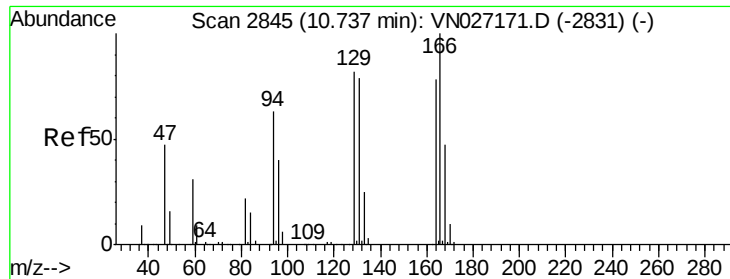
MMDadoda
 9/16/2015 11:47:01 AM



#64
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.52 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VN027173.D
 Acq: 15 Sep 2015 17:47

Tgt Ion	Ratio	Lower	Upper
117	100		
82	65.8	49.6	74.4
119	30.9	24.6	36.8





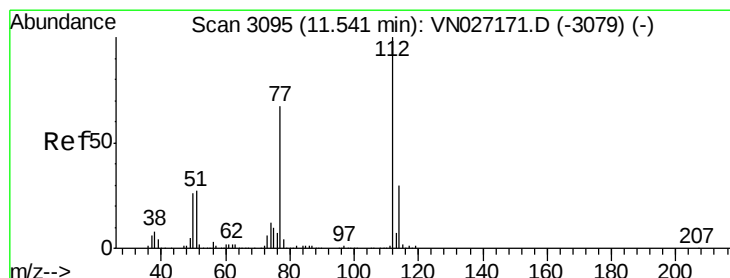
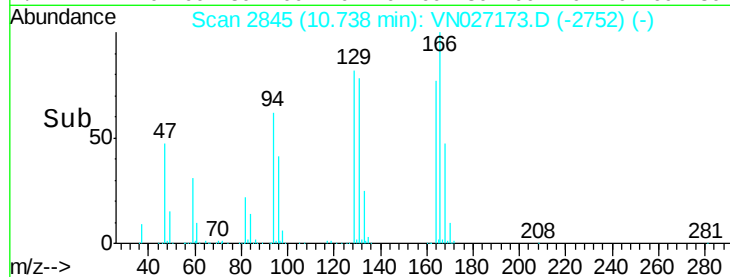
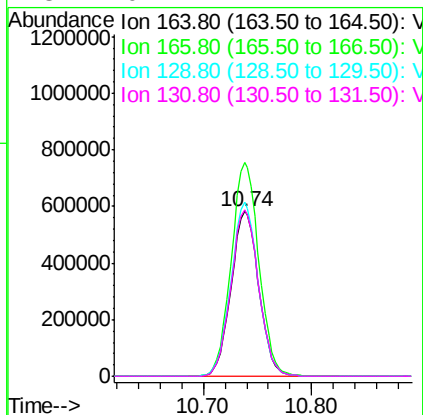
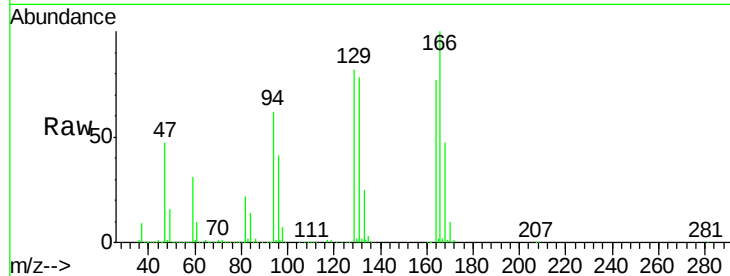
#65
Tetrachloroethene
Concen: 161.96 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.00 min
Lab File: VN027173.D
Acq: 15 Sep 2015 17:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC200

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.6	103.4	155.0
129	105.6	77.5	116.3
131	101.2	74.2	111.4

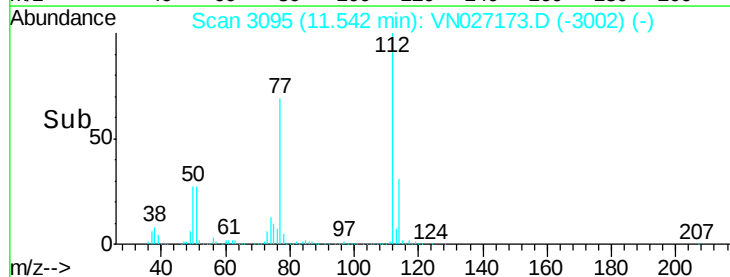
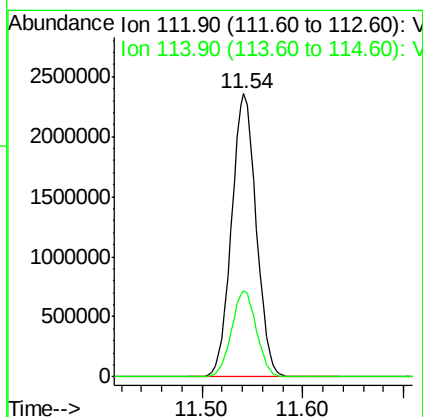
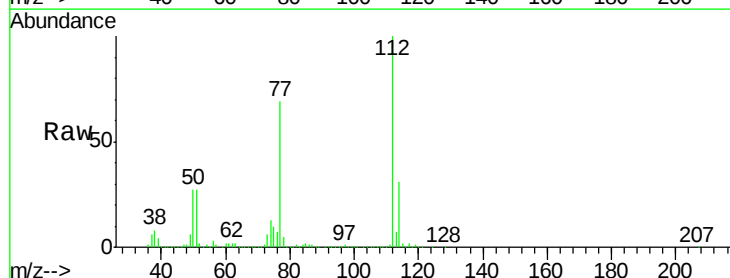
Manual Integrations
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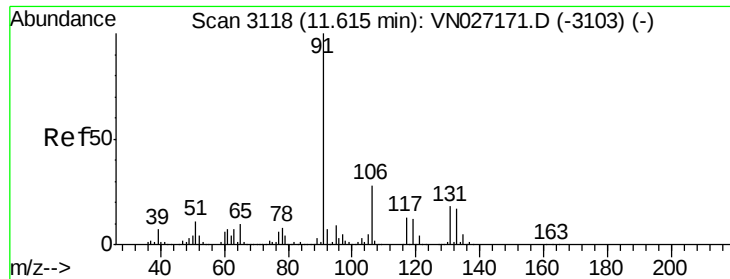
MMDadoda
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#66
Chlorobenzene
Concen: 204.18 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VN027173.D
Acq: 15 Sep 2015 17:47

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.6	24.9	37.3





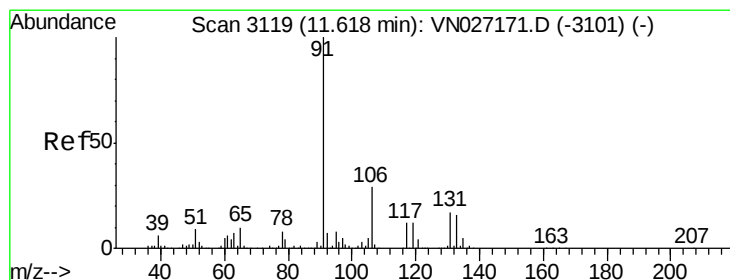
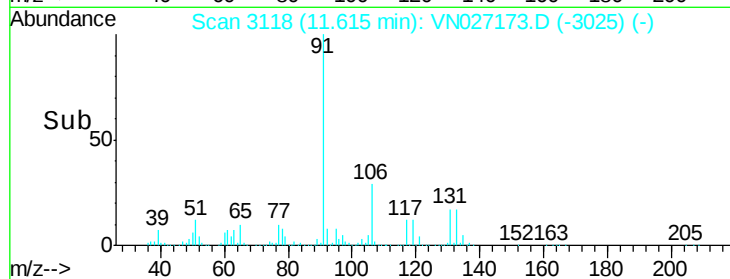
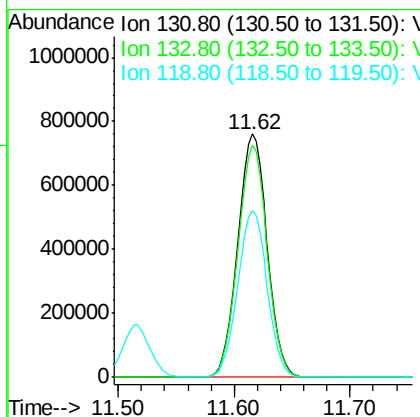
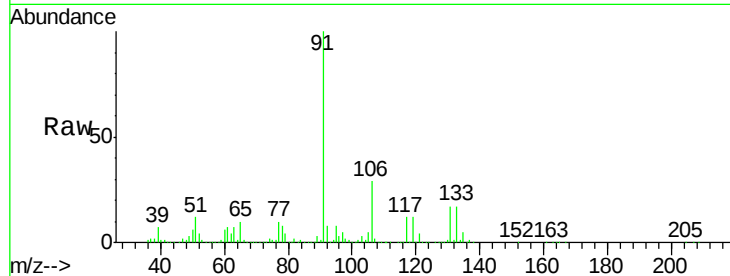
#67
 1,1,1,2-Tetrachloroethane
 Concen: 195.98 ug/l
 RT: 11.62 min Scan# 3118
 Delta R.T. 0.00 min
 Lab File: VN027173.D
 Acq: 15 Sep 2015 17:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC200

Tot Ion:131 Resp: 1327638
 Ion Ratio Lower Upper
 131 100
 133 95.0 47.0 141.2
 119 68.6 35.1 105.5

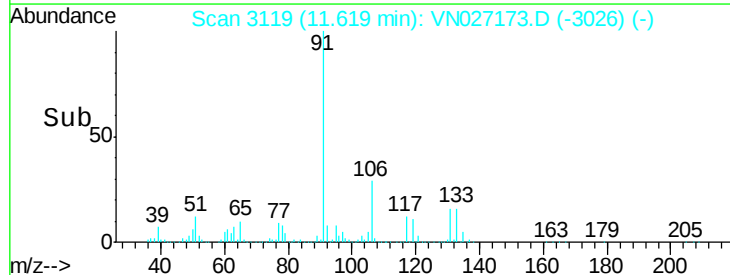
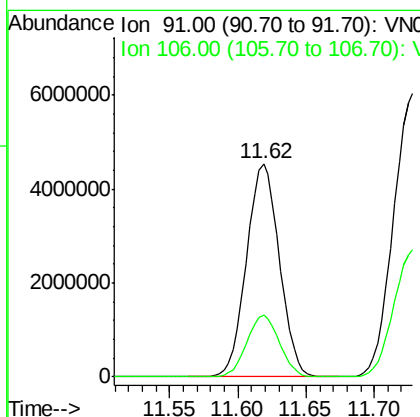
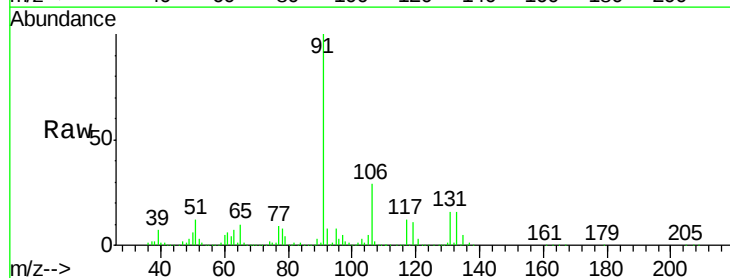
Manual Integrations
 APPROVED

