

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091715\
 Data File : VN027268.D
 Acq On : 17 Sep 2015 21:39
 Operator : MD\FY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 12:23:52 PM

Quant Time: Sep 18 06:52:43 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 21:12:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	526632	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1001252	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	863292	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	329325	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	536397	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
36) Dibromofluoromethane	7.68	113	344505	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
51) Toluene-d8	10.19	98	1341298	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
63) 4-Bromofluorobenzene	12.52	95	477350	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	287411	45.61	ug/l	100
3) Chlorodifluoromethane	1.81	51	423870	58.13	ug/l	# 93
4) Chloromethane	2.01	50	323813	45.97	ug/l	99
5) Vinyl Chloride	2.14	62	363267	48.81	ug/l	97
6) Bromomethane	2.54	94	152518	42.01	ug/l	99
7) Chloroethane	2.68	64	230631	45.59	ug/l	98
8) Trichlorofluoromethane	3.02	101	526144	46.80	ug/l	100
9) Diethyl Ether	3.42	74	238247	46.06	ug/l	87
10) 1,1,2-Trichlorotrifluoroet	3.79	101	330427	46.80	ug/l	96
11) Methyl Iodide	3.99	142	279871	40.78	ug/l	91
12) Tert butyl alcohol	4.80	59	243518	230.79	ug/l	98
13) 1,1-Dichloroethene	3.76	96	317725	46.99	ug/l	96
14) Acrolein	3.62	56	283725	228.90	ug/l	97
15) Allyl chloride	4.37	41	618334	45.27	ug/l	# 83
16) Acrylonitrile	5.02	53	863265	250.19	ug/l	98
17) Acetone	3.82	43	692005	237.86	ug/l	96
18) Carbon Disulfide	4.11	76	958523	43.53	ug/l	100
19) Methyl Acetate	4.36	43	1045559	49.62	ug/l	95
20) Methyl tert-butyl Ether	5.12	73	1288094	47.45	ug/l	97
21) Methylene Chloride	4.60	84	388443	47.93	ug/l	98
22) trans-1,2-Dichloroethene	5.12	96	347253	47.48	ug/l	99
23) Diisopropyl ether	6.03	45	1358839	47.42	ug/l	# 87
24) Vinyl Acetate	5.97	43	2299382	242.44	ug/l	98
25) 1,1-Dichloroethane	5.93	63	777953	46.73	ug/l	99
26) 2-Butanone	6.91	43	1064758	243.04	ug/l	95
27) 2,2-Dichloropropane	6.92	77	626682	43.39	ug/l	95
28) cis-1,2-Dichloroethene	6.92	96	412091	49.13	ug/l	96
29) Bromochloromethane	7.29	49	303567	46.98	ug/l	97
30) Tetrahydrofuran	7.31	42	694334	229.97	ug/l	91
31) Chloroform	7.46	83	734520	48.83	ug/l	99
32) Cyclohexane	7.77	56	706062	47.60	ug/l	90
33) 1,1,1-Trichloroethane	7.67	97	650132	48.48	ug/l	96
37) 1,1-Dichloropropene	7.89	75	558069	47.61	ug/l	98
38) Ethyl Acetate	7.02	43	490127	49.17	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	521174	47.30	ug/l	99
40) Methylcyclohexane	9.19	83	661509	46.35	ug/l	98
41) Benzene	8.14	78	1638589	47.92	ug/l	99
42) Methacrylonitrile	7.24	41	274157	48.39	ug/l #	91
43) 1,2-Dichloroethane	8.22	62	655424	47.58	ug/l	96
44) Isopropyl Acetate	8.25	43	891032	47.57	ug/l	99
45) Trichloroethene	8.93	130	329033	47.90	ug/l	91
46) 1,2-Dichloropropane	9.22	63	458425	46.59	ug/l	100
47) Dibromomethane	9.31	93	273908	47.41	ug/l	94
48) Bromodichloromethane	9.49	83	578577	47.52	ug/l	99
49) Methyl methacrylate	9.29	41	439130	47.06	ug/l #	88
50) 1,4-Dioxane	9.30	88	99870	912.53	ug/l	98
52) 4-Methyl-2-Pentanone	10.07	43	2343028	236.60	ug/l	100
53) Toluene	10.26	92	959645	47.91	ug/l	99
54) t-1,3-Dichloropropene	10.47	75	629242	46.03	ug/l	99
55) cis-1,3-Dichloropropene	9.93	75	684219	46.00	ug/l	93
56) 1,1,2-Trichloroethane	10.66	97	367198	48.78	ug/l	97
57) Ethyl methacrylate	10.52	69	600792	47.36	ug/l #	91
58) 1,3-Dichloropropane	10.81	76	669916	47.94	ug/l	98
59) 2-Chloroethyl Vinyl ether	9.78	63	1603514	275.28	ug/l	97
60) 2-Hexanone	10.84	43	1569339	232.76	ug/l	99
61) Dibromochloromethane	11.00	129	362742	47.18	ug/l	99
62) 1,2-Dibromoethane	11.11	107	355415	48.04	ug/l	100
65) Tetrachloroethene	10.74	164	258822	46.88	ug/l	95
66) Chlorobenzene	11.54	112	951289	46.68	ug/l	100
67) 1,1,1,2-Tetrachloroethane	11.62	131	325375	46.80	ug/l	99
68) Ethyl Benzene	11.62	91	1820683	47.11	ug/l	100
69) m/p-Xylenes	11.73	106	1258868	94.41	ug/l	91
70) o-Xylene	12.06	106	629371	47.08	ug/l	91
71) Styrene	12.07	104	1039135	48.16	ug/l	95
72) Bromoform	12.24	173	224489	46.43	ug/l #	99
74) Isopropylbenzene	12.36	105	1698640	46.81	ug/l	99
75) N-amyl acetate	12.17	43	739177	45.64	ug/l	98
76) 1,1,2,2-Tetrachloroethane	12.61	83	484166	51.81	ug/l	99
77) 1,2,3-Trichloropropane	12.66	75	422388m	42.44	ug/l	
78) Bromobenzene	12.64	156	332380	46.70	ug/l	94
79) n-propylbenzene	12.71	91	2022953	47.38	ug/l	97
80) 2-Chlorotoluene	12.79	91	1215669	47.42	ug/l	95
81) 1,3,5-Trimethylbenzene	12.85	105	1361808	46.71	ug/l	95
82) trans-1,4-Dichloro-2-buten	12.40	75	169122	41.74	ug/l	92
83) 4-Chlorotoluene	12.89	91	1203699	47.79	ug/l	96
84) tert-Butylbenzene	13.11	119	1092539	45.42	ug/l	89
85) 1,2,4-Trimethylbenzene	13.16	105	1357952	46.37	ug/l	95
86) sec-Butylbenzene	13.29	105	1666813	47.30	ug/l	99
87) p-Isopropyltoluene	13.41	119	1267868	46.71	ug/l	95
88) 1,3-Dichlorobenzene	13.41	146	583521	47.92	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	566704	45.95	ug/l	94
90) n-Butylbenzene	13.74	91	1247451	47.36	ug/l	99
91) Hexachloroethane	14.01	117	265388	44.68	ug/l	92
92) 1,2-Dichlorobenzene	13.78	146	579025	48.11	ug/l	96

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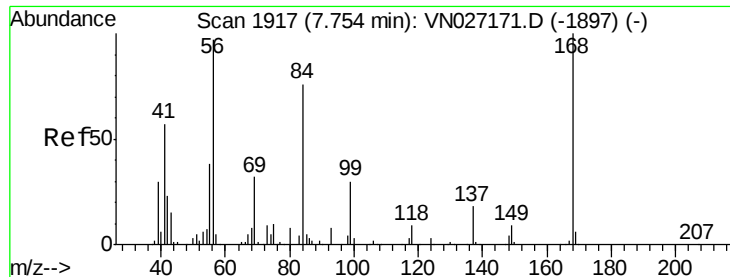
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	97648	47.03	ug/l	86
94) 1,2,4-Trichlorobenzene	15.05	180	315564	48.54	ug/l	97
95) Hexachlorobutadiene	15.16	225	157140	45.90	ug/l	99
96) Naphthalene	15.29	128	918703	48.20	ug/l	100
97) 1,2,3-Trichlorobenzene	15.47	180	311217	48.16	ug/l	99

(#) = 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

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Acq: 17 Sep 2015 21:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 526632

Ion Ratio Lower Upper

168 100

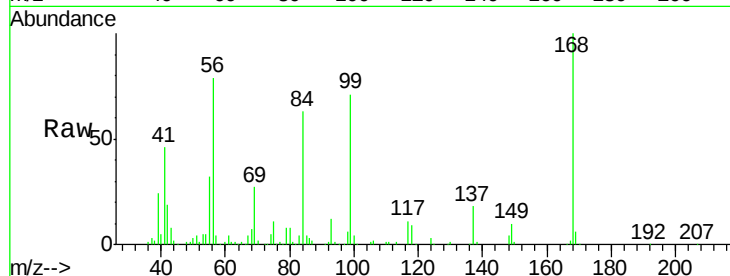
99 70.2 50.4 75.6

Manual Integrations

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9/18/2015 12:23:52 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.75

250000

200000

150000

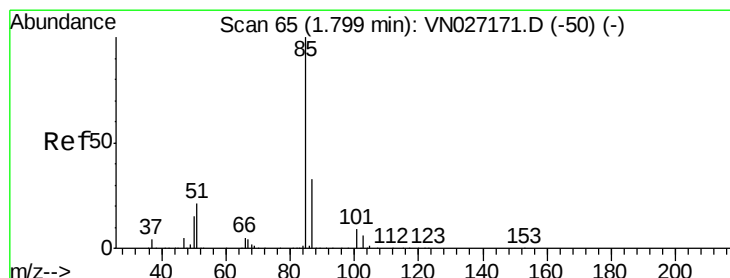
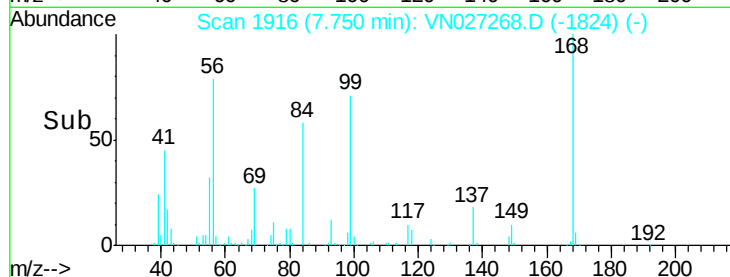
100000

50000

0

7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.61 ug/l

RT: 1.80 min Scan# 64

Delta R.T. -0.00 min

Lab File: VN027268.D

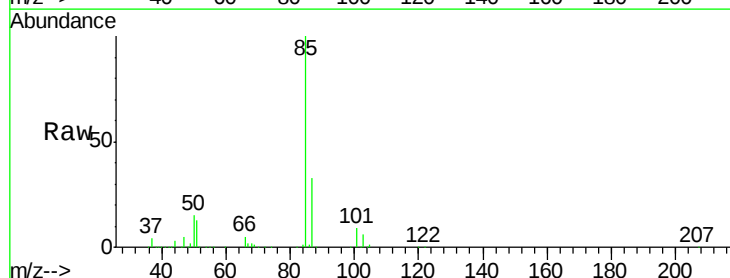
Acq: 17 Sep 2015 21:39

Tgt Ion: 85 Resp: 287411

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.80

200000

150000

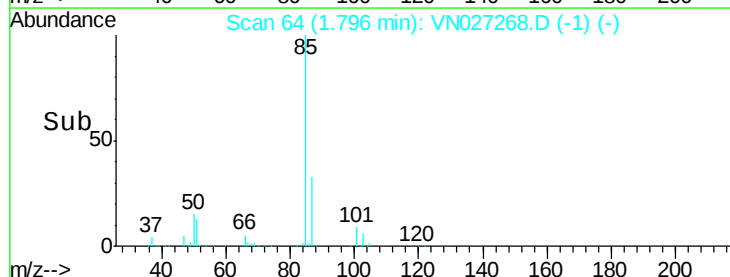
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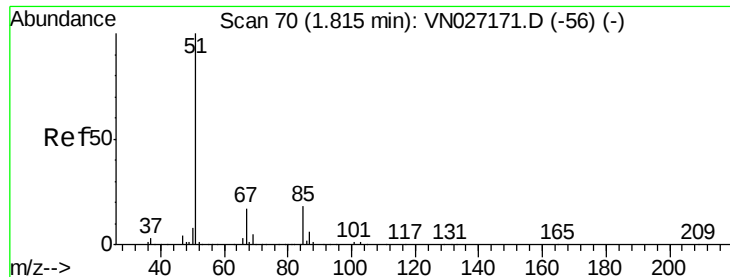
50000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chlorodifluoromethane

Concen: 58.13 ug/l

RT: 1.81 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN027268.D

Acq: 17 Sep 2015 21:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 51 Resp: 423870

Ion Ratio Lower Upper

51 100

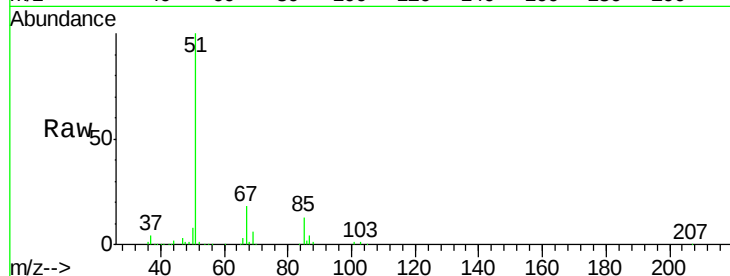
67 18.3 12.2 18.2#

Manual Integrations

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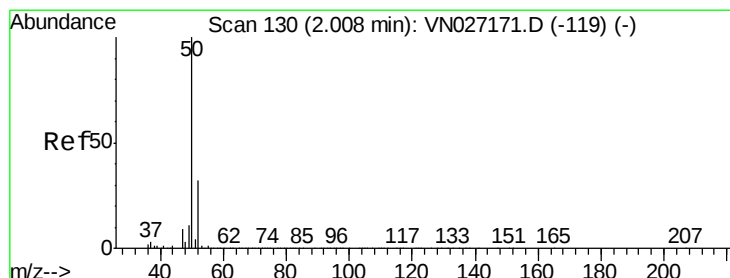
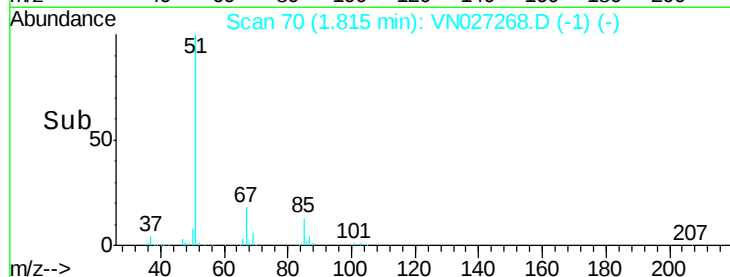
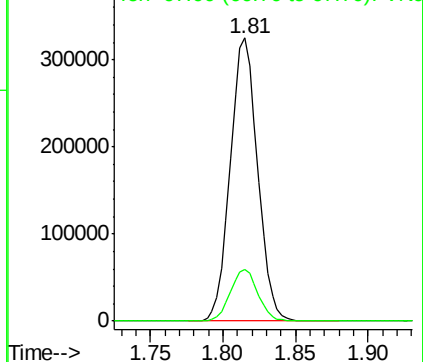
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Abundance Ion 51.00 (50.70 to 51.70): VNO

Ion 67.00 (66.70 to 67.70): VNO



#4

Chloromethane

Concen: 45.97 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027268.D

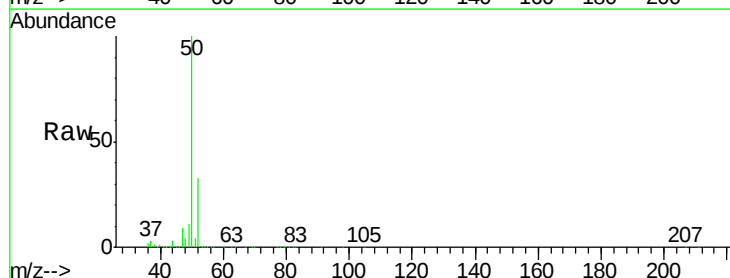
Acq: 17 Sep 2015 21:39

Tgt Ion: 50 Resp: 323813

Ion Ratio Lower Upper

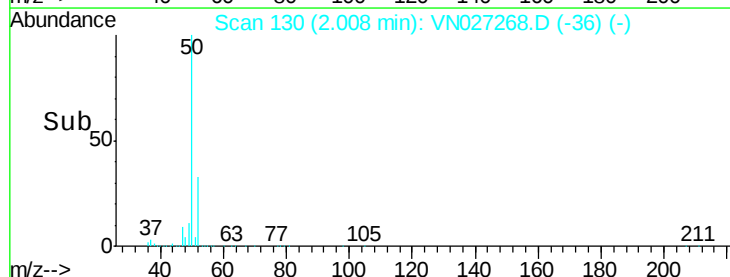
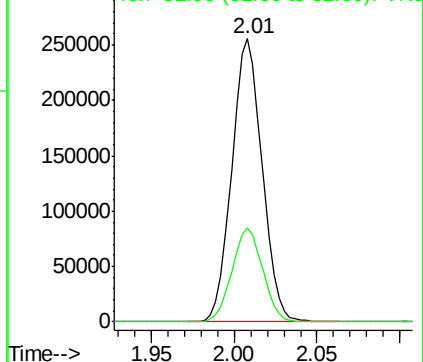
50 100