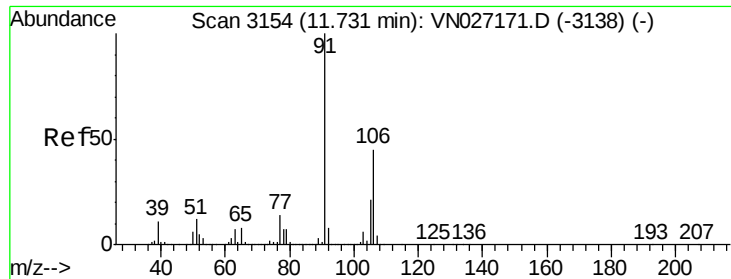
MMDadoda
 9/16/2015 11:47:01 AM



#68
 Ethyl Benzene
 Concen: 229.82 ug/l
 RT: 11.62 min Scan# 3119
 Delta R.T. 0.00 min
 Lab File: VN027173.D
 Acq: 15 Sep 2015 17:47

Tgt Ion: 91 Resp: 7581831
 Ion Ratio Lower Upper
 91 100
 106 28.9 23.1 34.7





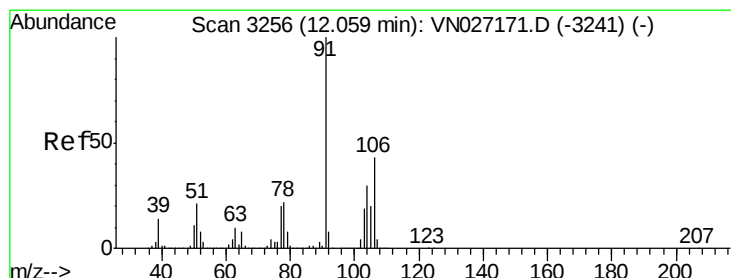
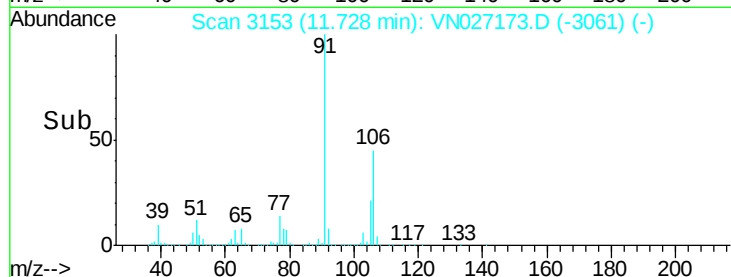
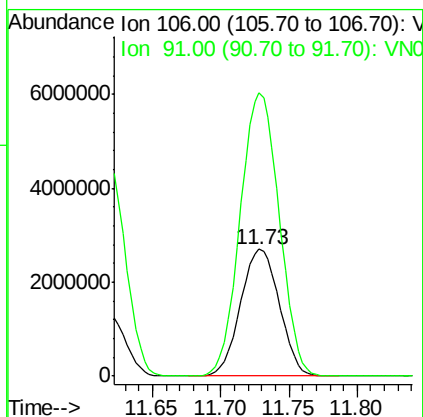
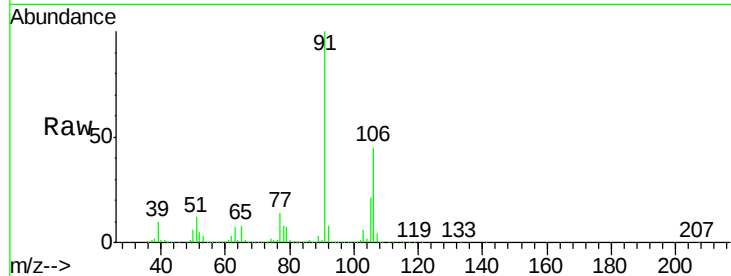
#69
m/p-Xylenes
Concen: 435.84 ug/l
RT: 11.73 min Scan# 3153
Delta R.T. -0.00 min
Lab File: VN027173.D
Acq: 15 Sep 2015 17:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC200

Tot Ion:106 Resp: 5346623
Ion Ratio Lower Upper
106 100
91 223.4 167.1 250.7

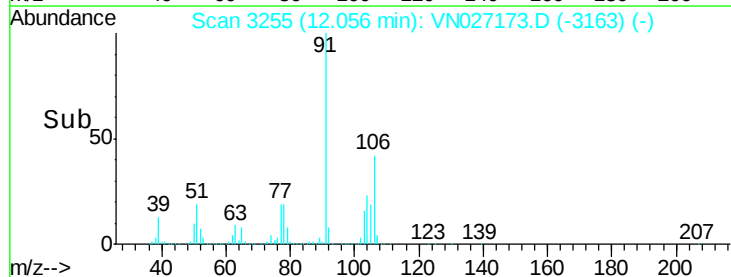
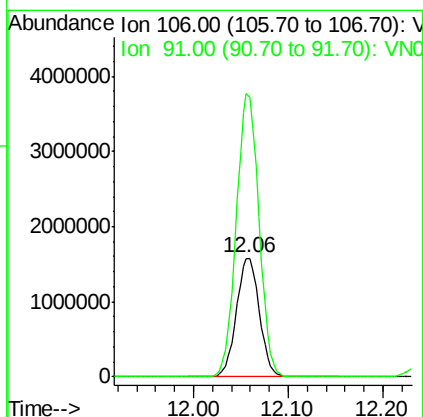
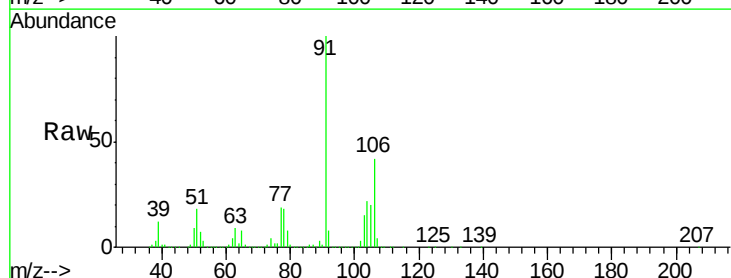
Manual Integrations
APPROVED

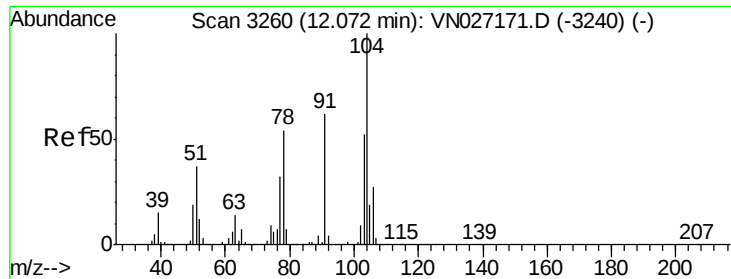
MMDadoda
9/16/2015 11:47:01 AM



#70
o-Xylene
Concen: 218.90 ug/l
RT: 12.06 min Scan# 3255
Delta R.T. -0.00 min
Lab File: VN027173.D
Acq: 15 Sep 2015 17:47

Tgt Ion:106 Resp: 2642665
Ion Ratio Lower Upper
106 100
91 236.7 110.7 331.9





#71

Stvrene

Concen: 229.40 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC200

Tot Ion:104 Resp: 4451878

Ion Ratio Lower Upper

104 100

78 59.9 41.6 62.4

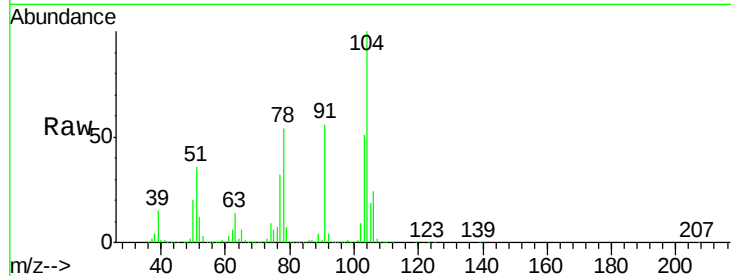
103 55.2 44.2 66.2

Manual Integrations

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MMDadoda

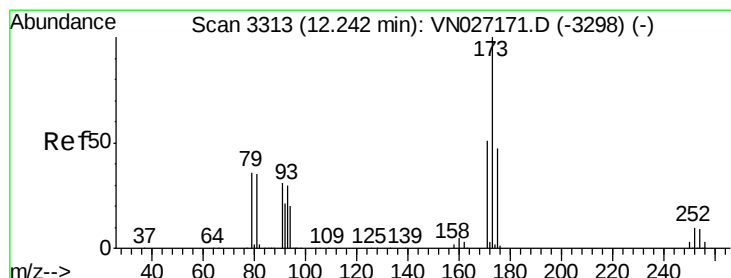
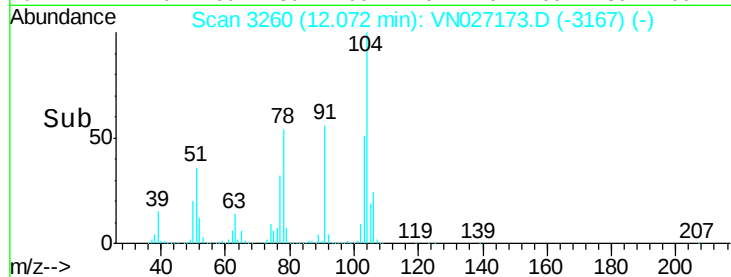
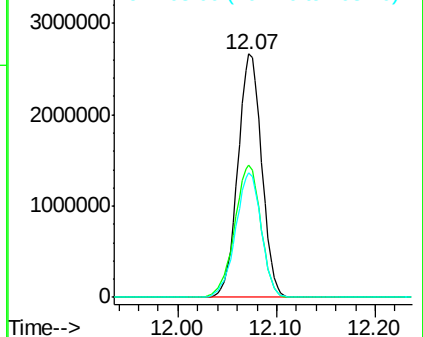
9/16/2015 11:47:01 AM



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: 203.60 ug/l

RT: 12.24 min Scan# 3313

Delta R.T. 0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

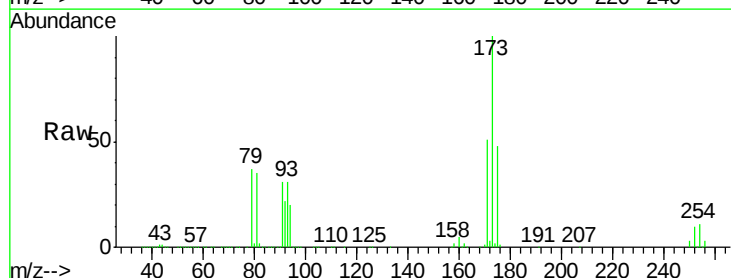
Tgt Ion:173 Resp: 955172

Ion Ratio Lower Upper

173 100

175 47.7 24.4 73.4

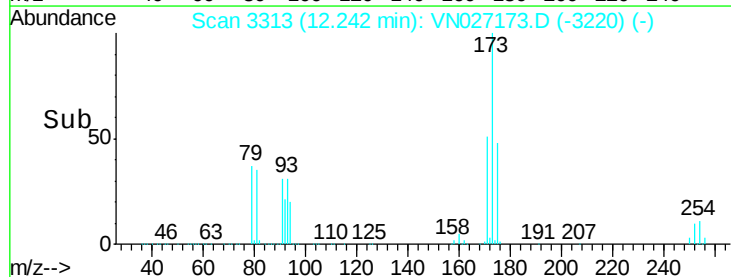
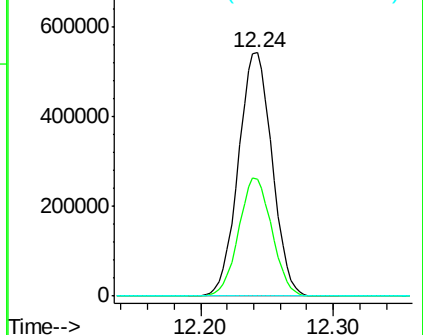
254 0.0 0.1 0.1#

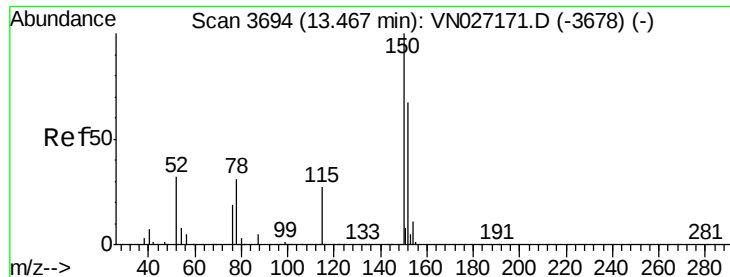


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN027173.D

Acq: 15 Sep 2015 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC200

Tot Ion:152 Resp: 359938

Ion Ratio Lower Upper

152 100

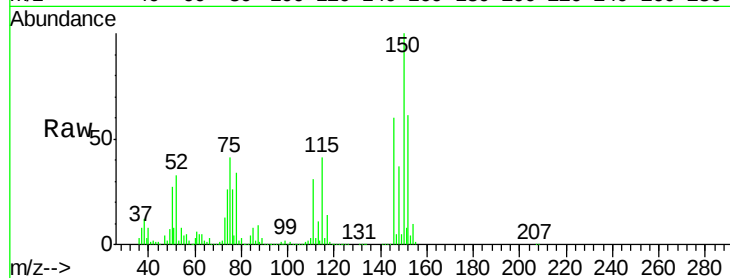
115 68.0 30.8 92.3

150 226.4 0.0 345.0

Manual Integrations
APPROVED

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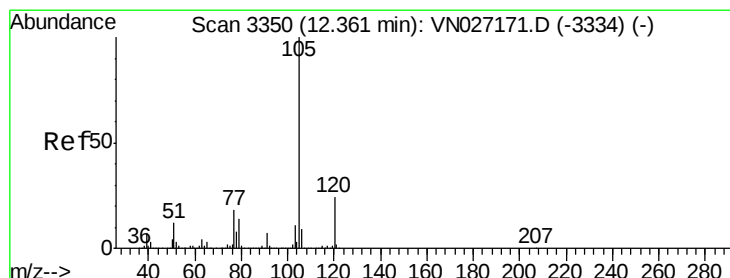
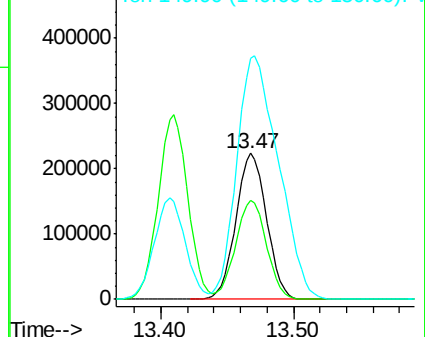
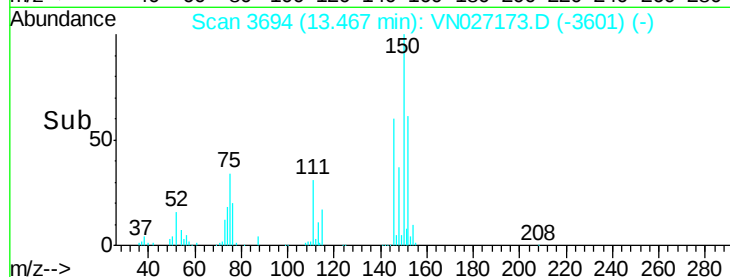
9/16/2015 11:47:01 AM



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: 229.05 ug/l

RT: 12.36 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VN027173.D

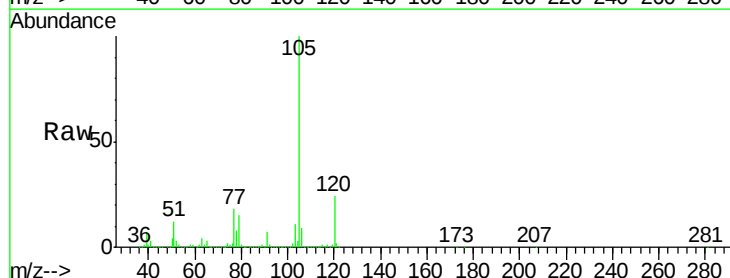
Acq: 15 Sep 2015 17:47

Tgt Ion:105 Resp: 7113429

Ion Ratio Lower Upper

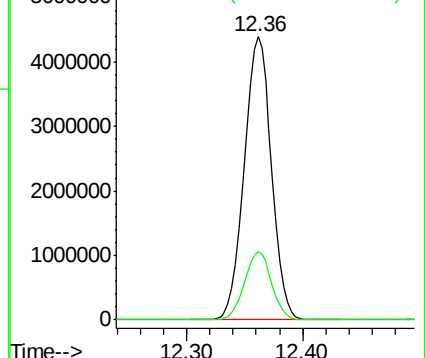
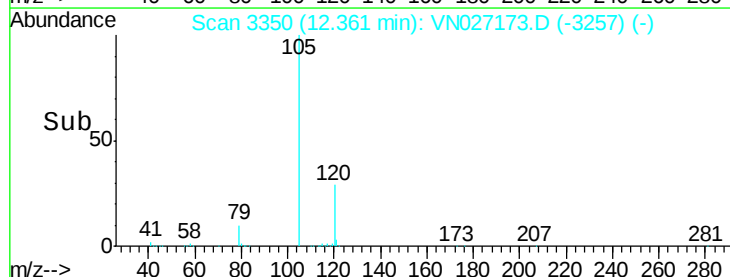
105 100

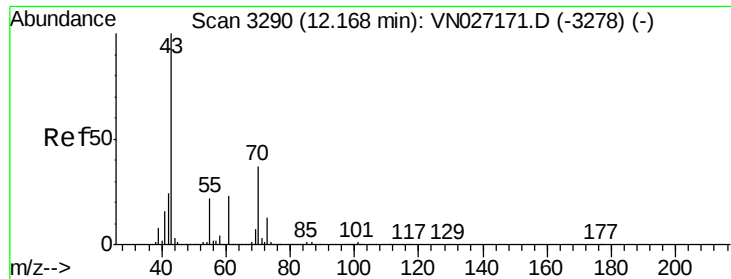
120 24.0 12.4 37.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

N-amvl acetate

Concen: 336.39 ug/l

RT: 12.17 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC200

Tot Ion: 43 Resp: 3197398

Ion Ratio Lower Upper

43 100

70 37.5 29.8 44.8

55 22.8 19.4 29.0

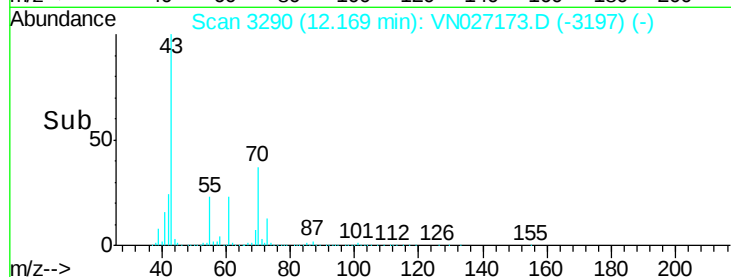
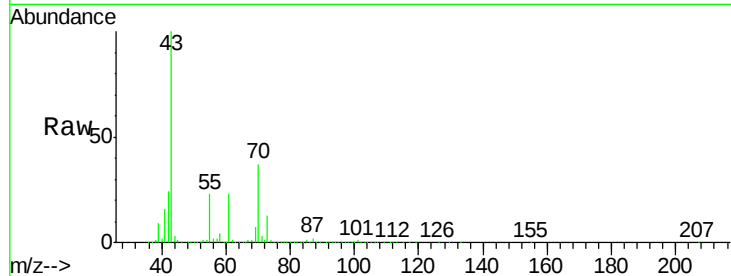
61 23.0 18.2 27.2

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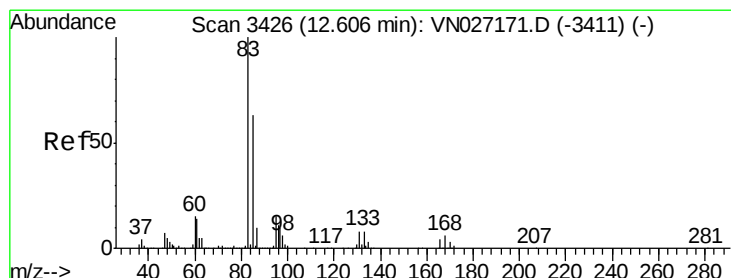
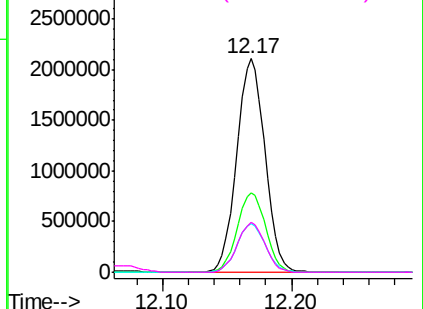


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 227.41 ug/l

RT: 12.61 min Scan# 3426

Delta R.T. 0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

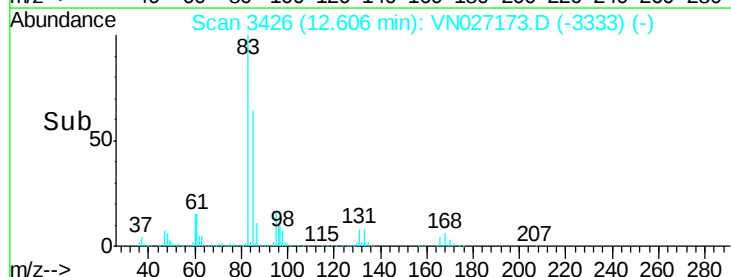
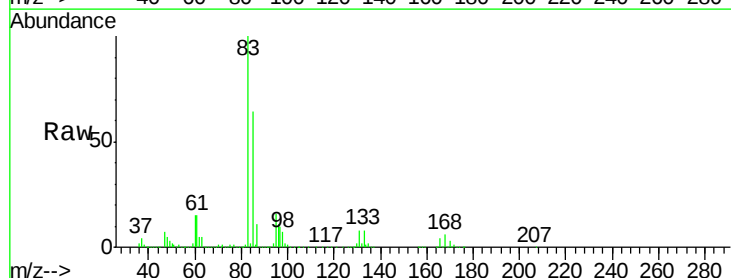
Tgt Ion: 83 Resp: 1916887

Ion Ratio Lower Upper

83 100

131 8.4 4.1 12.3

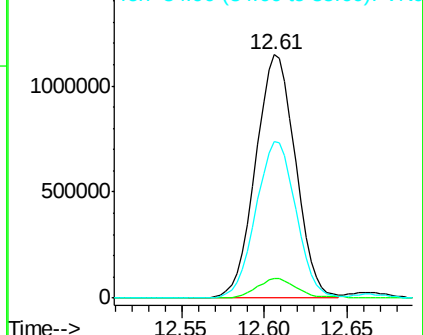
85 64.7 31.9 95.7

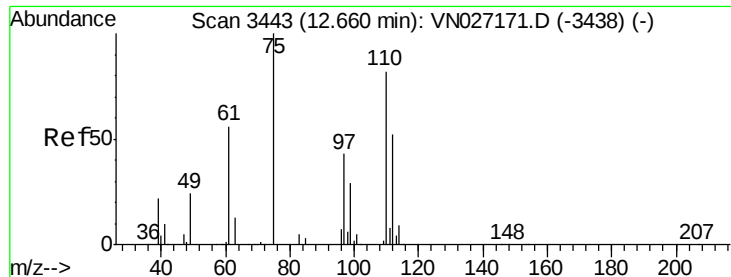


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#77

1,2,3-Trichloropropane

Concen: 256.88 ug/l m

RT: 12.66 min Scan# 3443

Delta R.T. 0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

Instrument :