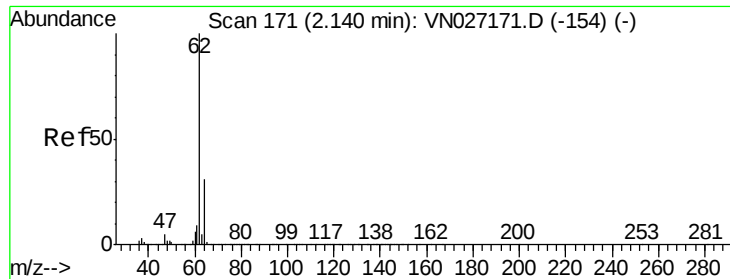
52 33.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Vinyl Chloride

Concen: 48.81 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

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Instrument :

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VSTDCCC050

Tot Ion: 62 Resp: 363267

Ion Ratio Lower Upper

62 100

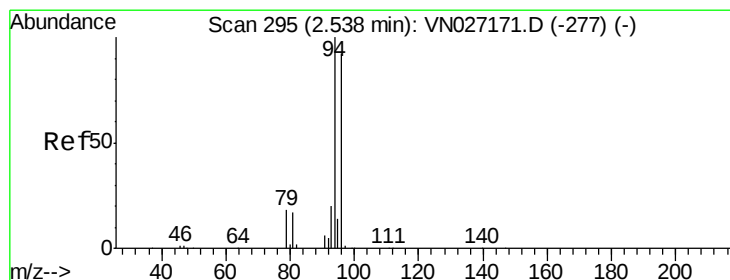
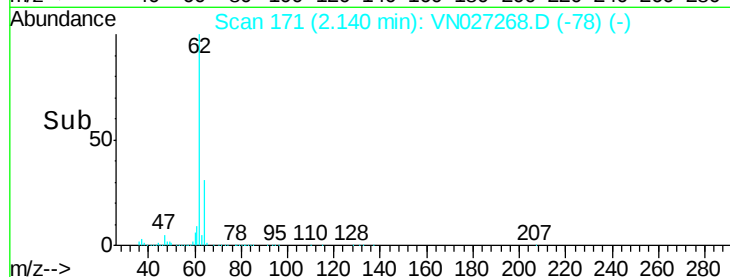
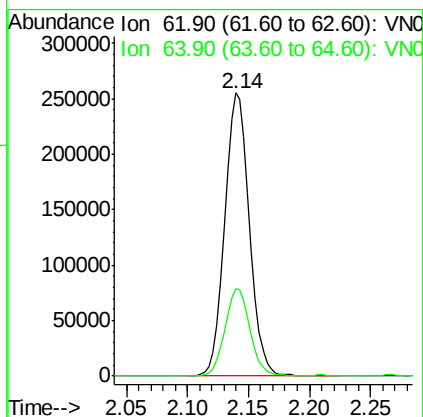
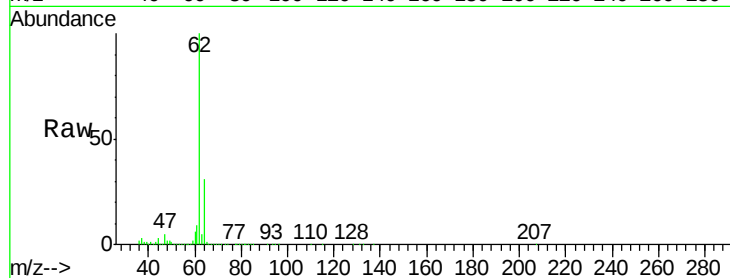
64 30.6 25.9 38.9

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#6

Bromomethane

Concen: 42.01 ug/l

RT: 2.54 min Scan# 295

Delta R.T. 0.00 min

Lab File: VN027268.D

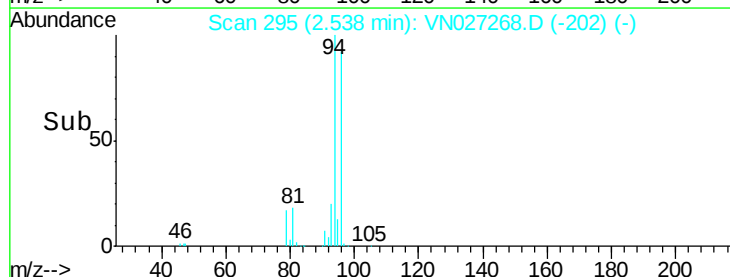
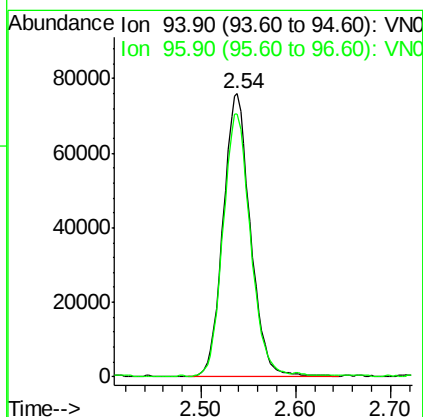
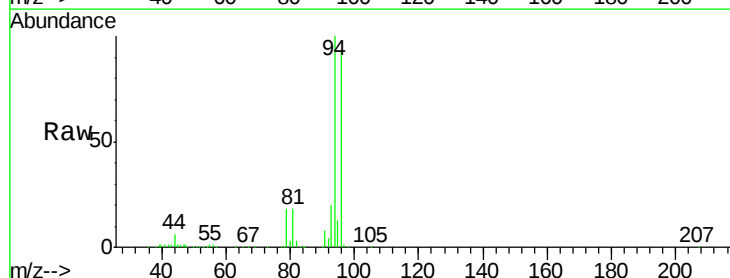
Acq: 17 Sep 2015 21:39

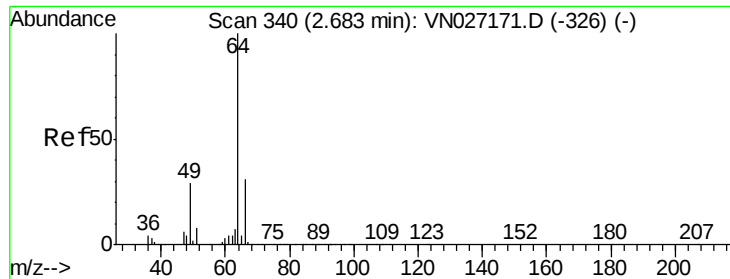
Tgt Ion: 94 Resp: 152518

Ion Ratio Lower Upper

94 100

96 92.6 73.4 110.2





#7

Chloroethane

Concen: 45.59 ug/l

RT: 2.68 min Scan# 340

Delta R.T. 0.00 min

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Tot Ion: 64 Resp: 230631

Ion Ratio Lower Upper

64 100

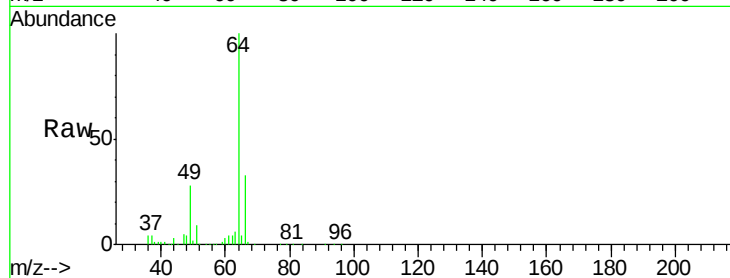
66 32.9 25.5 38.3

Manual Integrations

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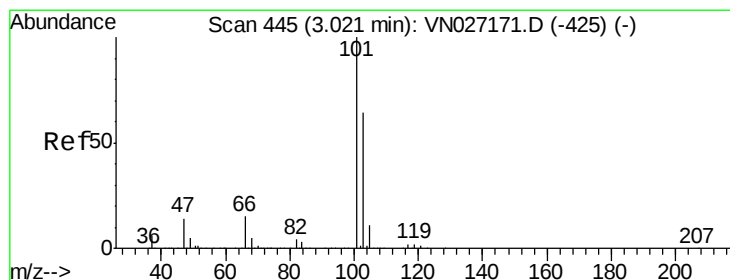
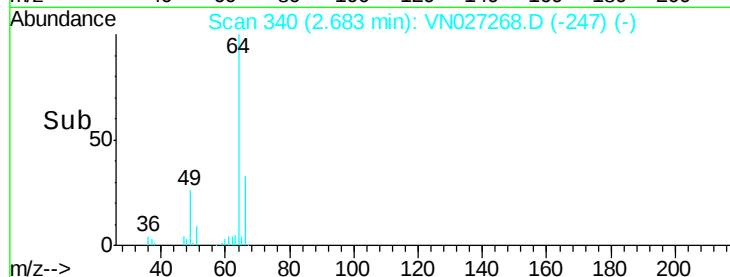
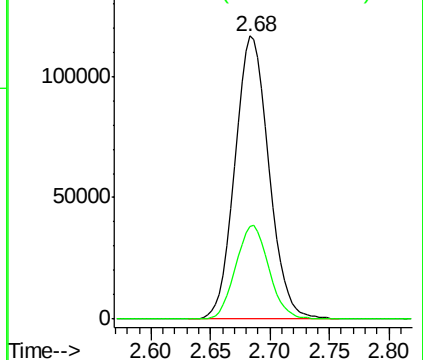
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Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



#8

Trichlorofluoromethane

Concen: 46.80 ug/l

RT: 3.02 min Scan# 446

Delta R.T. 0.00 min

Lab File: VN027268.D

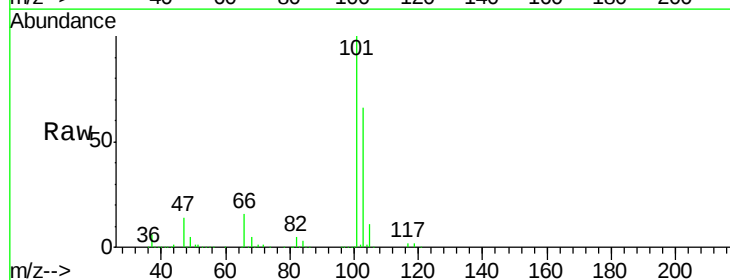
Acq: 17 Sep 2015 21:39

Tgt Ion:101 Resp: 526144

Ion Ratio Lower Upper

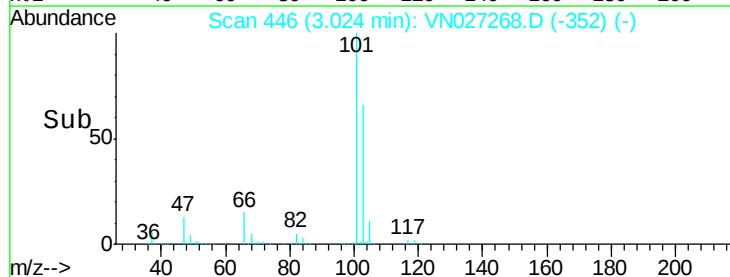
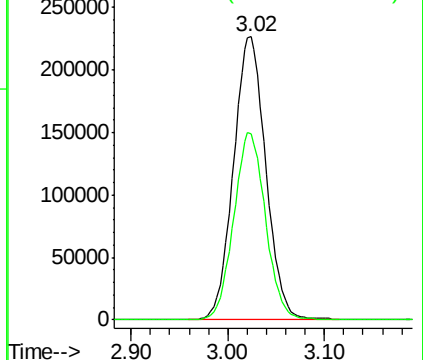
101 100

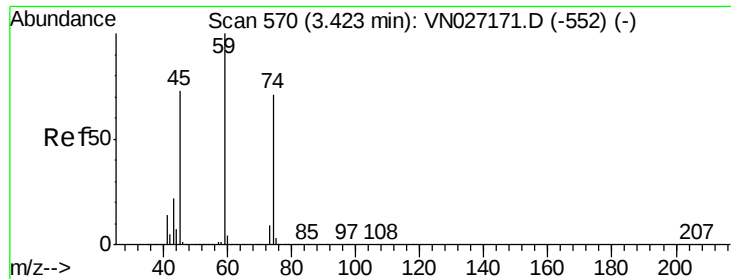
103 65.6 52.6 79.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#9

Diethyl Ether

Concen: 46.06 ug/l

RT: 3.42 min Scan# 570

Delta R.T. 0.00 min

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Tot Ion: 74 Resp: 238247

Ion Ratio Lower Upper

74 100

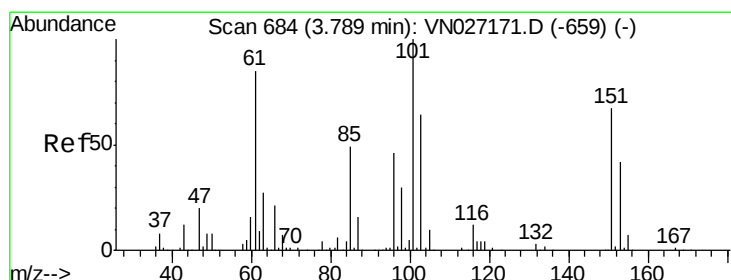
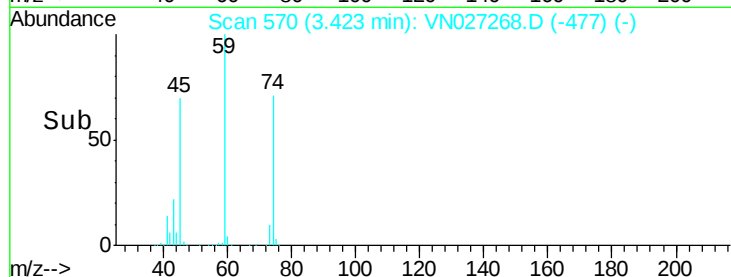
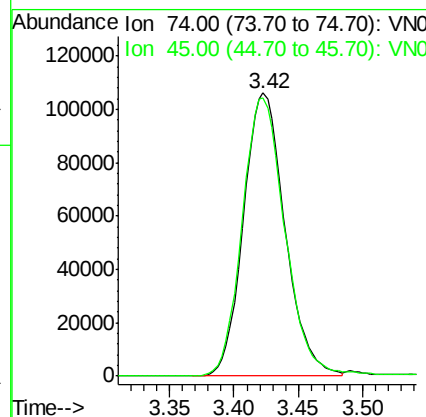
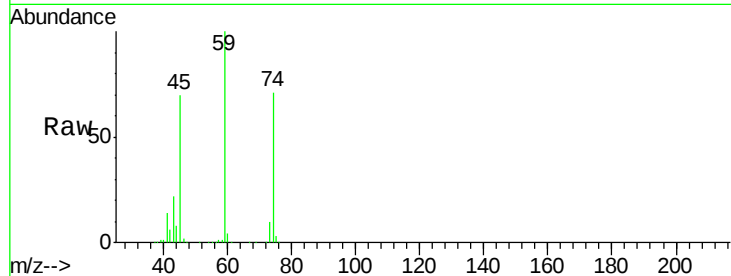
45 101.7 58.1 174.3

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#10

1,1,2-Trichlorotrifluoroethane

Concen: 46.80 ug/l

RT: 3.79 min Scan# 684

Delta R.T. 0.00 min

Lab File: VN027268.D

Acq: 17 Sep 2015 21:39

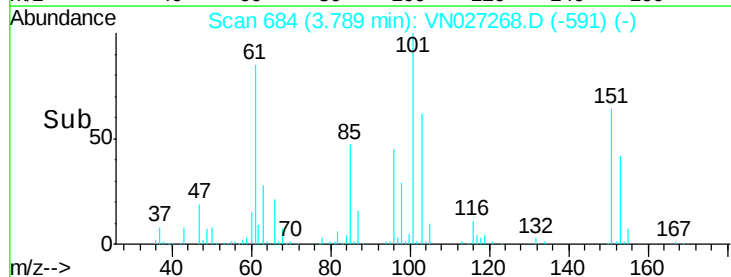
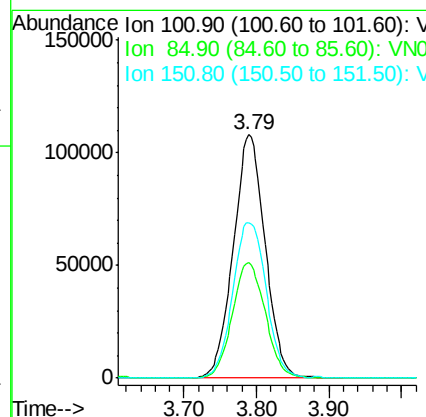
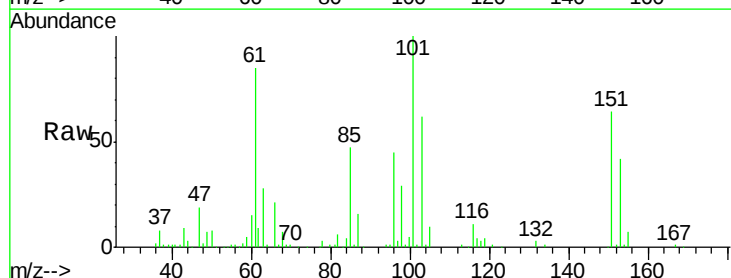
Tgt Ion: 101 Resp: 330427