MSVOA_N

ClientSampled :

VSTDIC200

Tot Ion: 75 Resp: 1829664

Ion Ratio Lower Upper

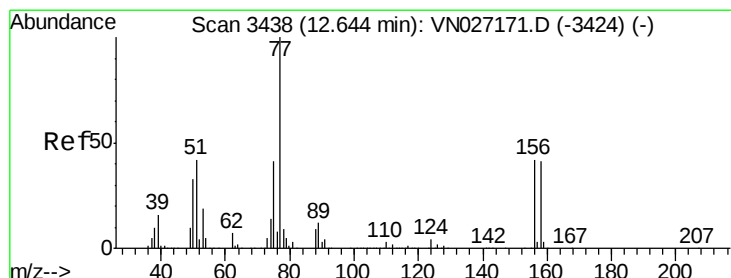
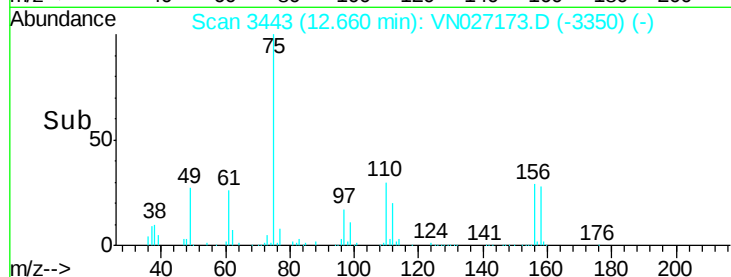
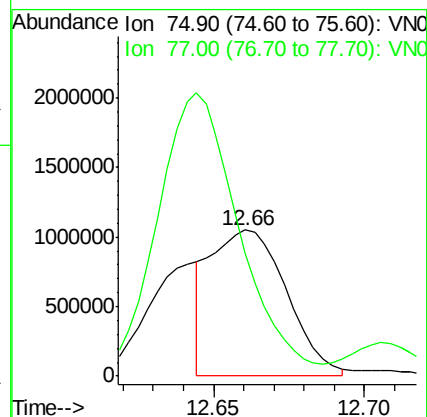
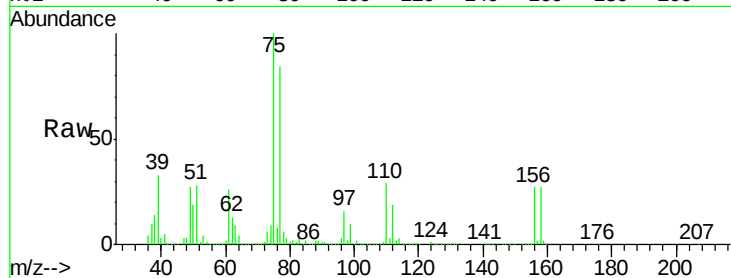
75 100

77 209.8 103.1 309.3

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#78

Bromobenzene

Concen: 182.09 ug/l

RT: 12.64 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

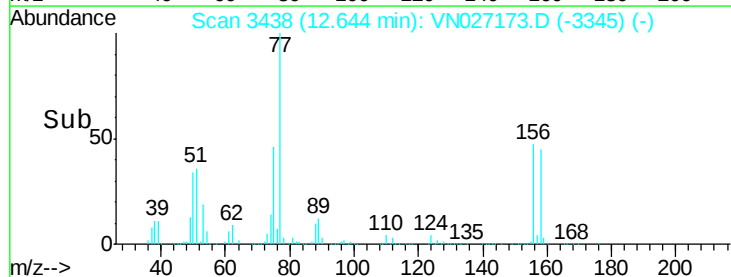
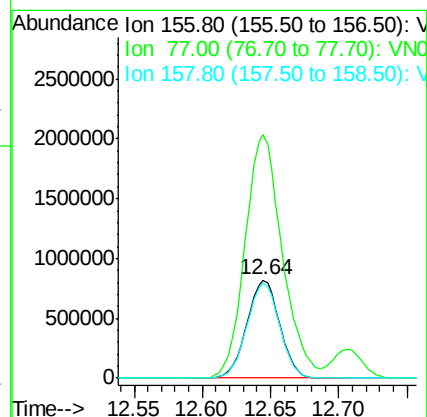
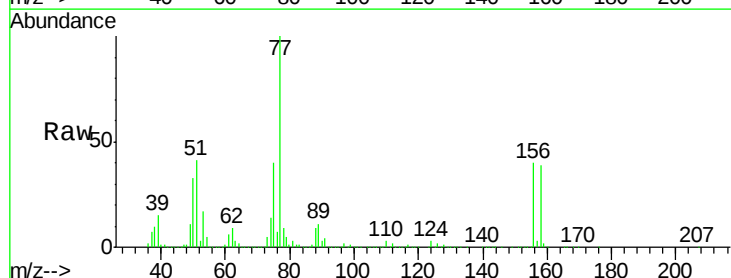
Tgt Ion: 156 Resp: 1362866

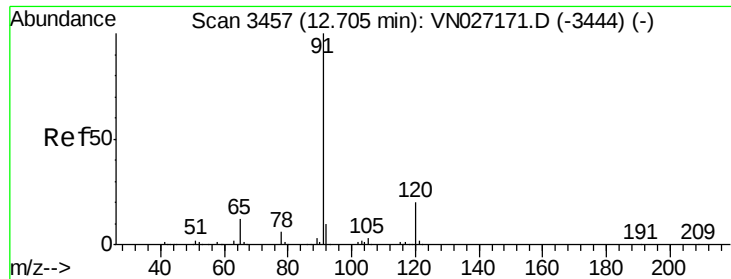
Ion Ratio Lower Upper

156 100

77 281.6 127.3 381.9

158 97.0 48.0 144.2





#79

n-propylbenzene

Concen: 255.62 ug/l

RT: 12.71 min Scan# 3457

Delta R.T. 0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC200

Tot Ion: 91 Resp: 8736669

Ion Ratio Lower Upper

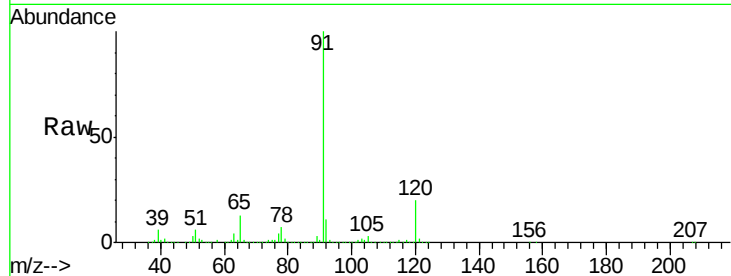
91 100

120 19.6 10.3 30.8

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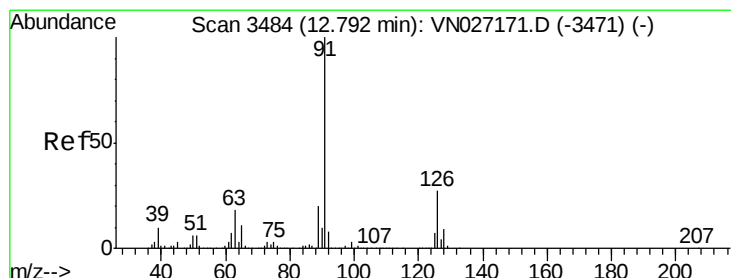
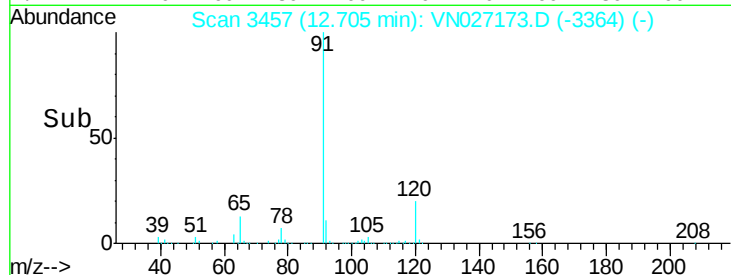
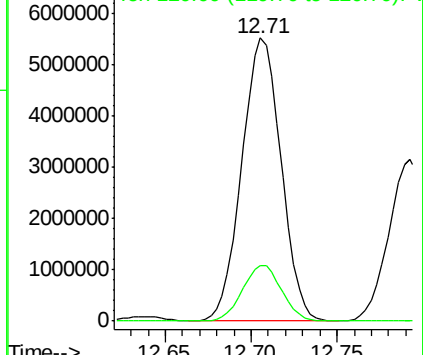
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#80

2-Chlorotoluene

Concen: 242.89 ug/l

RT: 12.79 min Scan# 3484

Delta R.T. 0.00 min

Lab File: VN027173.D

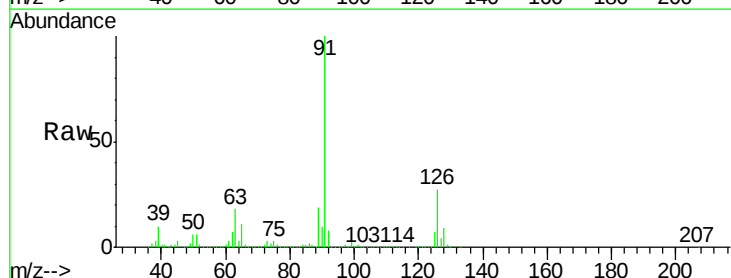
Acq: 15 Sep 2015 17:47

Tgt Ion: 91 Resp: 5139987

Ion Ratio Lower Upper

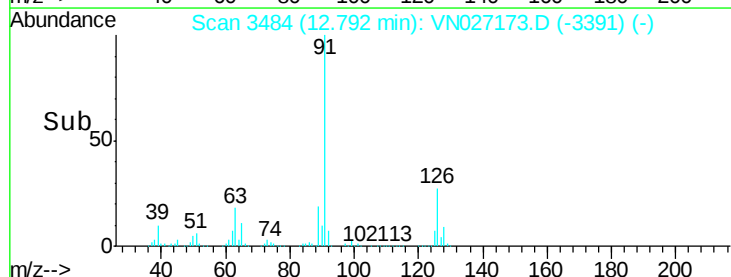
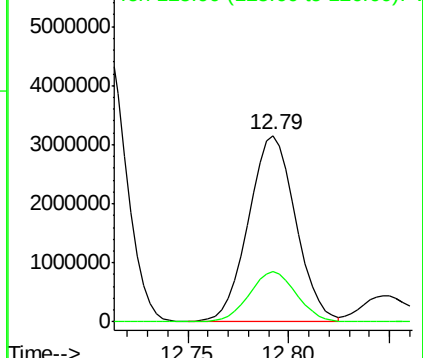
91 100

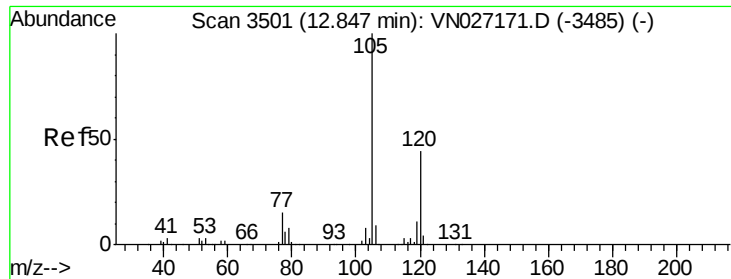
126 27.2 15.2 45.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