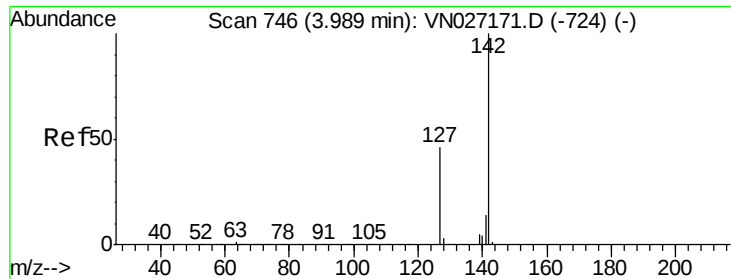
Ion Ratio Lower Upper

101 100

85 49.3 37.4 56.0

151 67.0 55.9 83.9





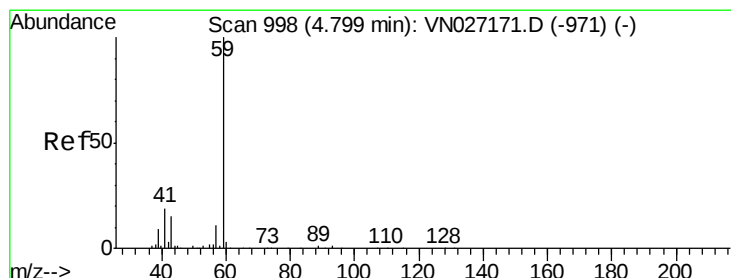
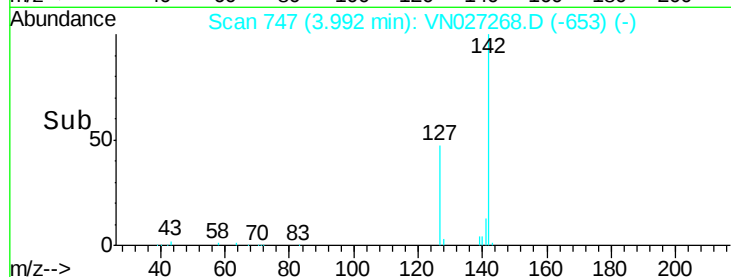
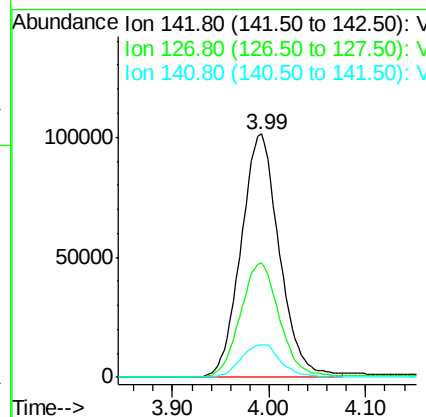
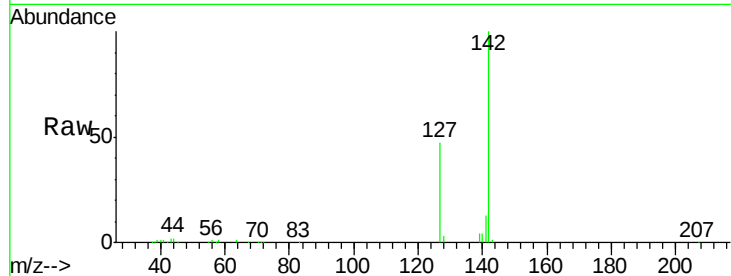
#11
Methvl Iodide
Concen: 40.78 ug/l
RT: 3.99 min Scan# 747
Delta R.T. 0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
142	100	279871		
127	48.0		32.3	48.5
141	13.9		11.2	16.8

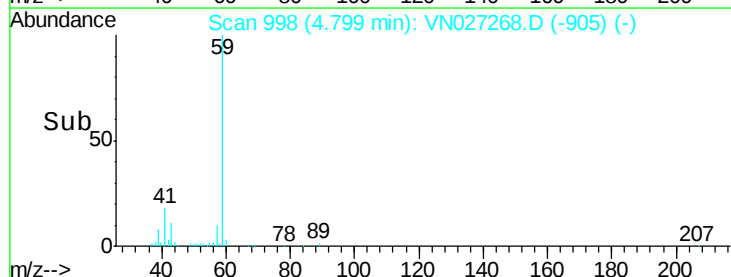
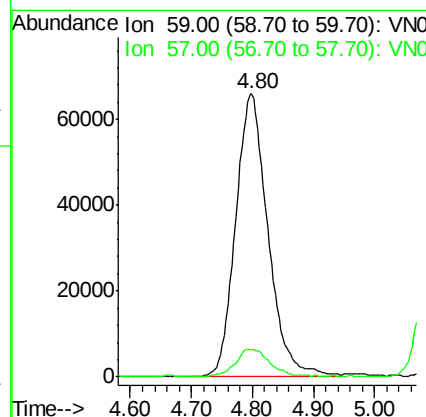
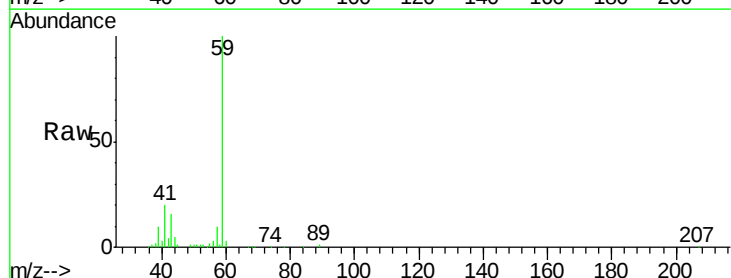
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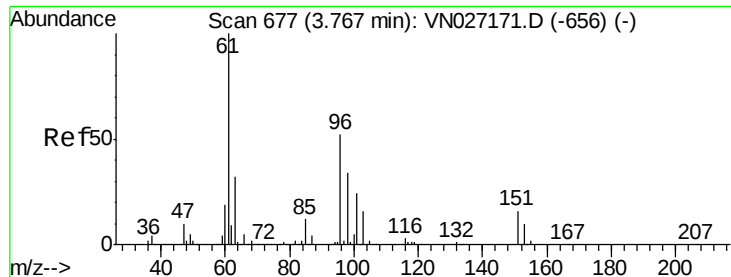
MMDadoda
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#12
Tert butyl alcohol
Concen: 230.79 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	243518		
57	10.4		7.6	11.4





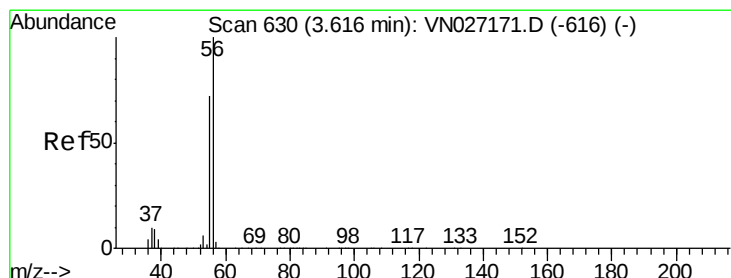
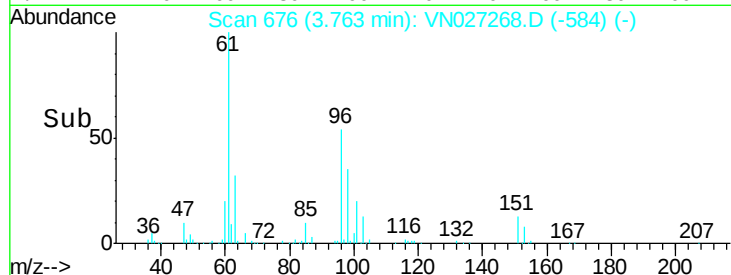
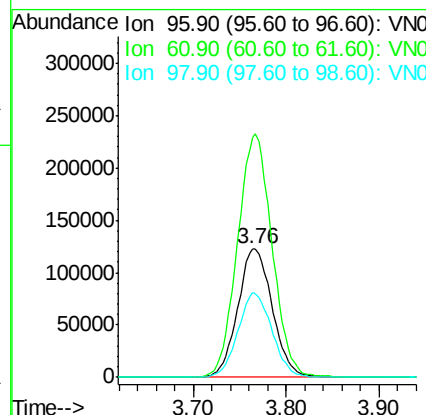
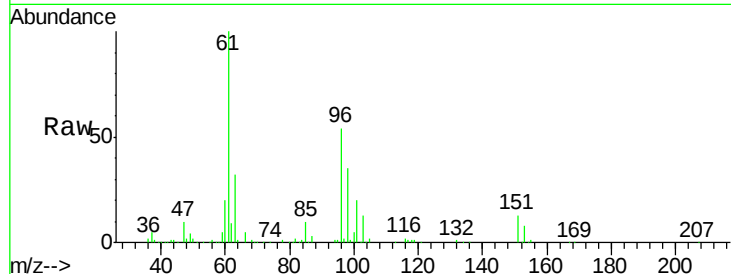
#13
 1,1-Dichloroethene
 Concen: 46.99 ug/l
 RT: 3.76 min Scan# 676
 Delta R.T. -0.00 min
 Lab File: VN027268.D
 Acq: 17 Sep 2015 21:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	185.9	143.8	215.8
98	65.5	50.3	75.5

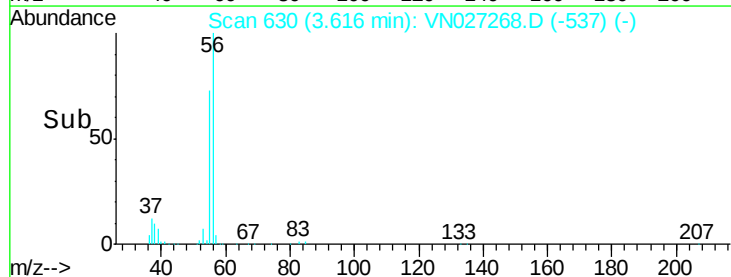
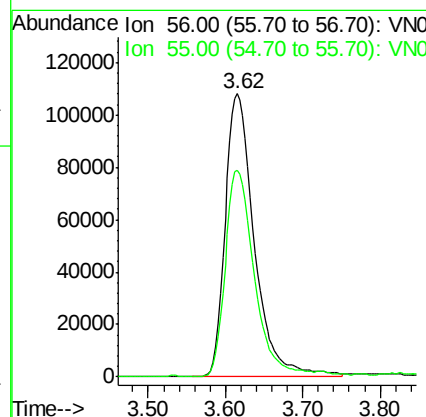
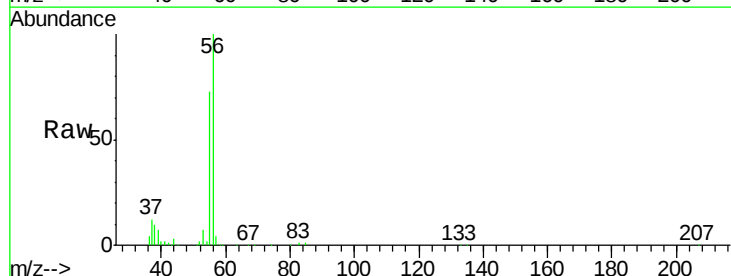
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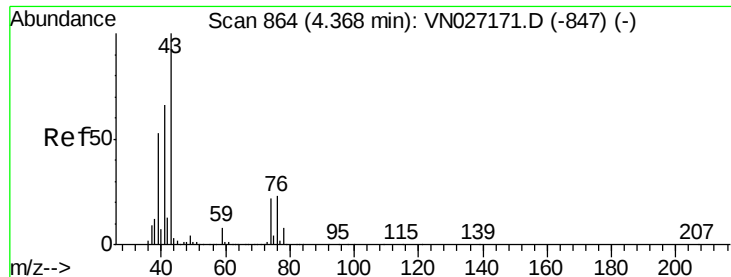
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#14
 Acrolein
 Concen: 228.90 ug/l
 RT: 3.62 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VN027268.D
 Acq: 17 Sep 2015 21:39

Tgt Ion	Ratio	Lower	Upper
56	100		
55	72.3	55.7	83.5





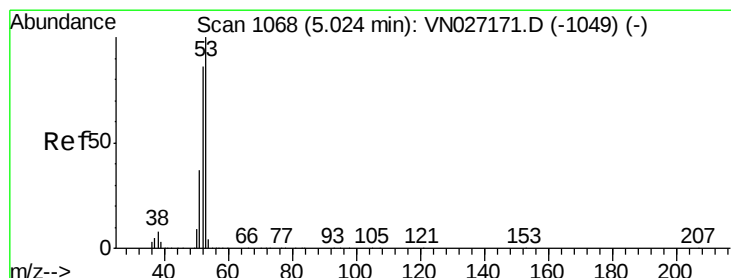
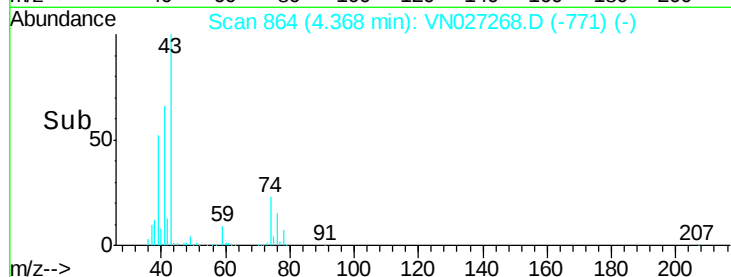
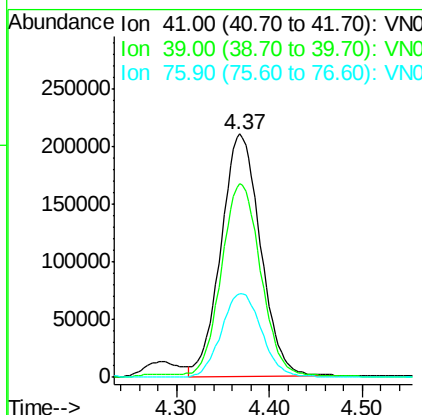
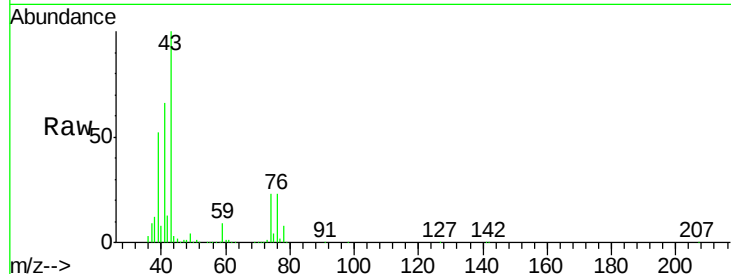
#15
Allvl chloride
Concen: 45.27 ug/l
RT: 4.37 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100	618334		
39	79.5	49.7	74.5#	
76	34.9	24.8	37.2	

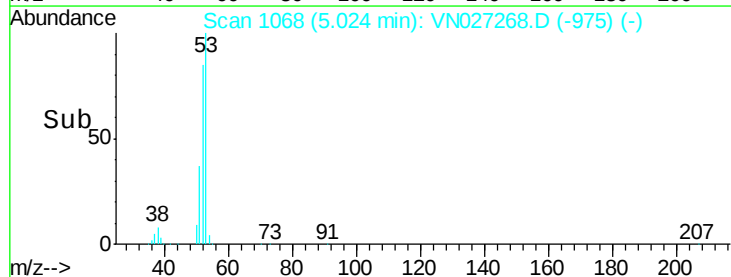
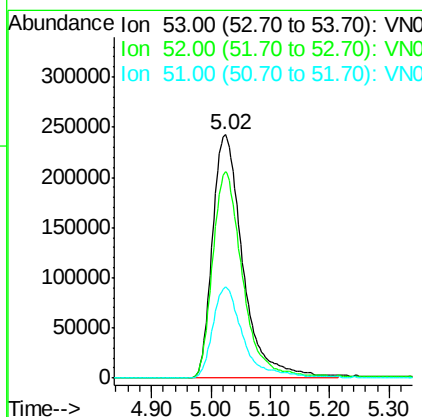
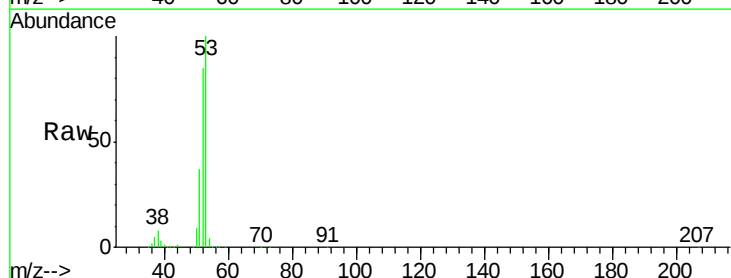
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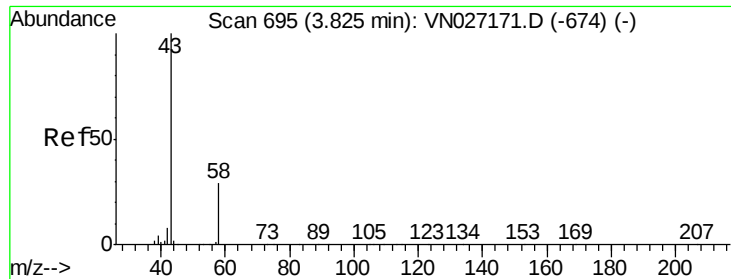
MMDadoda
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#16
Acrylonitrile
Concen: 250.19 ug/l
RT: 5.02 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
53	100	863265		
52	83.1	66.9	100.3	
51	37.6	27.4	41.0	





#17

Acetone

Concen: 237.86 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN027268.D

Acq: 17 Sep 2015 21:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 692005

Ion Ratio Lower Upper

43 100

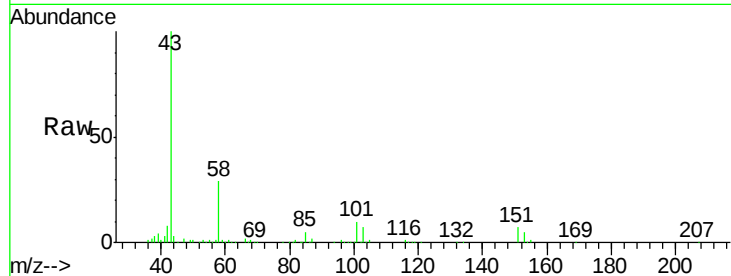
58 29.2 25.4 38.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

300000

250000

200000

150000

100000

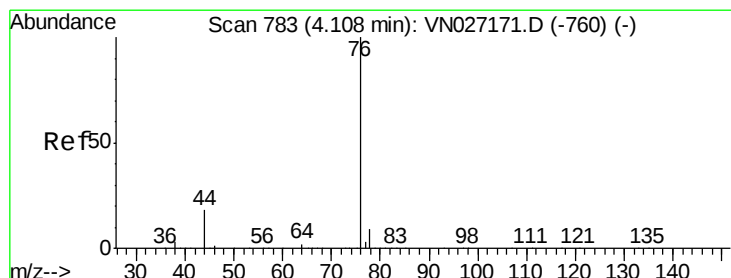
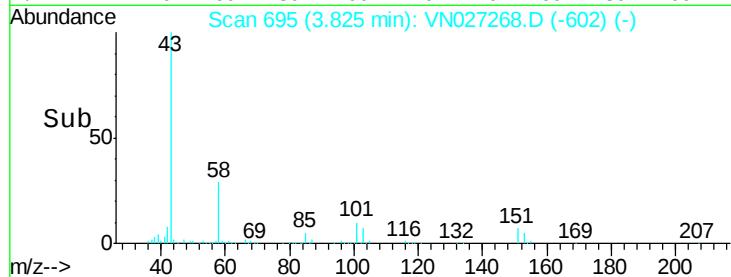
50000

0

Time-->

3.70 3.80 3.90 4.00

3.82



#18

Carbon Disulfide

Concen: 43.53 ug/l

RT: 4.11 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN027268.D

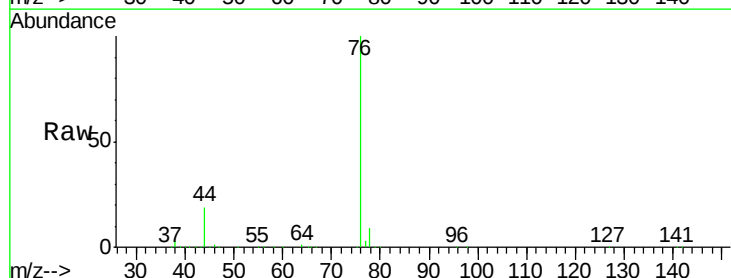
Acq: 17 Sep 2015 21:39

Tgt Ion: 76 Resp: 958523

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

400000

300000

200000

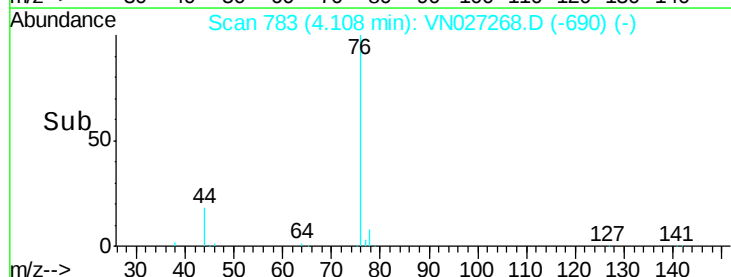
100000

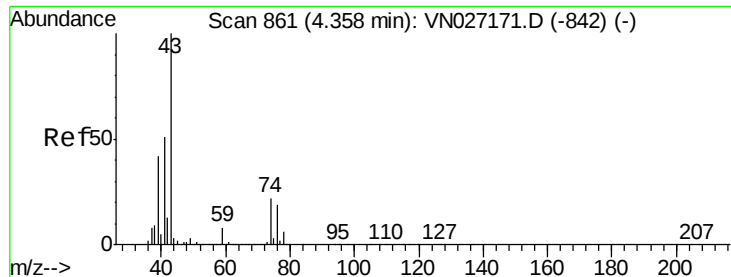
0

Time-->

4.00 4.10 4.20 4.30

4.11





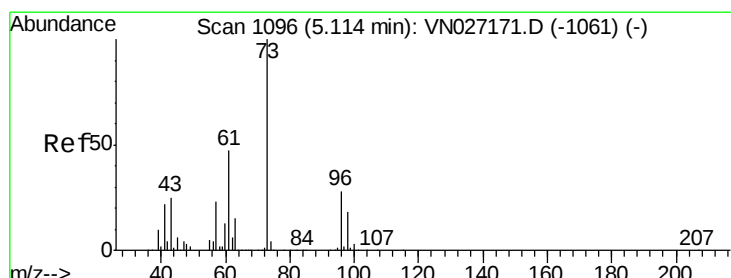
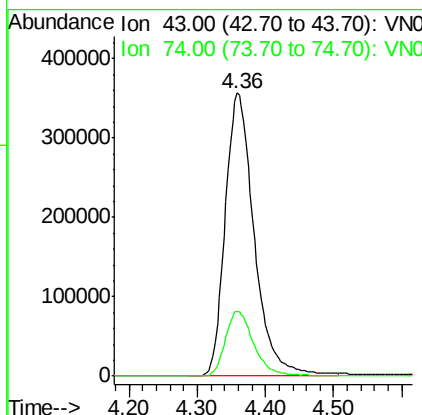
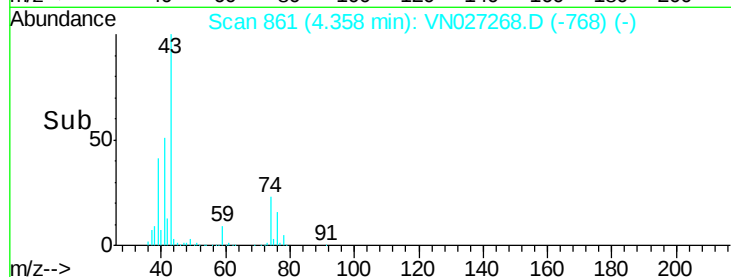
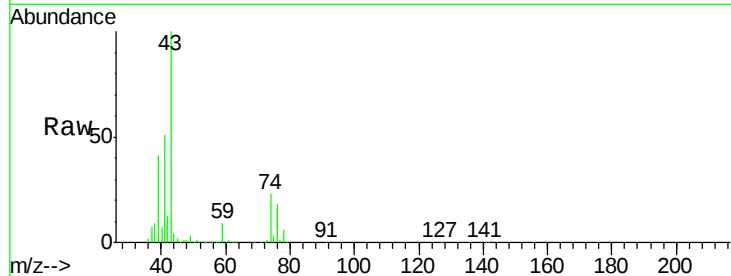
#19
Methyl Acetate
Concen: 49.62 ug/l
RT: 4.36 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 1045559
Ion Ratio Lower Upper
43 100
74 22.5 16.2 24.2

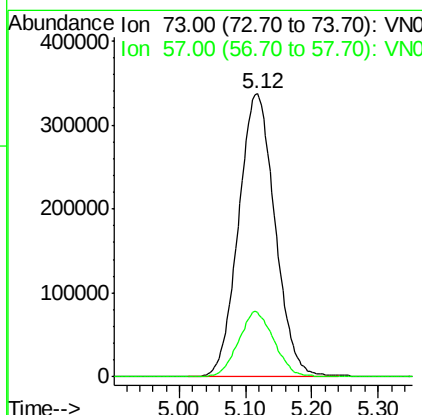
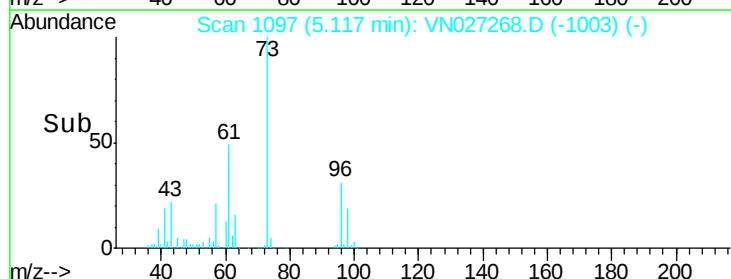
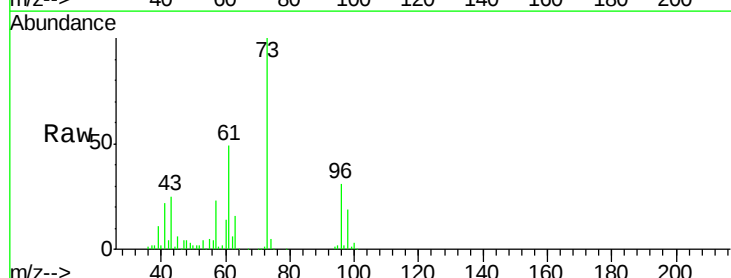
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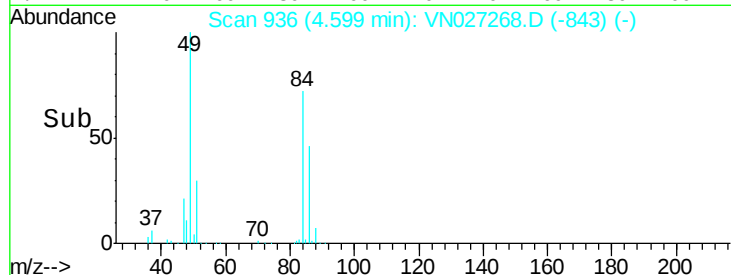
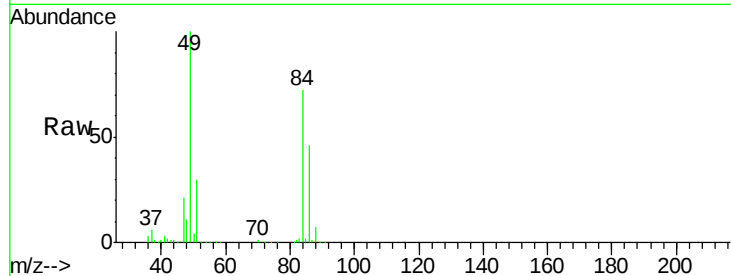
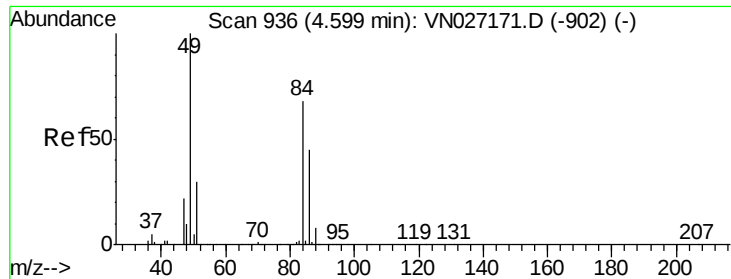
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#20
Methyl tert-butyl Ether
Concen: 47.45 ug/l
RT: 5.12 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

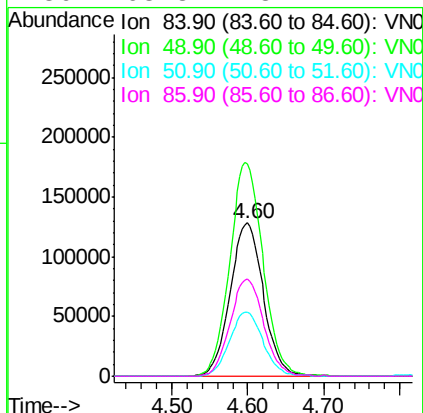
Tgt Ion: 73 Resp: 1288094
Ion Ratio Lower Upper
73 100
57 23.0 19.8 29.6





#21
Methvlene Chloride
Concen: 47.93 ug/l
RT: 4.60 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

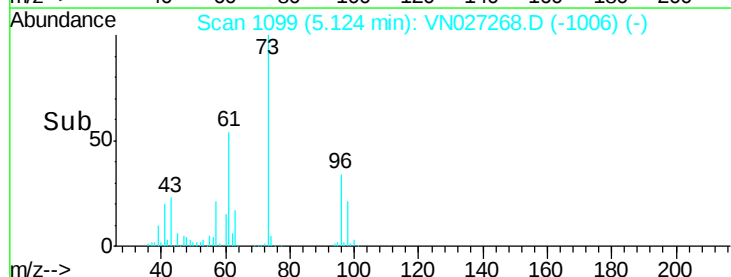
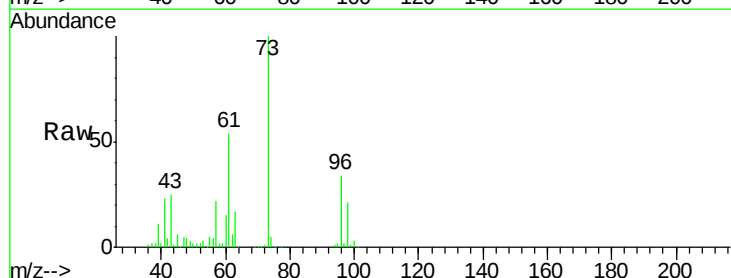
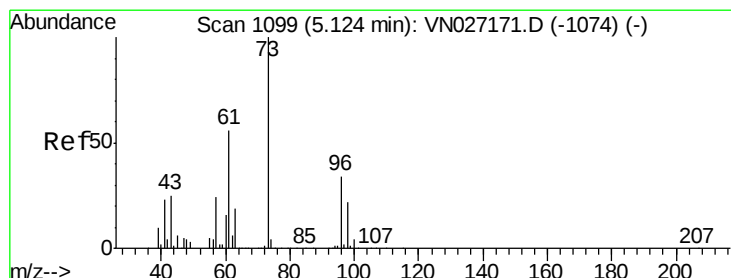
Tot Ion	Ion	Ratio	Resp	Lower	Upper
84	100				
49	138.7	112.3	168.5		
51	41.6	33.8	50.8		
86	63.3	48.2	72.4		