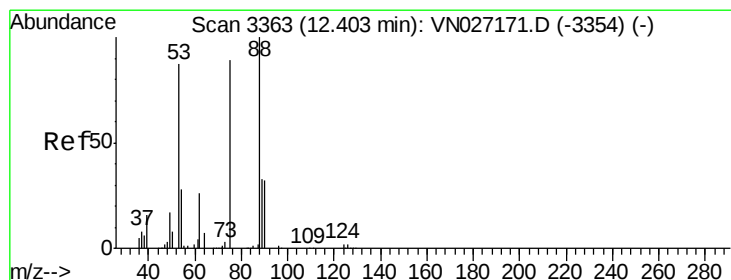
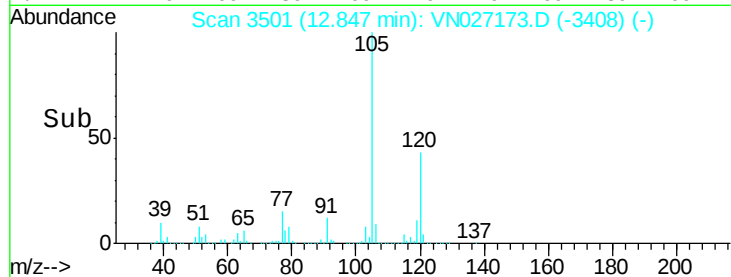
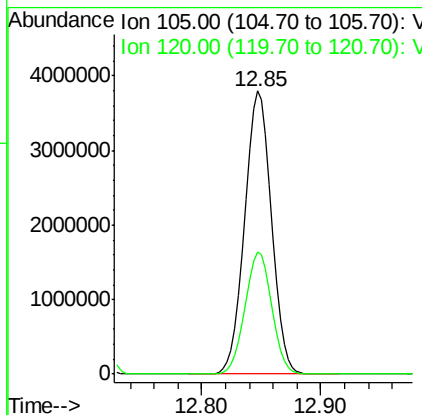
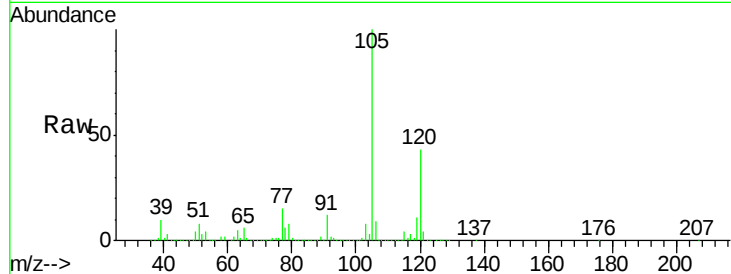
#81
 1,3,5-Trimethylbenzene
 Concen: 249.98 ug/l
 RT: 12.85 min Scan# 3501
 Delta R.T. 0.00 min
 Lab File: VN027173.D
 Acq: 15 Sep 2015 17:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC200

Tot Ion:105 Resp: 5897942
 Ion Ratio Lower Upper
 105 100
 120 43.1 23.4 70.0

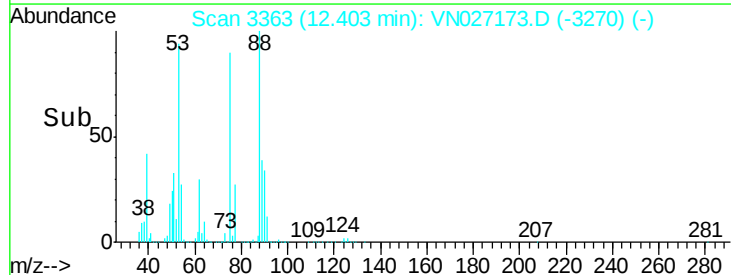
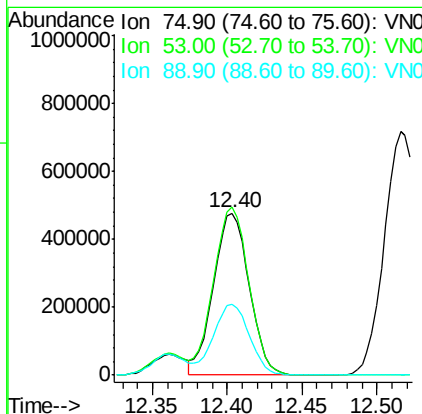
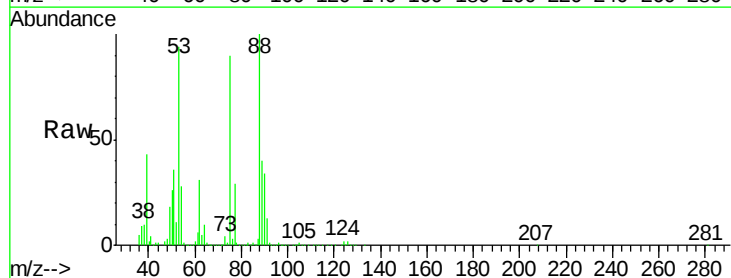
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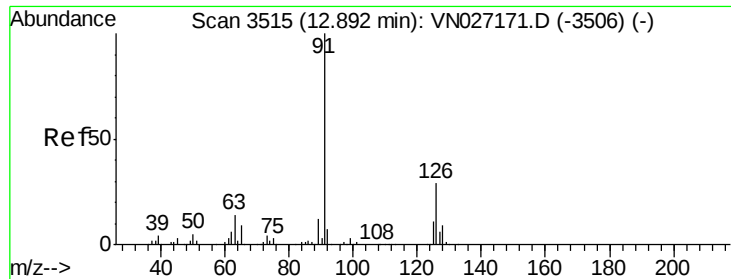
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#82
 trans-1,4-Dichloro-2-butene
 Concen: 315.49 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN027173.D
 Acq: 15 Sep 2015 17:47

Tgt Ion: 75 Resp: 789814
 Ion Ratio Lower Upper
 75 100
 53 103.7 92.9 139.3
 89 43.9 34.2 51.4





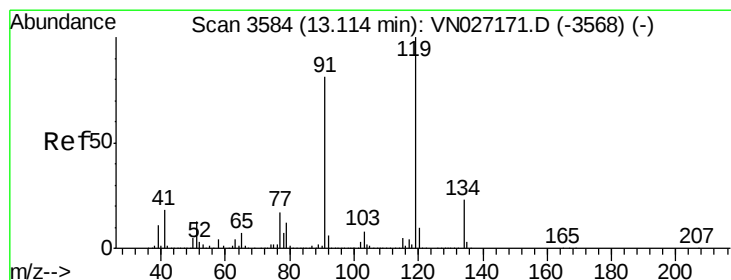
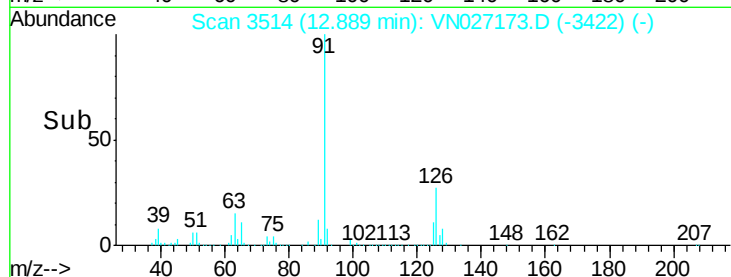
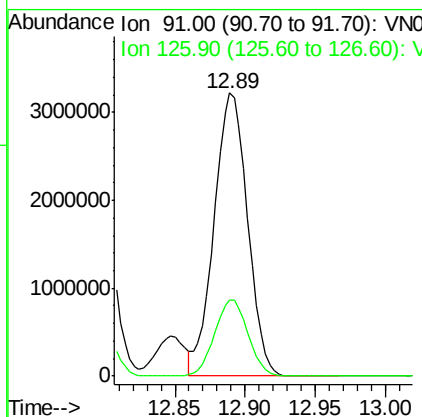
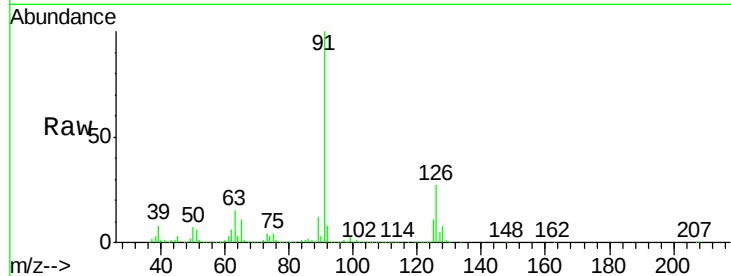
#83
4-Chlorotoluene
Concen: 258.47 ug/l
RT: 12.89 min Scan# 3514
Delta R.T. -0.00 min
Lab File: VN027173.D
Acq: 15 Sep 2015 17:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC200

Tot Ion: 91 Resp: 5291274
Ion Ratio Lower Upper
91 100
126 26.8 14.9 44.5

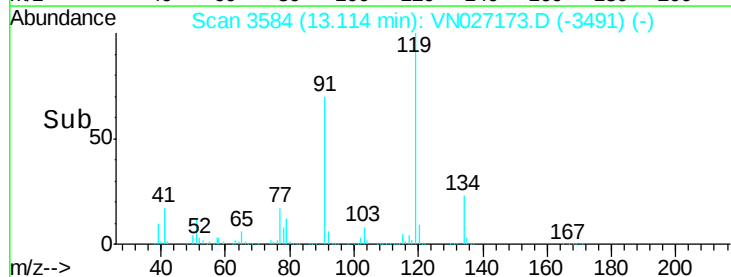
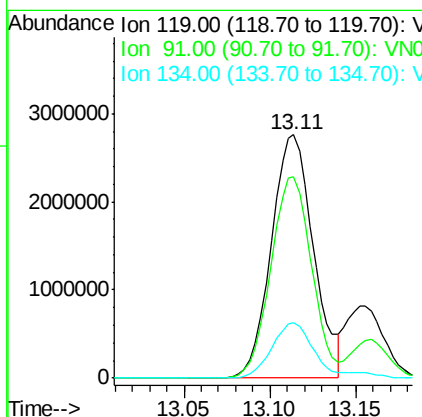
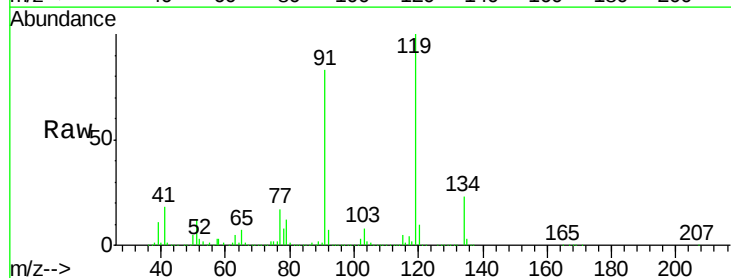
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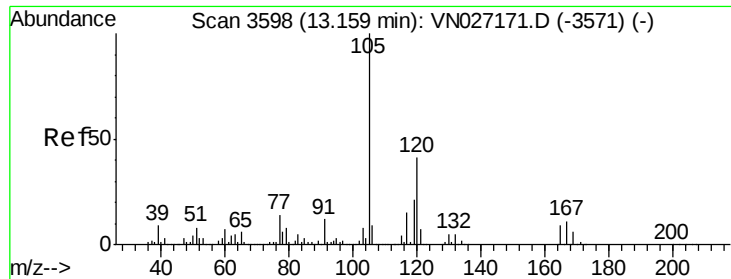
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#84
tert-Butylbenzene
Concen: 222.06 ug/l
RT: 13.11 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN027173.D
Acq: 15 Sep 2015 17:47

Tgt Ion: 119 Resp: 4690670
Ion Ratio Lower Upper
119 100
91 80.1 34.6 103.8
134 22.1 11.4 34.2





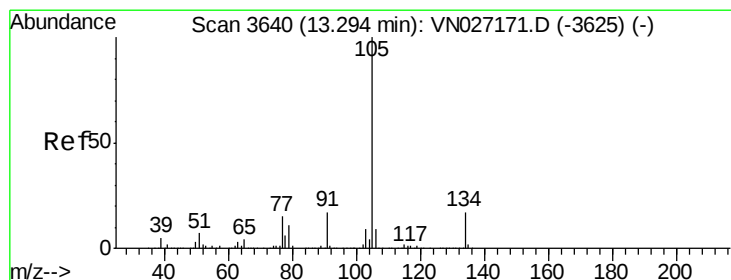
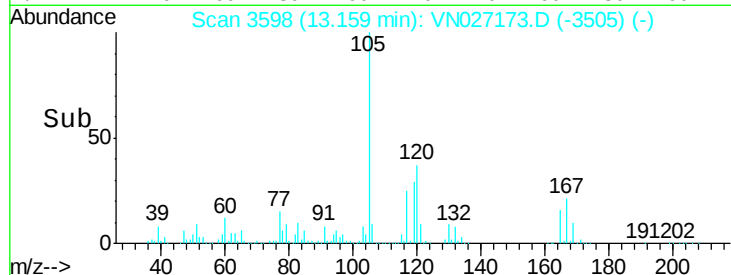
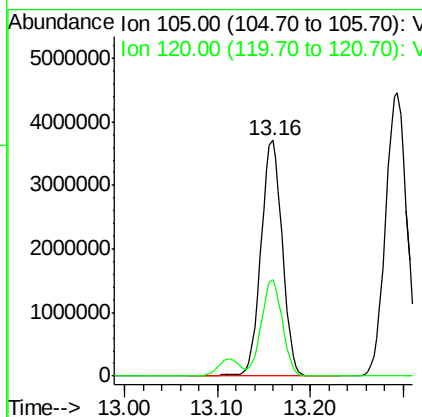
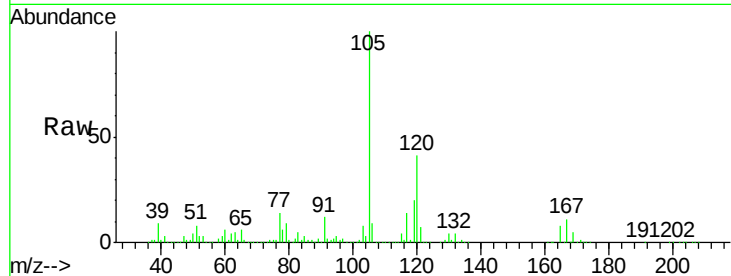
#85
 1,2,4-Trimethylbenzene
 Concen: 247.76 ug/l
 RT: 13.16 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN027173.D
 Acq: 15 Sep 2015 17:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC200

Tot Ion:105 Resp: 5894157
 Ion Ratio Lower Upper
 105 100
 120 40.3 21.9 65.5

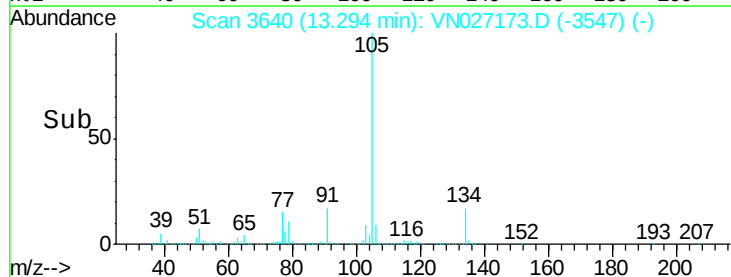
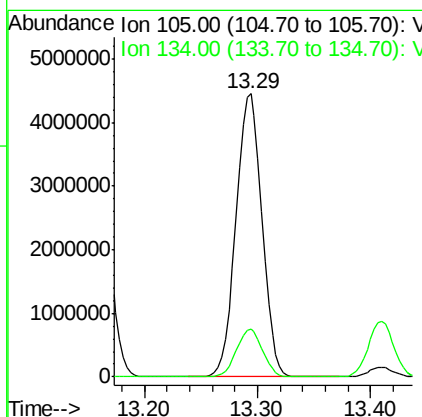
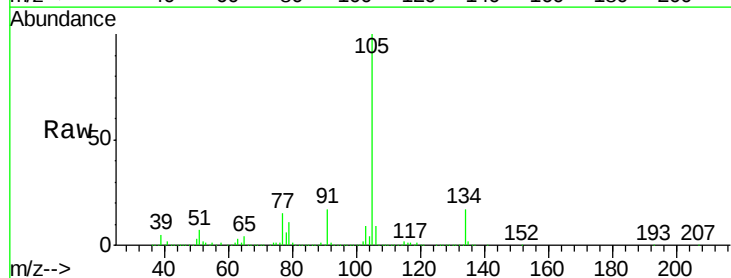
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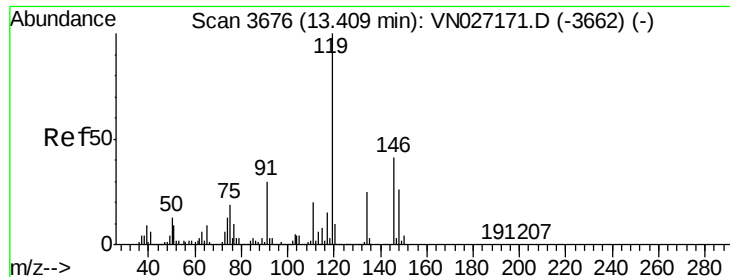
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#86
 sec-Butylbenzene
 Concen: 243.89 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN027173.D
 Acq: 15 Sep 2015 17:47

Tgt Ion:105 Resp: 7112869
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.8 26.4





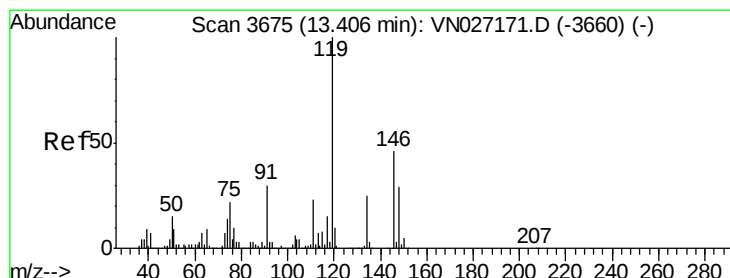
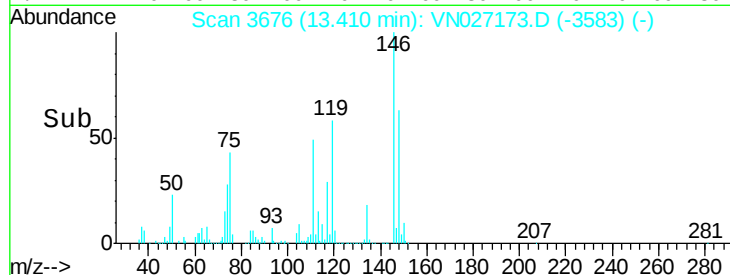
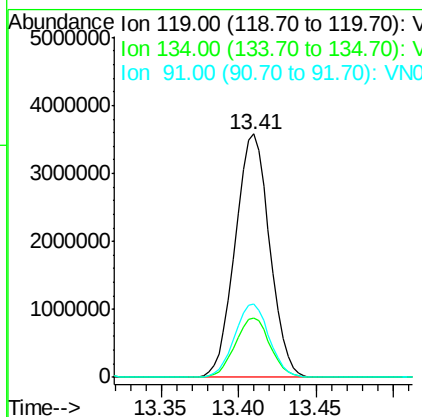
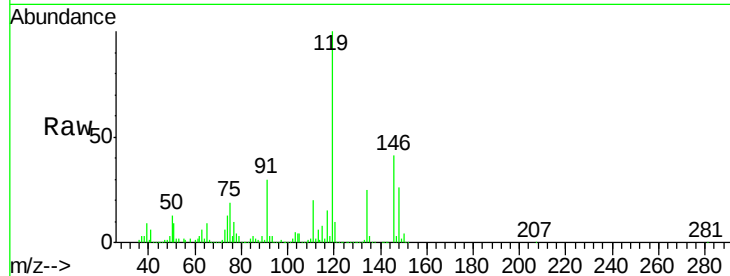
#87
 p-Isopropyltoluene
 Concen: 232.74 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027173.D
 Acq: 15 Sep 2015 17:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC200

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.7	12.4	37.0
91	30.0	12.0	36.1

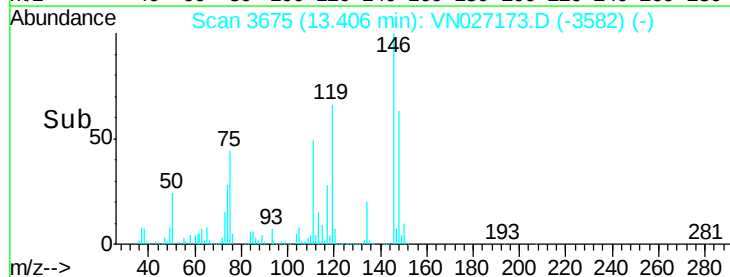
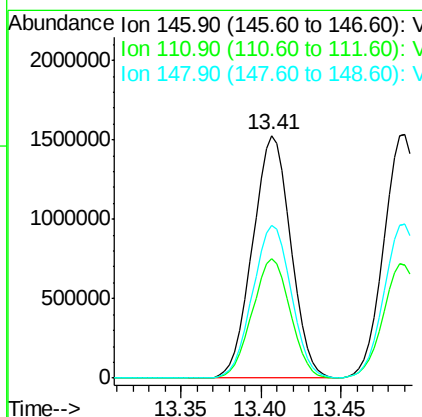
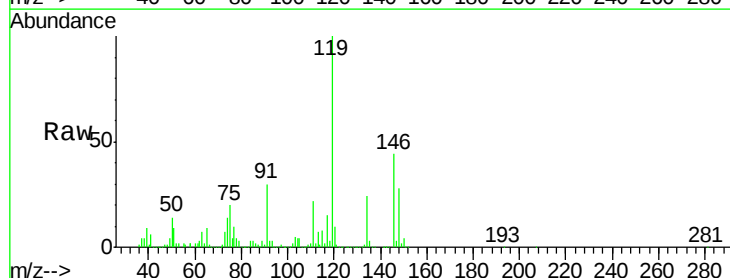
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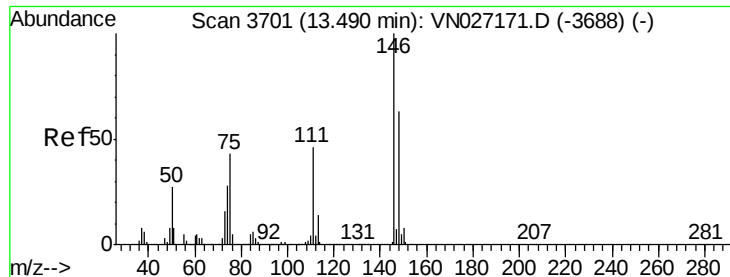
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#88
 1,3-Dichlorobenzene
 Concen: 193.12 ug/l
 RT: 13.41 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN027173.D
 Acq: 15 Sep 2015 17:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.1	21.0	63.0
148	63.8	31.9	95.9