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

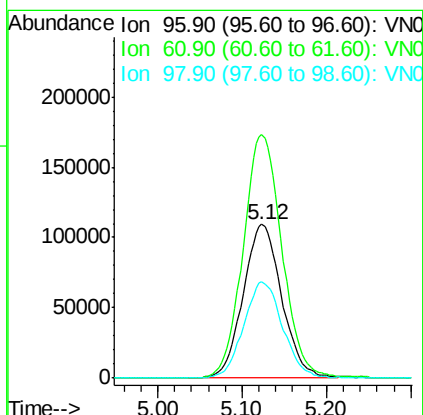
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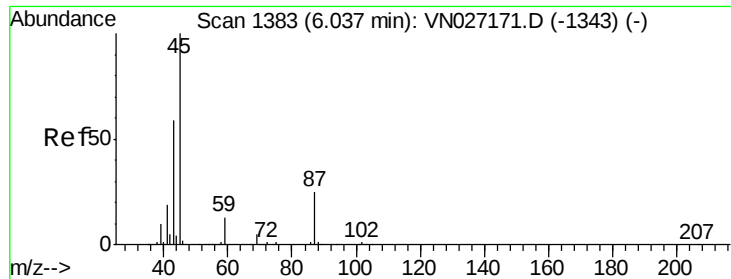
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 47.48 ug/l
RT: 5.12 min Scan# 1099
Delta R.T. 0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	158.4	126.6	189.8		
98	62.8	47.4	71.2		





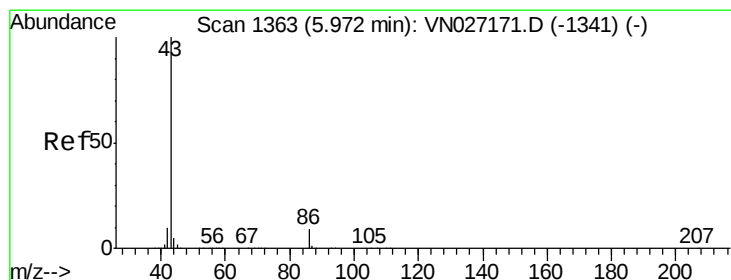
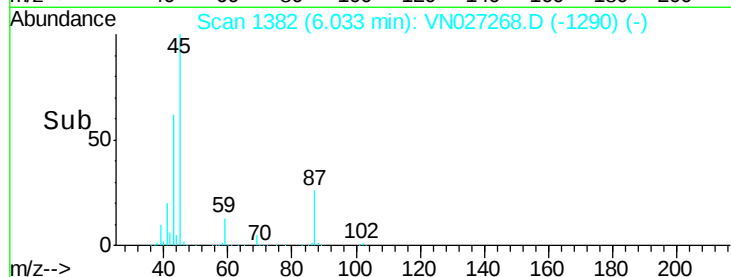
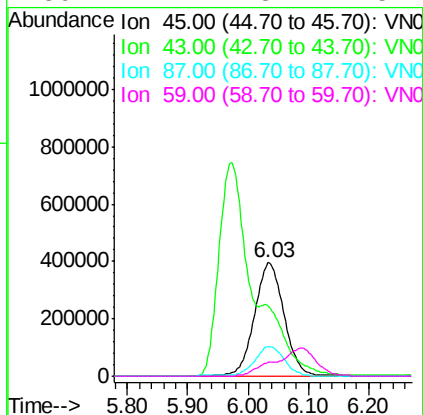
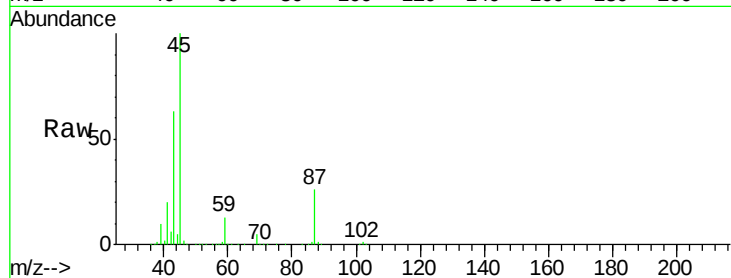
#23
Diisopropyl ether
Concen: 47.42 ug/l
RT: 6.03 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
45	100			
43	62.4	41.0	61.6#	
87	26.2	17.5	26.3	
59	12.4	8.7	13.1	

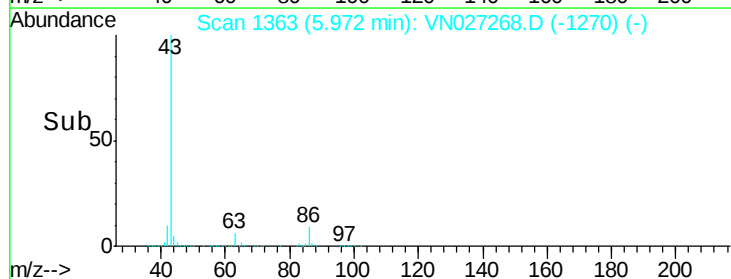
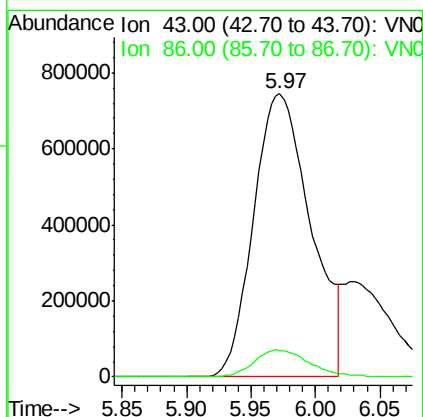
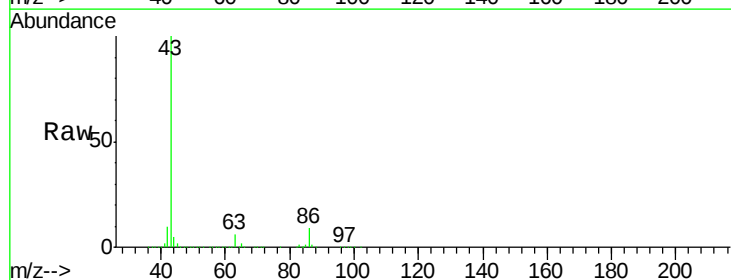
Manual Integrations
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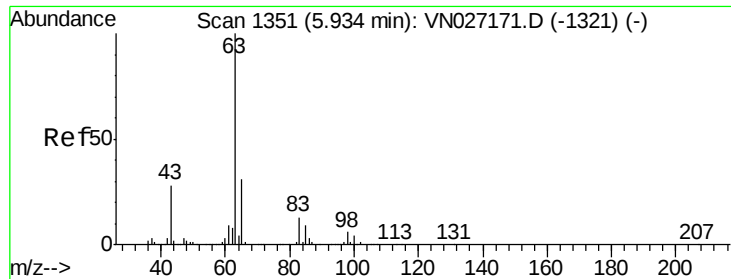
MMDadoda
9/18/2015 12:23:52 PM



#24
Vinyl Acetate
Concen: 242.44 ug/l
RT: 5.97 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
86	9.4	6.9	10.3	





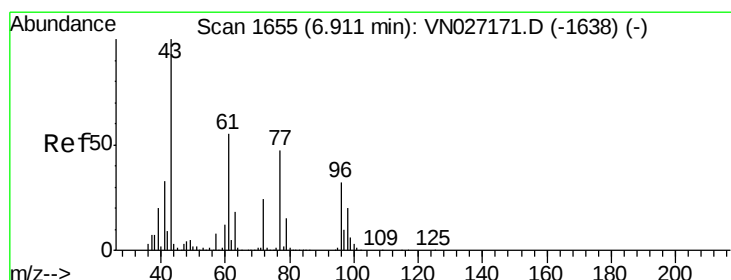
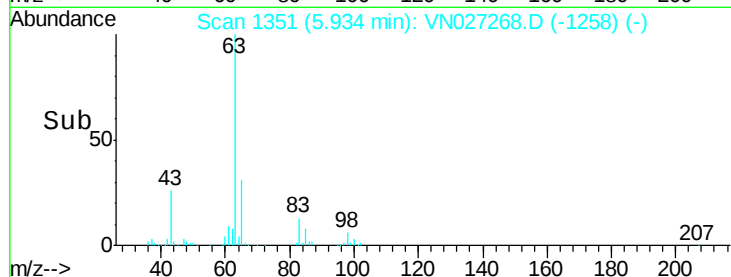
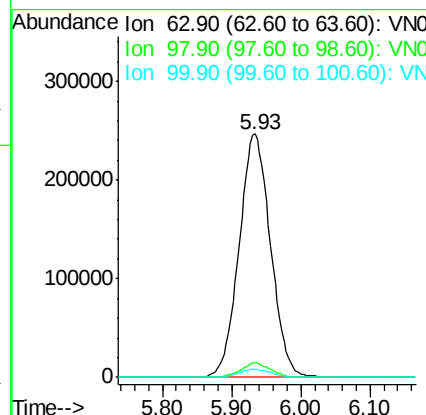
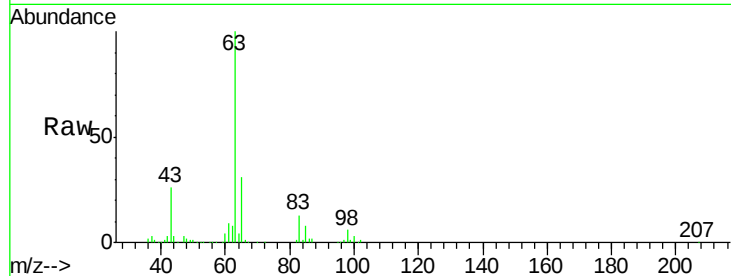
#25
 1,1-Dichloroethane
 Concen: 46.73 ug/l
 RT: 5.93 min Scan# 1351
 Delta R.T. 0.00 min
 Lab File: VN027268.D
 Acq: 17 Sep 2015 21:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	5.9	2.8	8.3
100	3.2	1.7	5.0

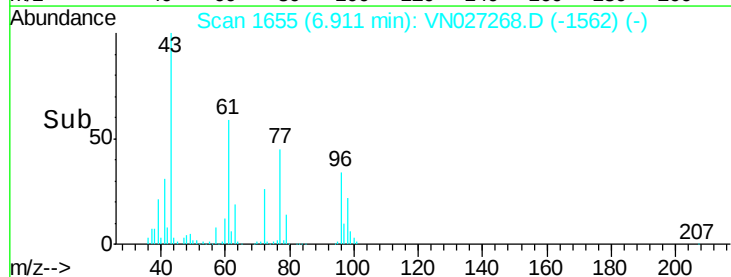
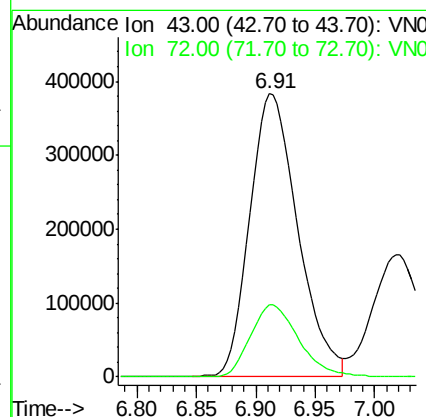
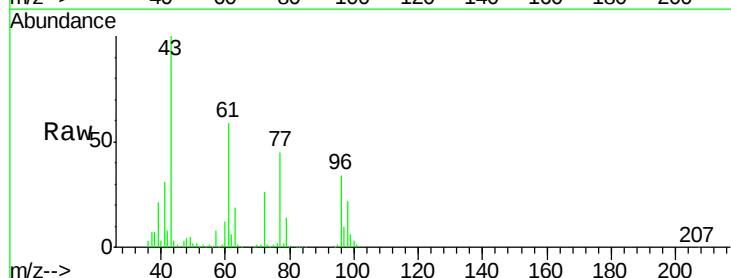
Manual Integrations
 APPROVED

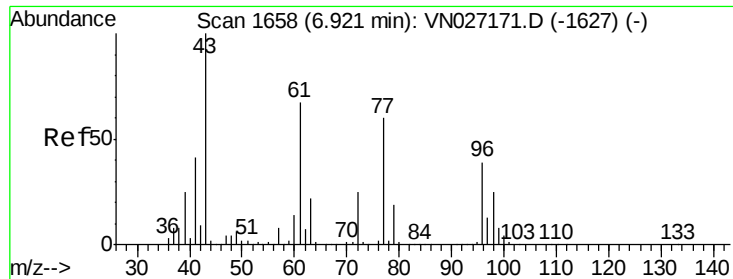
MMDadoda
 9/18/2015 12:23:52 PM



#26
 2-Butanone
 Concen: 243.04 ug/l
 RT: 6.91 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VN027268.D
 Acq: 17 Sep 2015 21:39

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
72	25.7	18.8	28.2





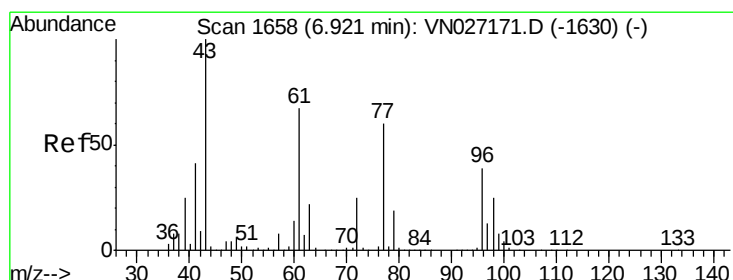
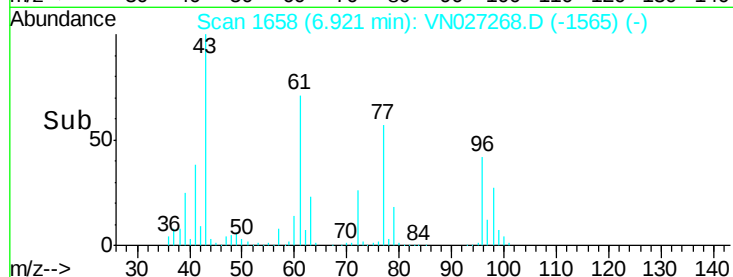
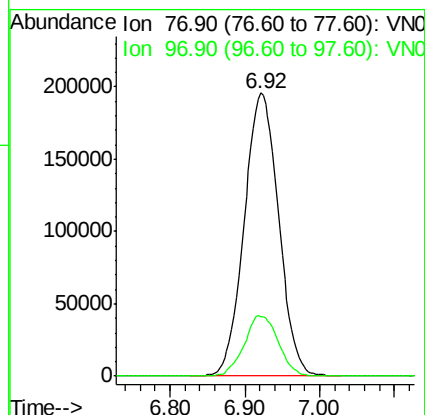
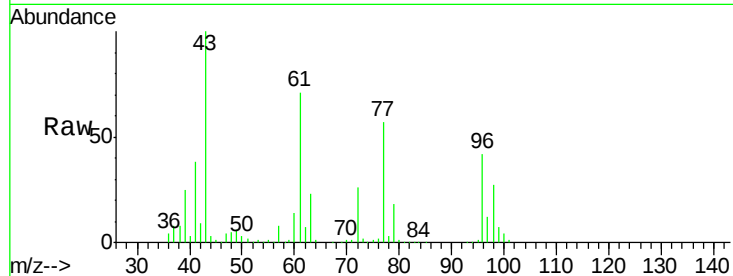
#27
 2,2-Dichloropropane
 Concen: 43.39 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027268.D
 Acq: 17 Sep 2015 21:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
77	100		
97	21.2	11.8	35.3

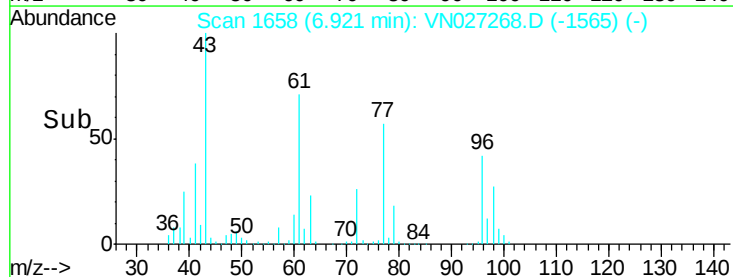
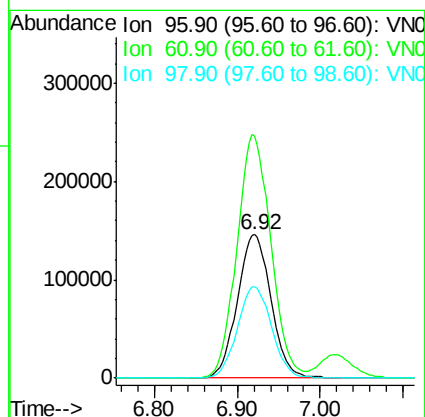
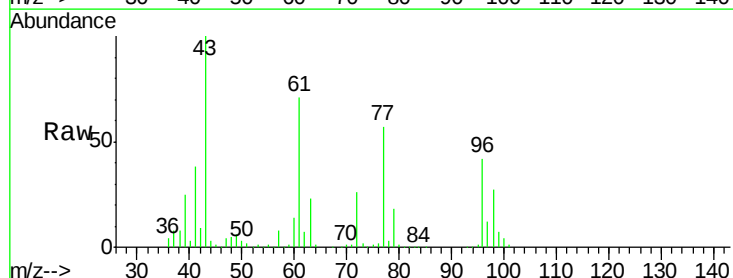
Manual Integrations
 APPROVED

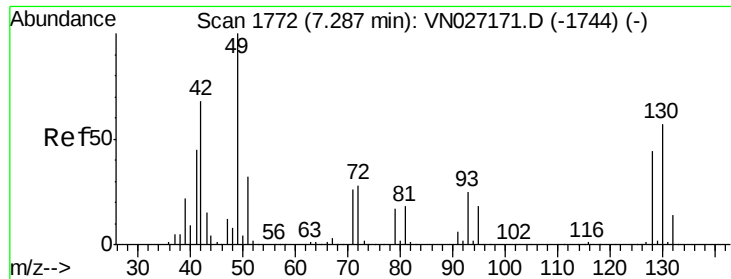
MMDadoda
 9/18/2015 12:23:52 PM



#28
 cis-1,2-Dichloroethene
 Concen: 49.13 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027268.D
 Acq: 17 Sep 2015 21:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.0	0.0	329.2
98	64.9	0.0	126.0





#29

Bromochloromethane

Concen: 46.98 ug/l

RT: 7.29 min Scan# 1772

Delta R.T. 0.00 min

Lab File: VN027268.D

Acq: 17 Sep 2015 21:39

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 49 Resp: 303567
Ion Ratio Lower Upper

49 100

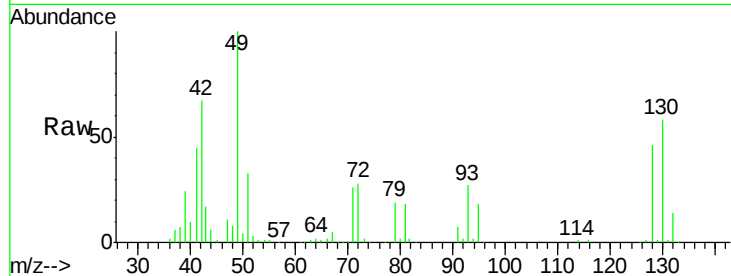
129 1.5 0.0 3.2

130 56.4 43.2 64.8

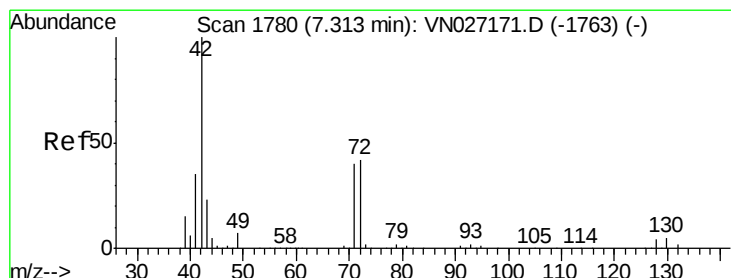
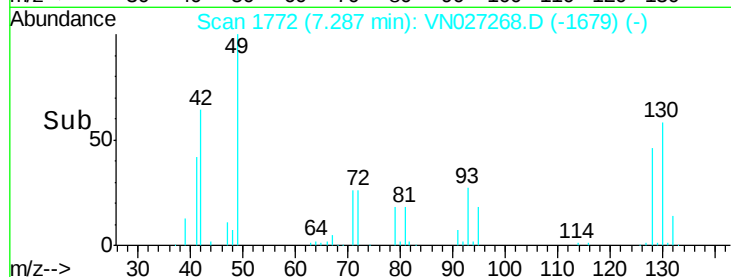
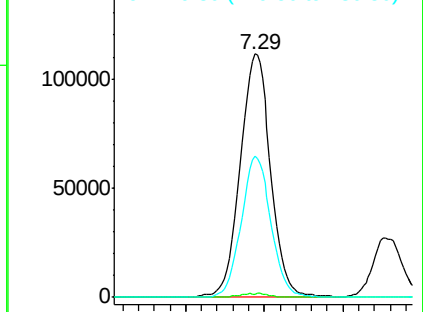
Manual Integrations
APPROVED

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Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V



#30

Tetrahydrofuran

Concen: 229.97 ug/l

RT: 7.31 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VN027268.D

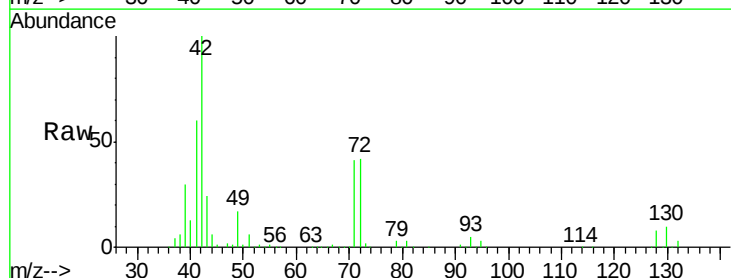
Acq: 17 Sep 2015 21:39

Tgt Ion: 42 Resp: 694334
Ion Ratio Lower Upper

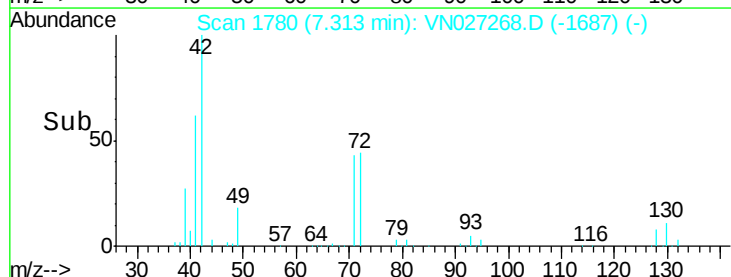
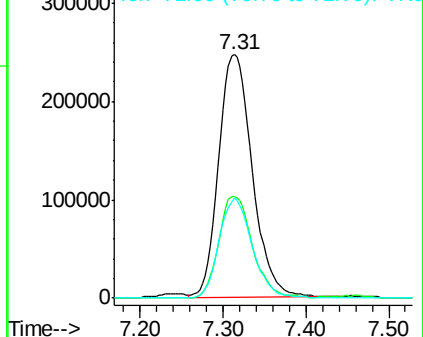
42 100

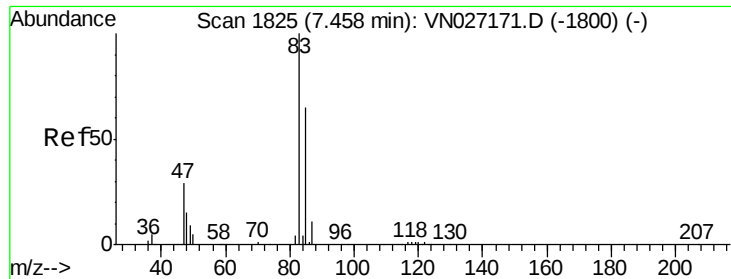
72 42.3 29.9 44.9

71 40.9 28.3 42.5



Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0





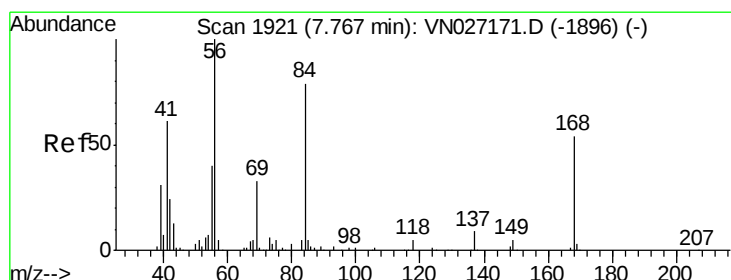
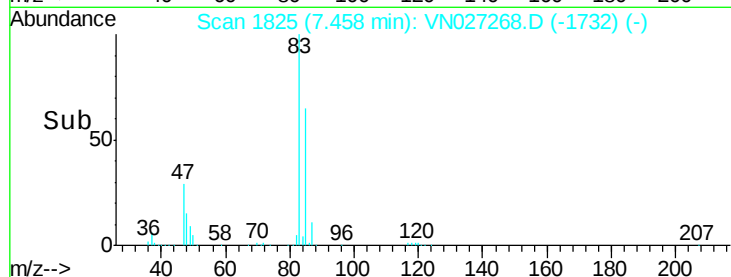
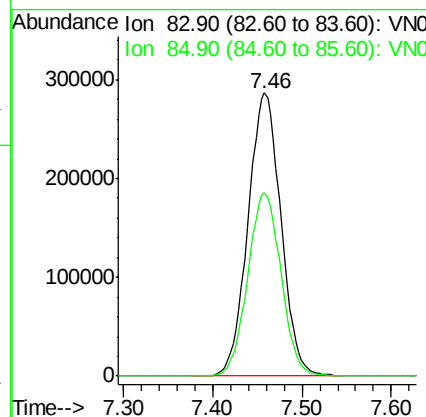
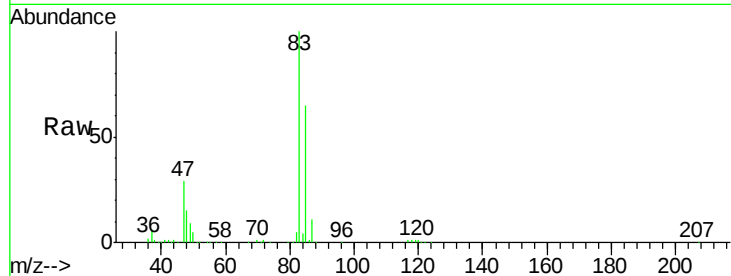
#31
Chloroform
Concen: 48.83 ug/l
RT: 7.46 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	734520
Ion Ratio	100	Lower	Upper
85	65.0	51.1	76.7

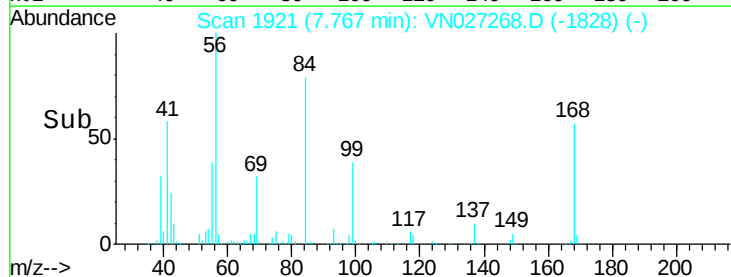
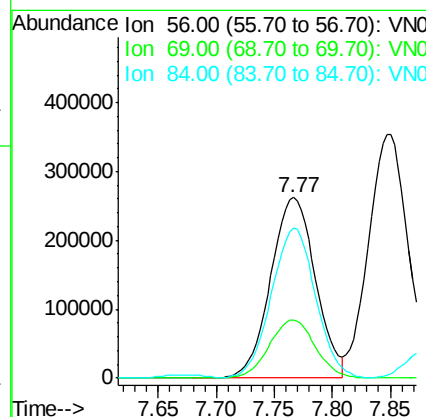
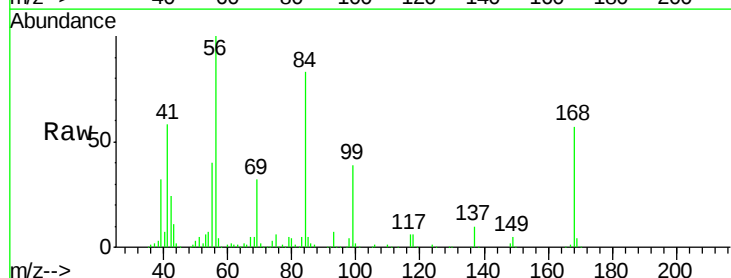
Manual Integrations
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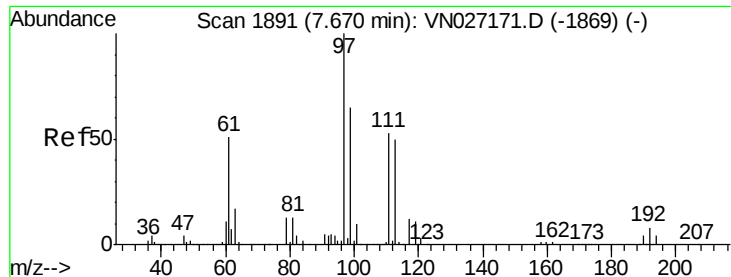
MMDadoda
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#32
Cyclohexane
Concen: 47.60 ug/l
RT: 7.77 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

Tgt Ion	56	Resp	706062
Ion Ratio	100	Lower	Upper
69	32.1	23.0	34.4
84	81.5	57.8	86.8





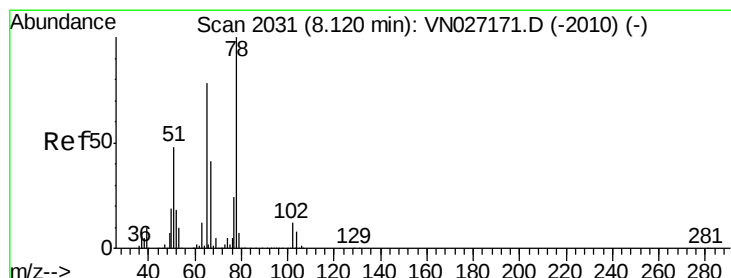
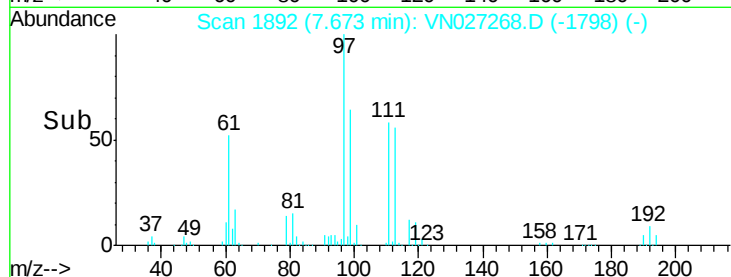
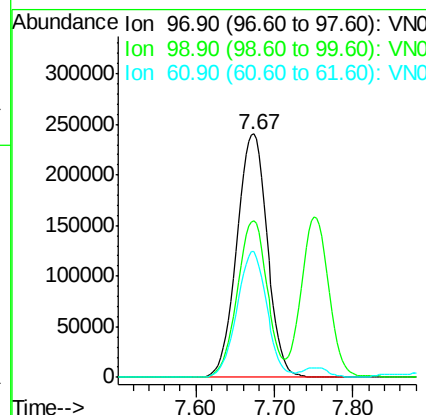
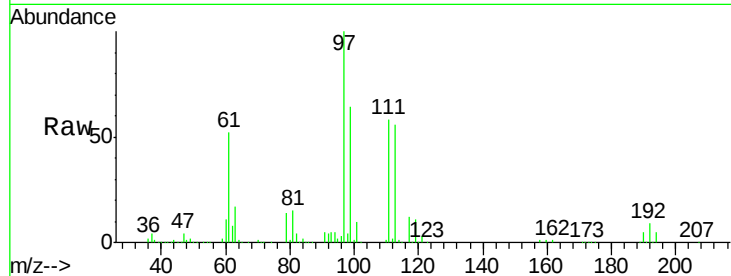
#33
 1,1,1-Trichloroethane
 Concen: 48.48 ug/l
 RT: 7.67 min Scan# 1892
 Delta R.T. 0.00 min
 Lab File: VN027268.D
 Acq: 17 Sep 2015 21:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.1	75.1
61	50.8	44.0	66.0

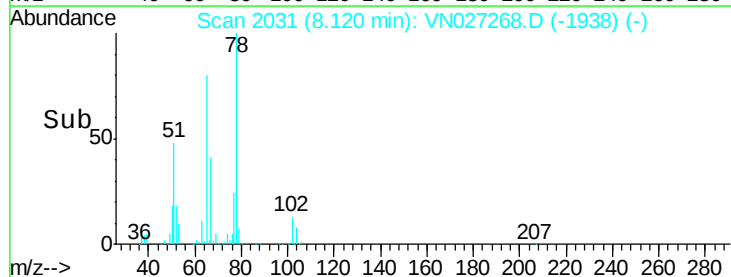
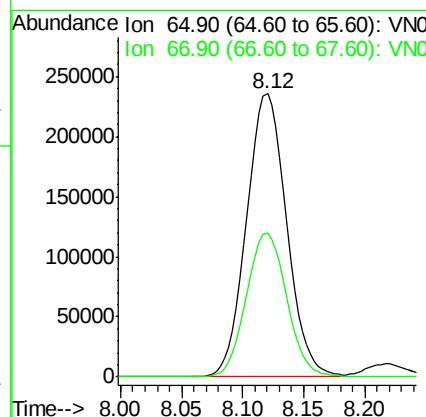
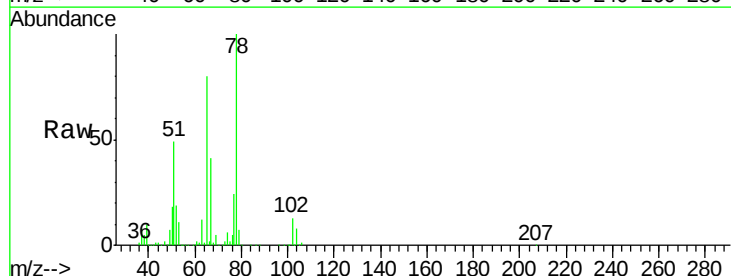
Manual Integrations
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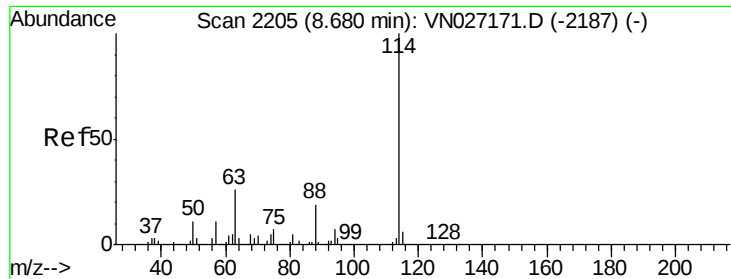
MMDadoda
 9/18/2015 12:23:52 PM