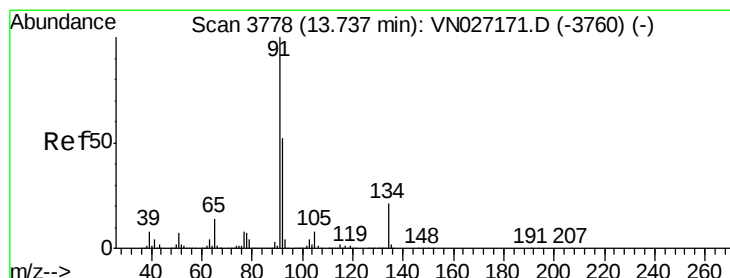
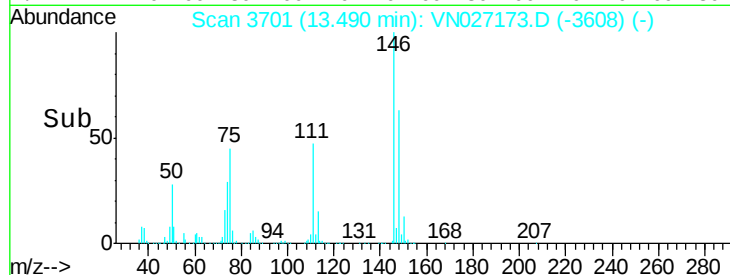
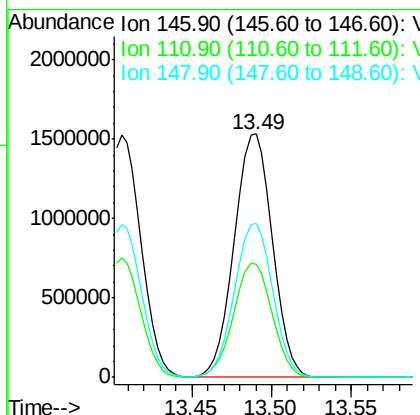
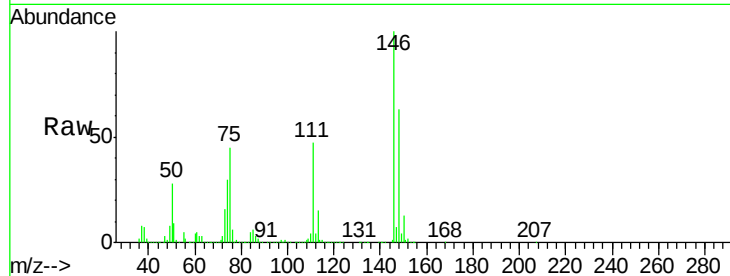
#89
 1,4-Dichlorobenzene
 Concen: 191.16 ug/l
 RT: 13.49 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VN027173.D
 Acq: 15 Sep 2015 17:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC200

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.0	19.9	59.6
148	63.4	31.7	95.1

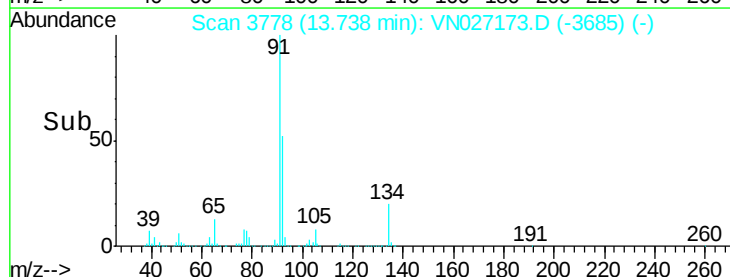
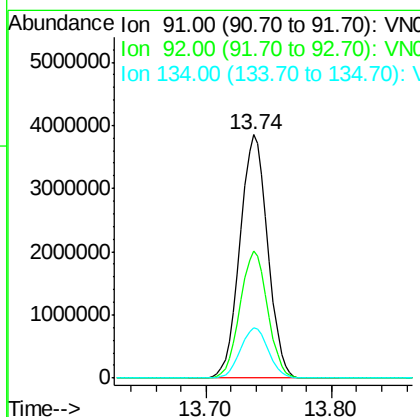
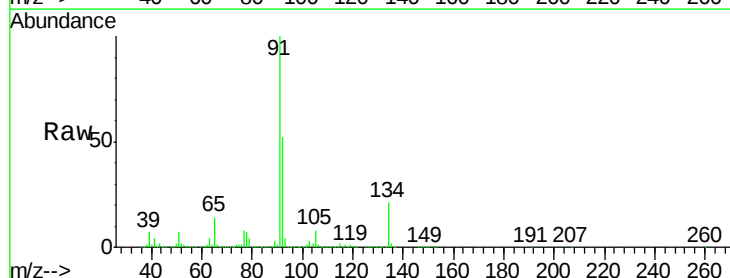
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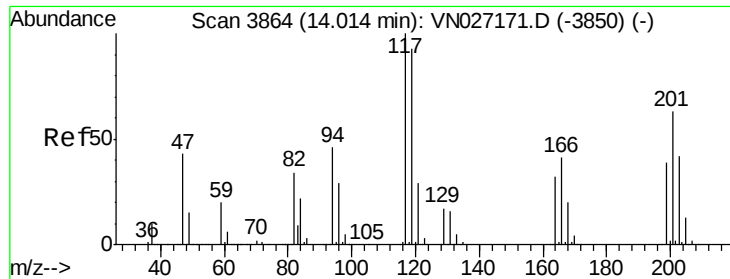
MMDadoda
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#90
 n-Butylbenzene
 Concen: 286.82 ug/l
 RT: 13.74 min Scan# 3778
 Delta R.T. 0.00 min
 Lab File: VN027173.D
 Acq: 15 Sep 2015 17:47

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.2
134	20.8	11.1	33.1





#91

Hexachloroethane

Concen: 242.34 ug/l

RT: 14.01 min Scan# 3864

Delta R.T. 0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC200

Tot Ion:117 Resp: 1146547

Ion Ratio Lower Upper

117 100

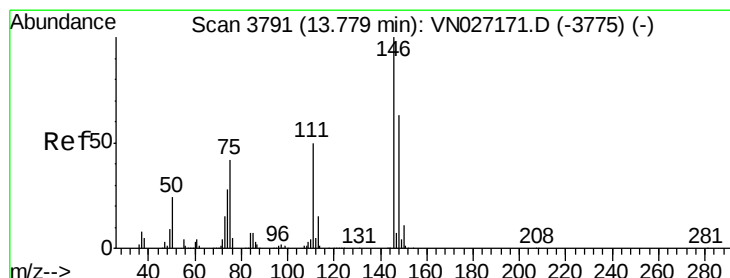
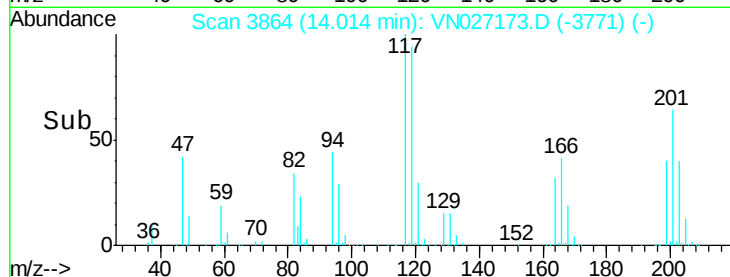
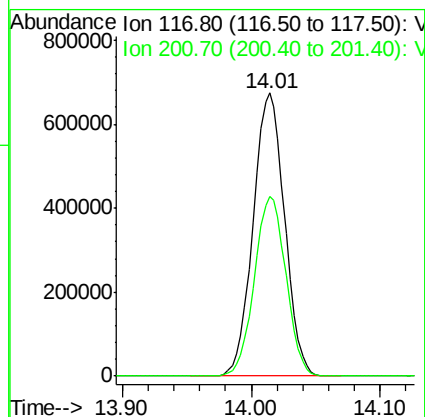
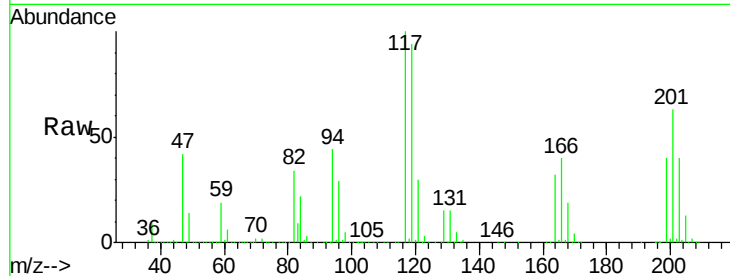
201 63.5 34.9 104.7

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#92

1,2-Dichlorobenzene

Concen: 189.23 ug/l

RT: 13.78 min Scan# 3791

Delta R.T. 0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

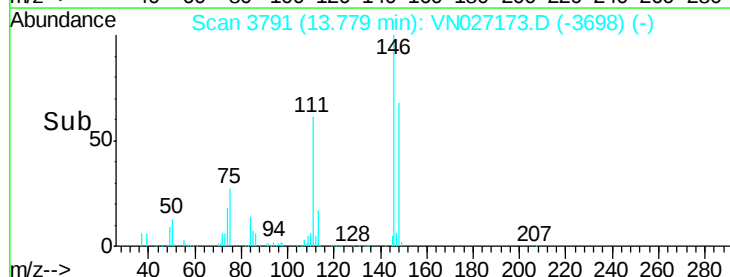
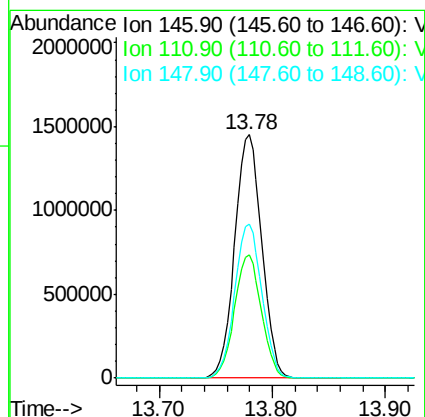
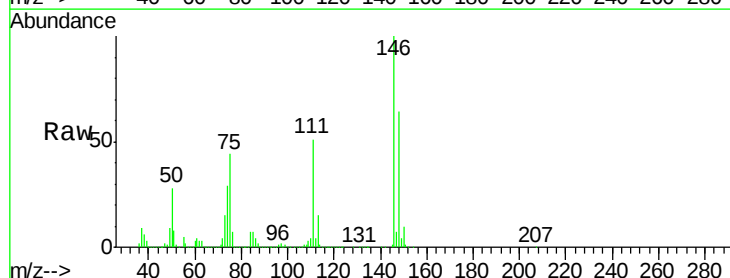
Tgt Ion:146 Resp: 2417040