#34
 1,2-Dichloroethane-d4
 Concen: 49.71 ug/l
 RT: 8.12 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VN027268.D
 Acq: 17 Sep 2015 21:39

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	110.6





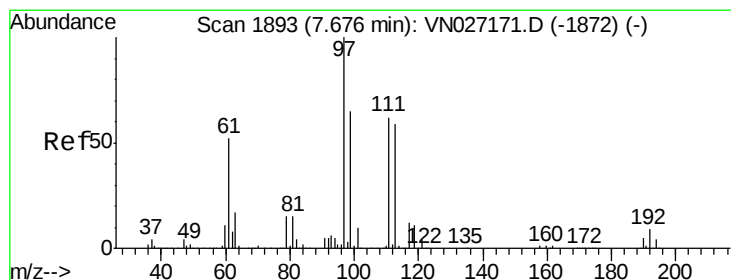
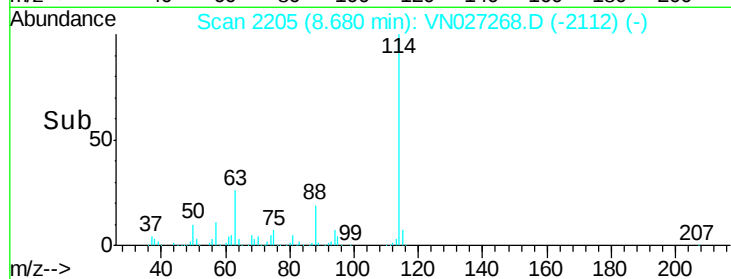
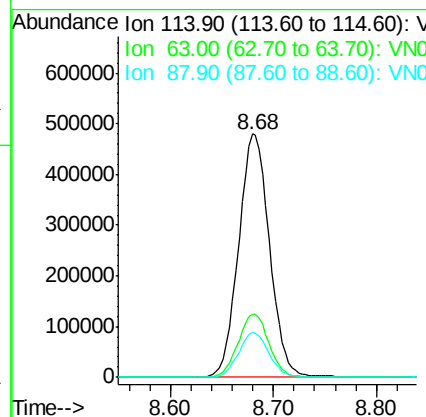
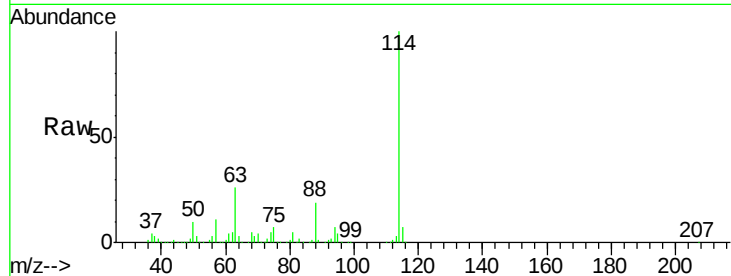
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027268.D
 Acq: 17 Sep 2015 21:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.1	0.0	48.8
88	18.6	0.0	32.2

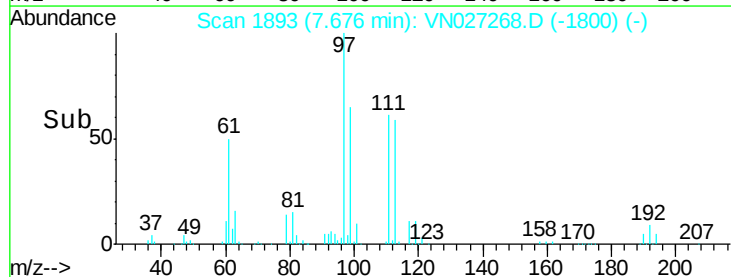
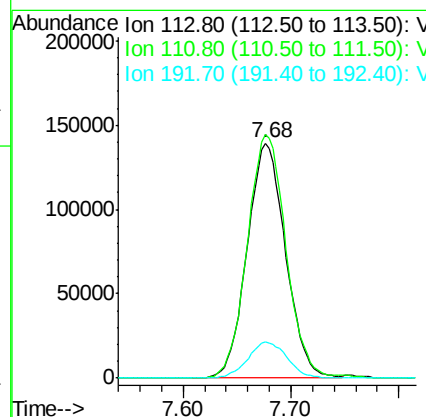
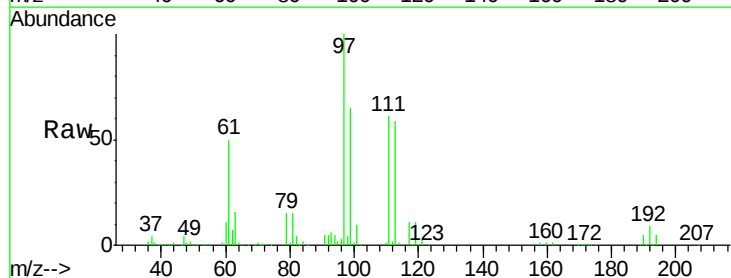
Manual Integrations
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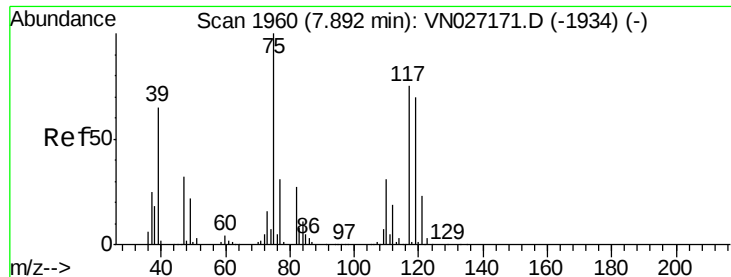
MMDadoda
 9/18/2015 12:23:52 PM



#36
 Dibromofluoromethane
 Concen: 49.64 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027268.D
 Acq: 17 Sep 2015 21:39

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.0	83.0	124.4
192	15.8	14.1	21.1





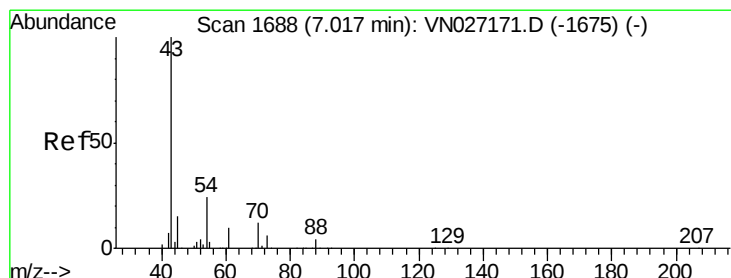
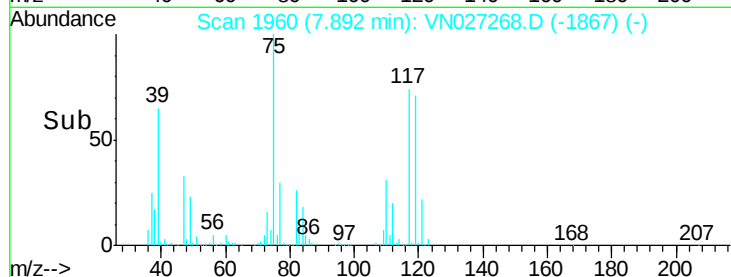
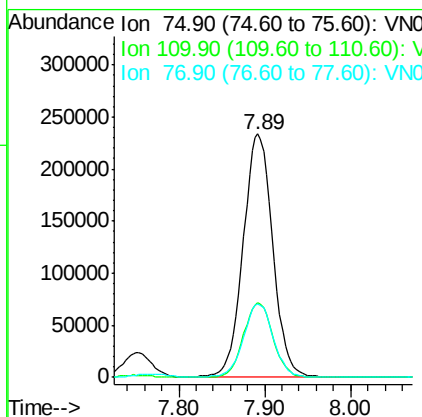
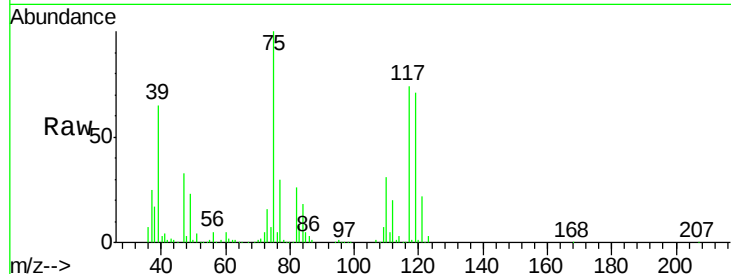
#37
 1,1-Dichloropropene
 Concen: 47.61 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VN027268.D
 Acq: 17 Sep 2015 21:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	30.7	15.9	47.7	
77	30.2	24.9	37.3	

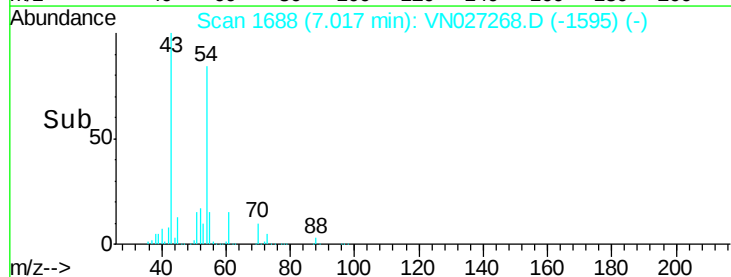
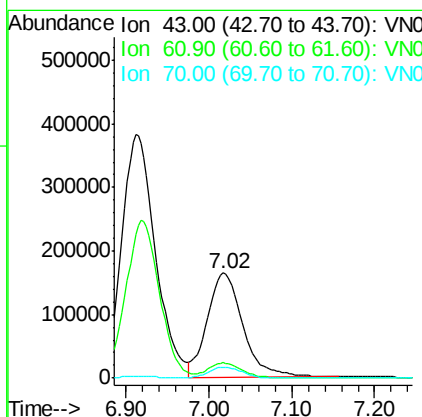
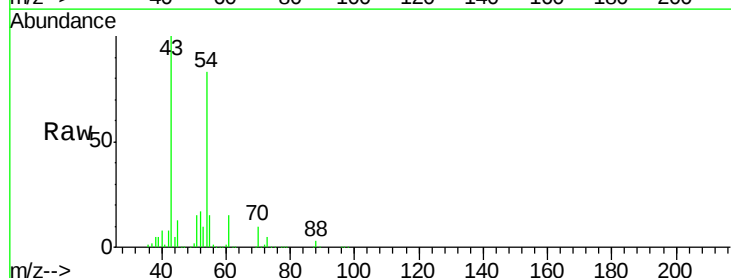
Manual Integrations
 APPROVED

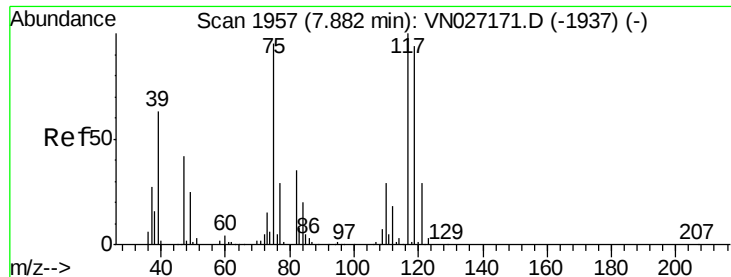
MMDadoda
 9/18/2015 12:23:52 PM



#38
 Ethyl Acetate
 Concen: 49.17 ug/l
 RT: 7.02 min Scan# 1688
 Delta R.T. 0.00 min
 Lab File: VN027268.D
 Acq: 17 Sep 2015 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.6	10.2	15.4	
70	9.6	7.4	11.0	





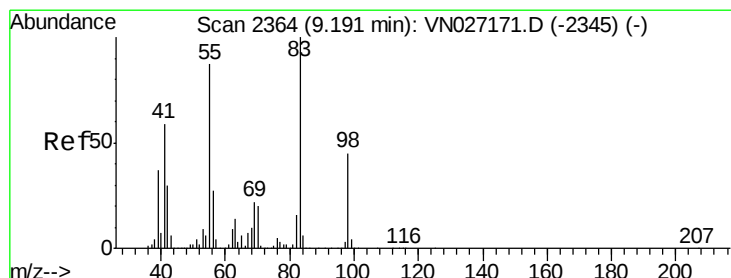
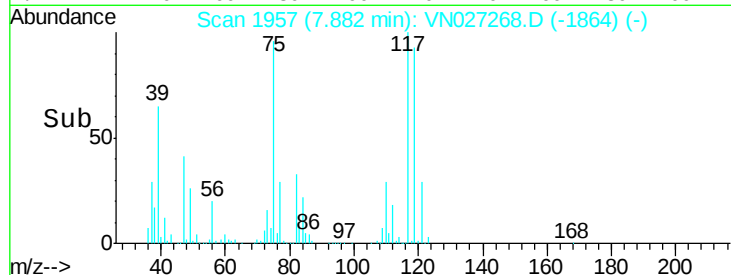
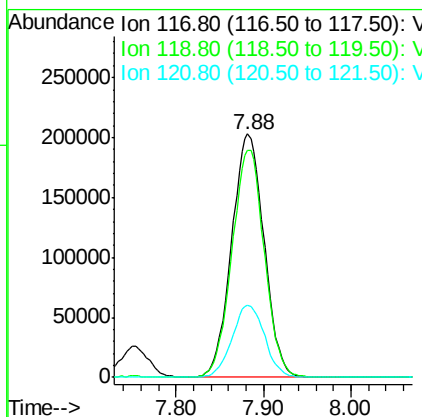
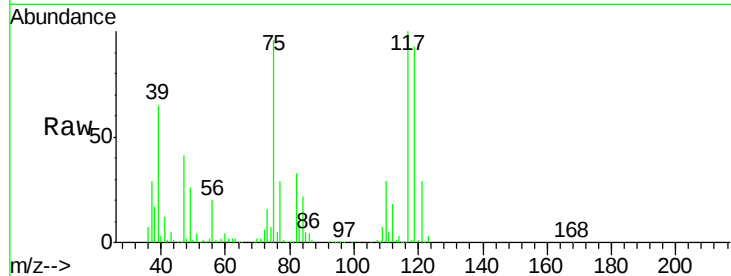
#39
Carbon Tetrachloride
Concen: 47.30 ug/l
RT: 7.88 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.4	75.3	112.9
121	29.5	23.8	35.8

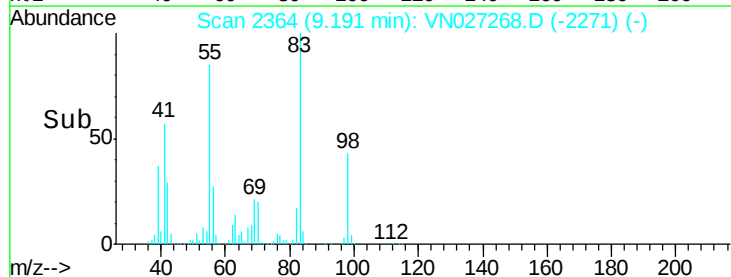
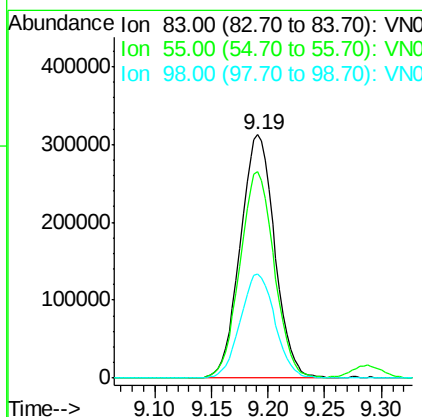
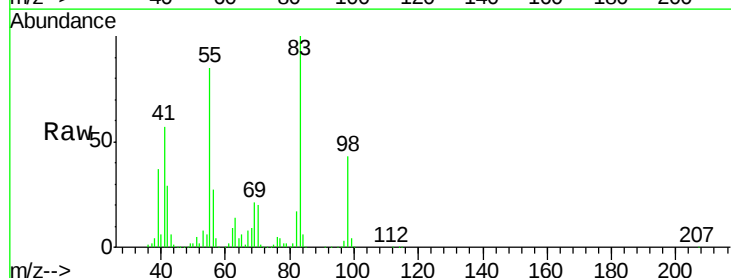
Manual Integrations
APPROVED