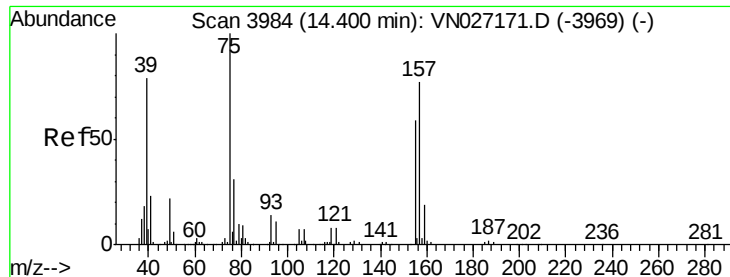
Ion Ratio Lower Upper

146 100

111 50.4 22.1 66.3

148 63.5 32.0 96.0





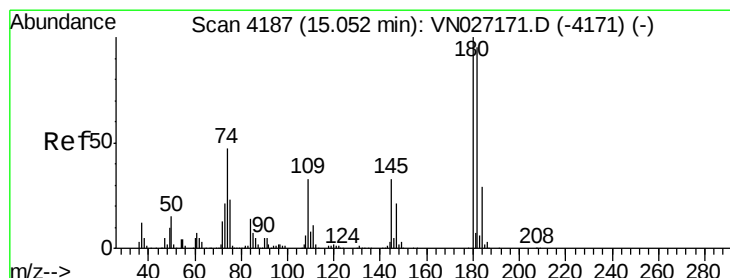
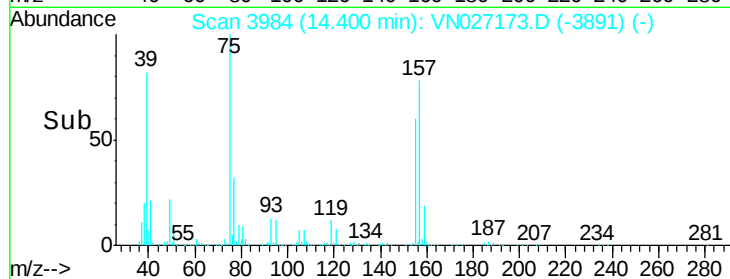
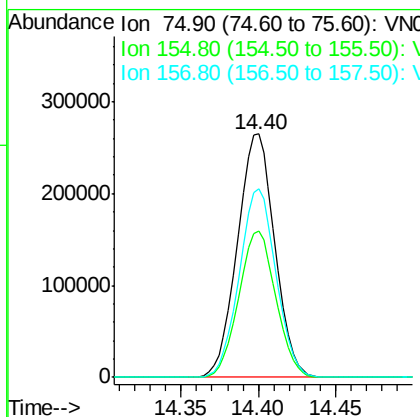
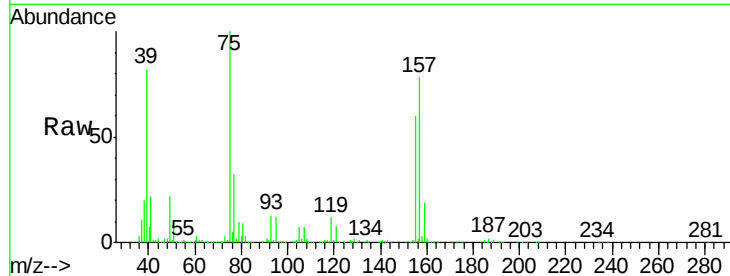
#93
 1,2-Dibromo-3-Chloropropane
 Concen: 352.77 ug/l
 RT: 14.40 min Scan# 3984
 Delta R.T. 0.00 min
 Lab File: VN027173.D
 Acq: 15 Sep 2015 17:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC200

Tot Ion	Ratio	Lower	Upper
75	100		
155	59.9	35.6	106.9
157	76.7	44.6	133.8

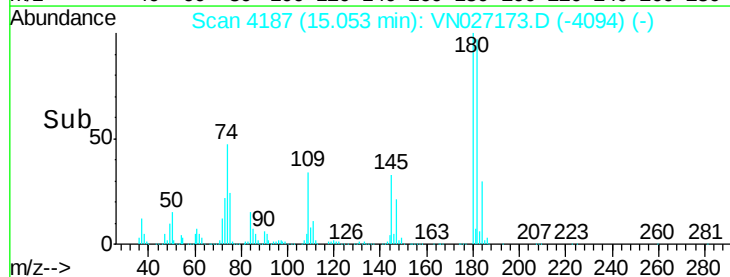
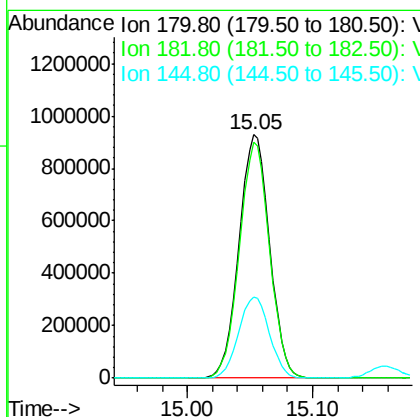
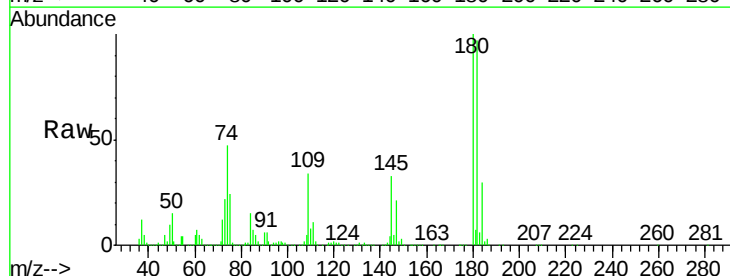
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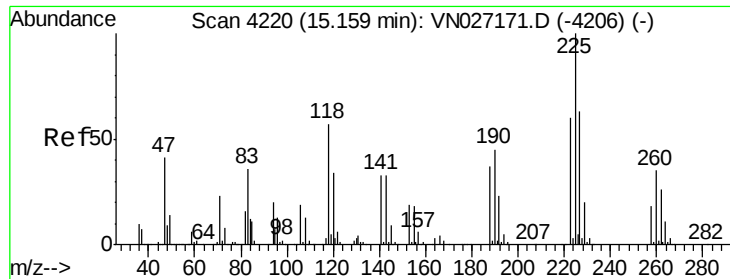
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#94
 1,2,4-Trichlorobenzene
 Concen: 243.52 ug/l
 RT: 15.05 min Scan# 4187
 Delta R.T. 0.00 min
 Lab File: VN027173.D
 Acq: 15 Sep 2015 17:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.5	142.5
145	33.7	15.1	45.3





#95

Hexachlorobutadiene

Concen: 198.62 ug/l

RT: 15.16 min Scan# 4220

Delta R.T. 0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC200

Tot Ion:225 Resp: 709872

Ion Ratio Lower Upper

225 100

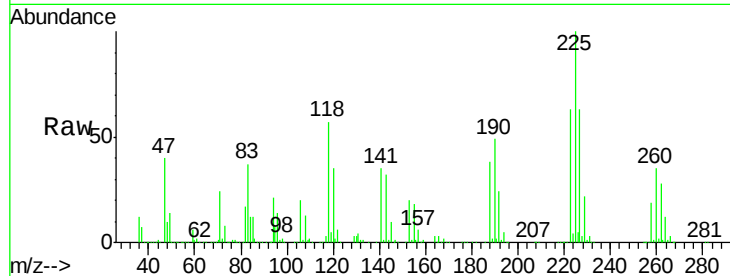
223 64.1 30.8 92.3

227 63.8 31.7 95.1

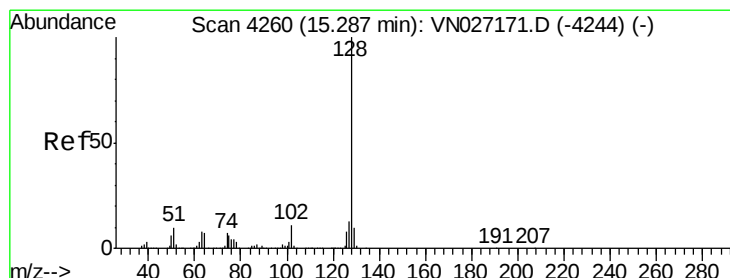
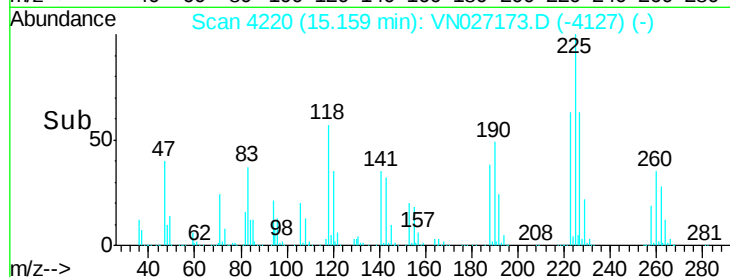
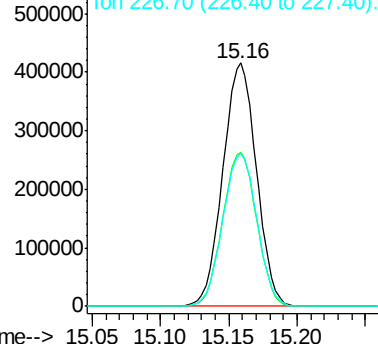
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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#96

Naphthalene

Concen: 306.34 ug/l

RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

Lab File: VN027173.D

Acq: 15 Sep 2015 17:47

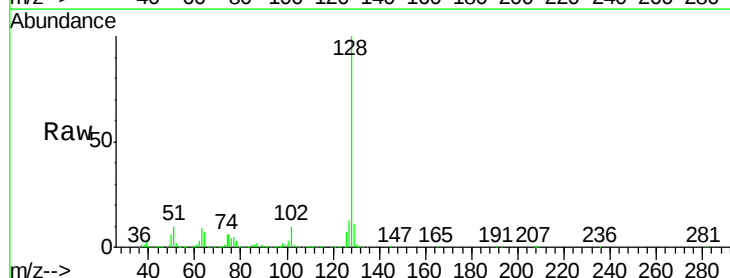
Tgt Ion:128 Resp: 4726916

Ion Ratio Lower Upper

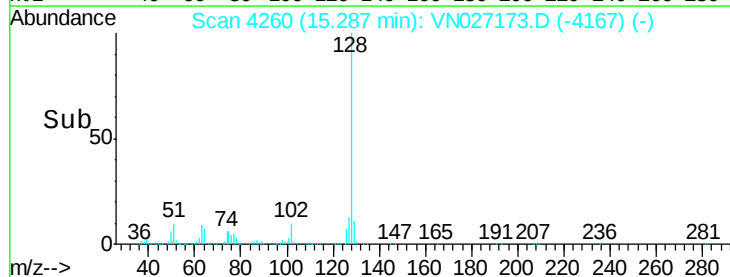
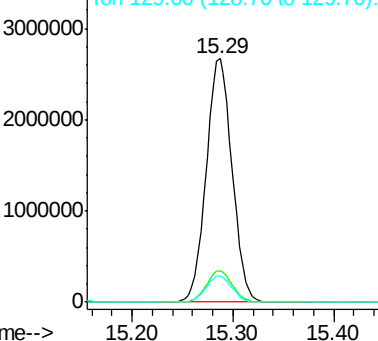
128 100

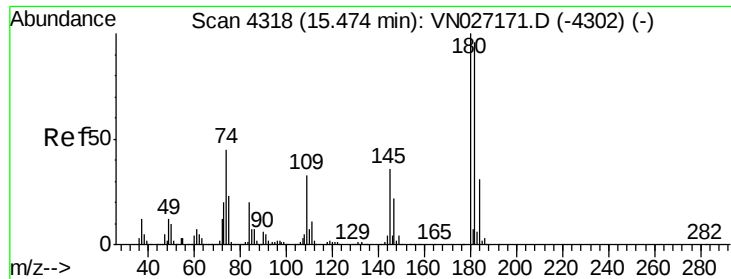
127 13.1 10.4 15.6

129 10.8 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: 240.28 ug/l
 RT: 15.47 min Scan# 4318
 Delta R.T. 0.00 min
 Lab File: VN027173.D
 Acq: 15 Sep 2015 17:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC200

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.8	146.4
145	35.5	16.6	49.8

Manual Integrations
 APPROVED

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 9/16/2015 11:47:01 AM