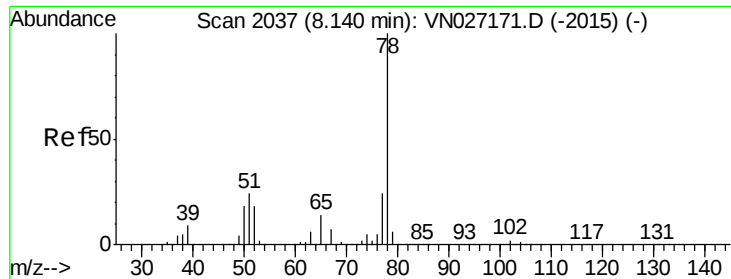
MMDadoda
9/18/2015 12:23:52 PM



#40
Methylcyclohexane
Concen: 46.35 ug/l
RT: 9.19 min Scan# 2364
Delta R.T. 0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.8	69.8	104.8
98	42.5	34.3	51.5





#41

Benzene

Concen: 47.92 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VN027268.D

Acq: 17 Sep 2015 21:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 78 Resp: 1638589

Ion Ratio Lower Upper

78 100

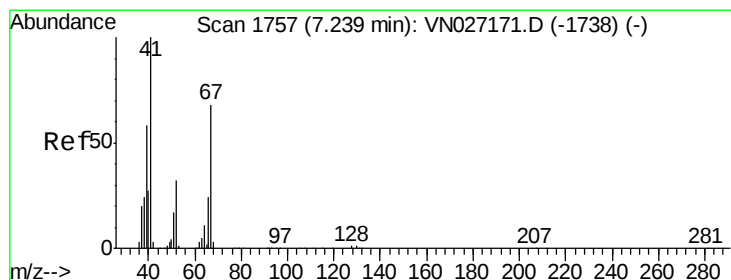
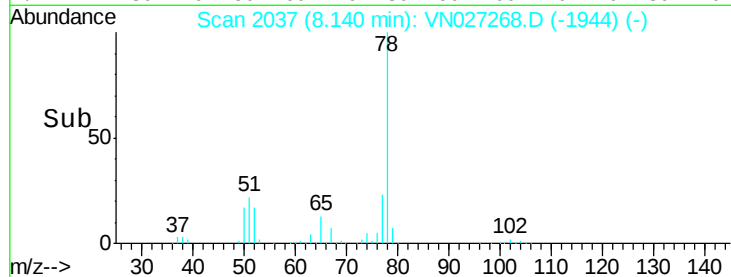
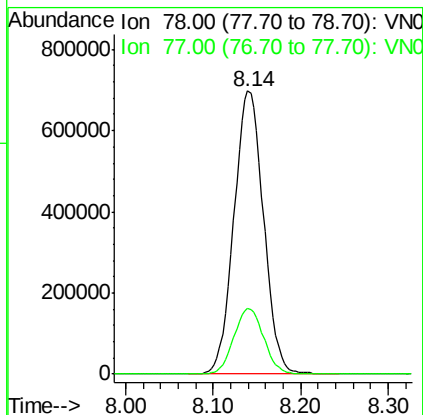
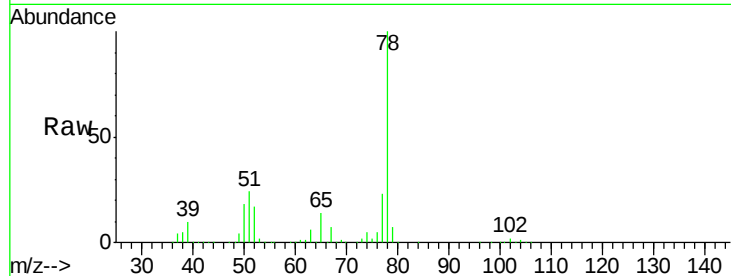
77 23.1 19.0 28.4

Manual Integrations

APPROVED

MMDadoda

9/18/2015 12:23:52 PM



#42

Methacrylonitrile

Concen: 48.39 ug/l

RT: 7.24 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VN027268.D

Acq: 17 Sep 2015 21:39

Tgt Ion: 41 Resp: 274157

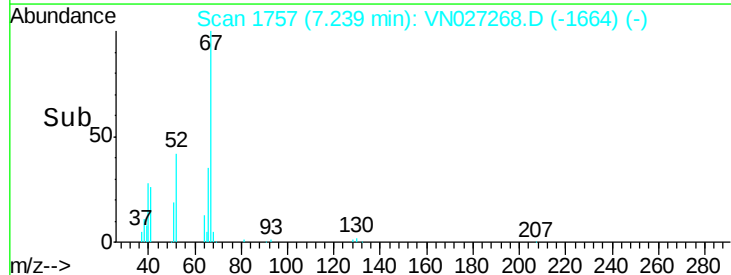
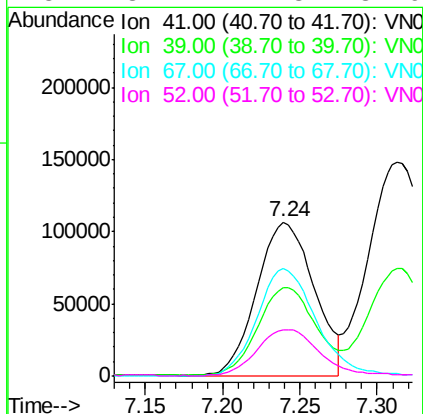
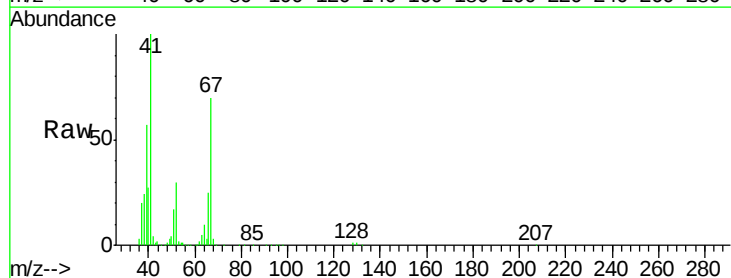
Ion Ratio Lower Upper

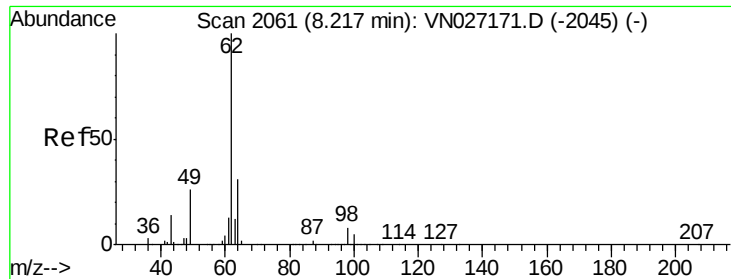
41 100

39 58.5 43.0 64.6

67 72.8 52.2 78.2

52 32.4 21.3 31.9#





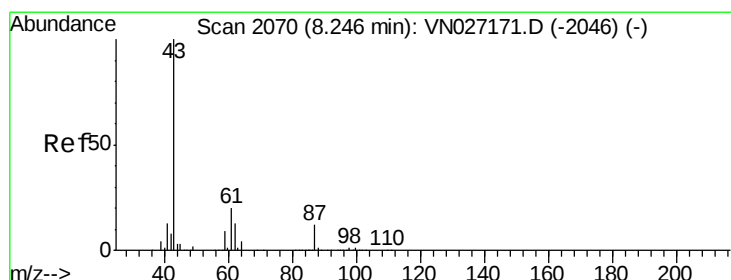
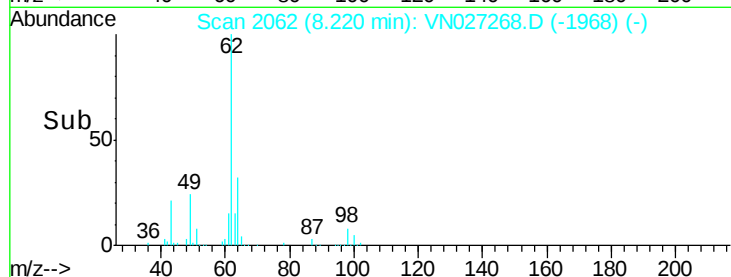
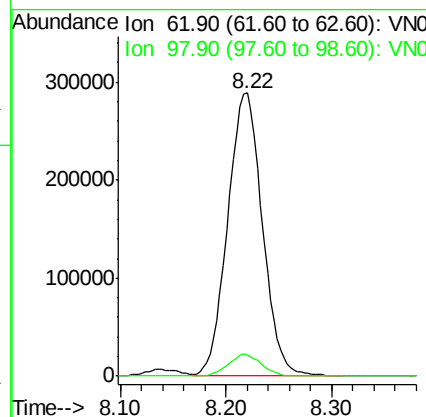
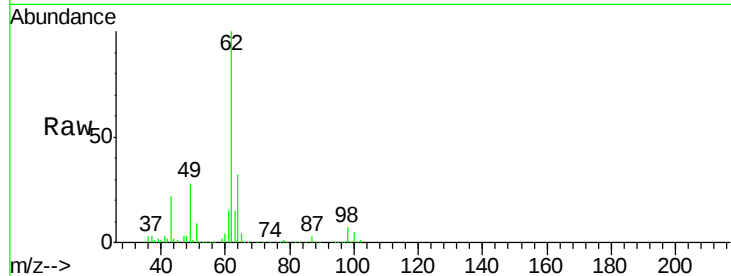
#43
 1,2-Dichloroethane
 Concen: 47.58 ug/l
 RT: 8.22 min Scan# 2062
 Delta R.T. 0.00 min
 Lab File: VN027268.D
 Acq: 17 Sep 2015 21:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
62	100	655424		
98	7.4	0.0	18.0	

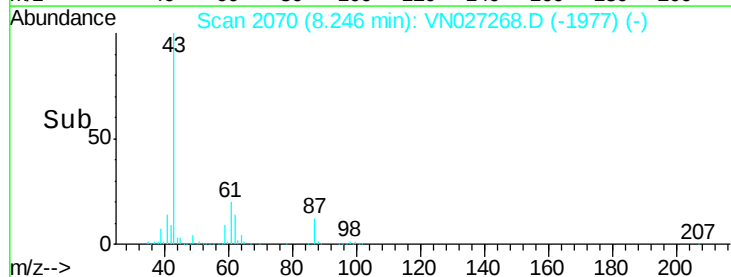
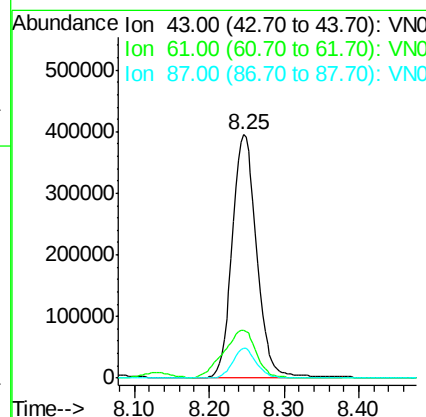
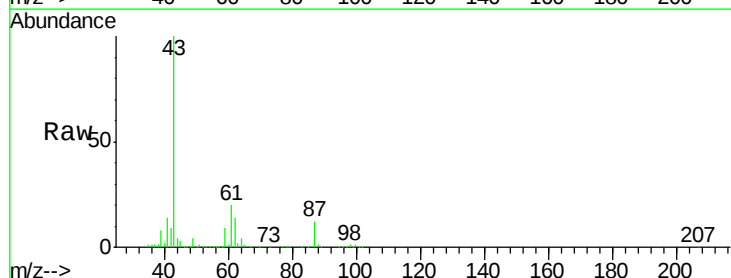
Manual Integrations
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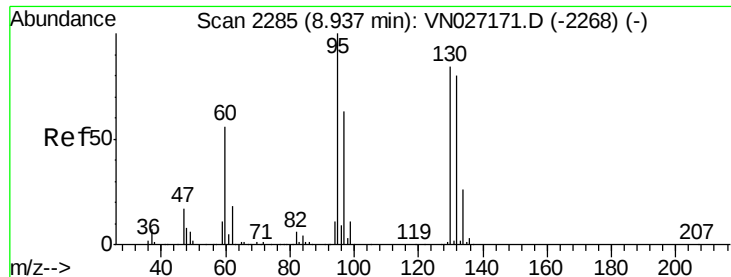
MMDadoda
 9/18/2015 12:23:52 PM



#44
 Isopropyl Acetate
 Concen: 47.57 ug/l
 RT: 8.25 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VN027268.D
 Acq: 17 Sep 2015 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	891032		
61	26.1	20.6	31.0	
87	11.9	8.6	13.0	





#45

Trichloroethene

Concen: 47.90 ug/l

RT: 8.93 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN027268.D

Acq: 17 Sep 2015 21:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:130 Resp: 329033

Ion Ratio Lower Upper

130 100

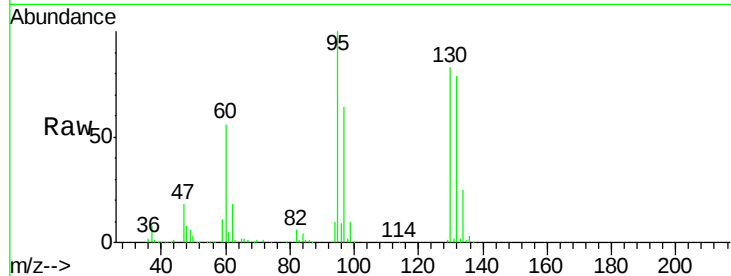
95 121.0 0.0 222.2

Manual Integrations

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

200000

150000

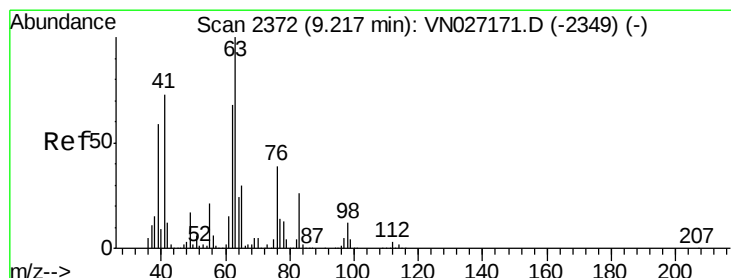
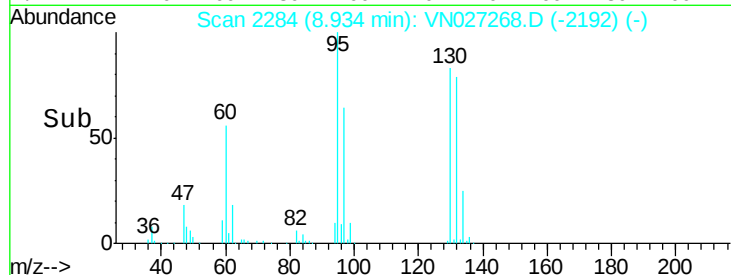
100000

50000

0

8.85 8.90 8.95 9.00

Time-->



#46

1,2-Dichloropropane

Concen: 46.59 ug/l

RT: 9.22 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN027268.D

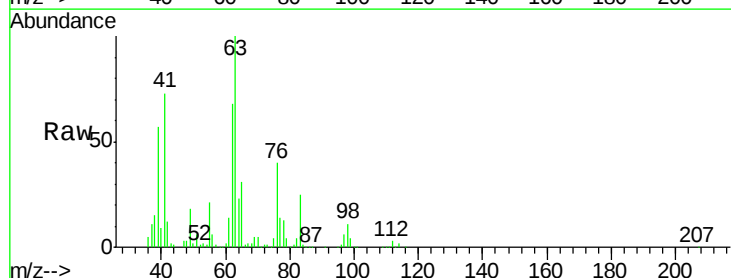
Acq: 17 Sep 2015 21:39

Tgt Ion: 63 Resp: 458425

Ion Ratio Lower Upper

63 100

65 30.6 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

250000

200000

150000

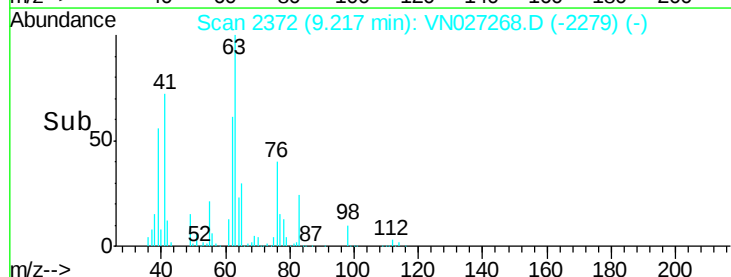
100000

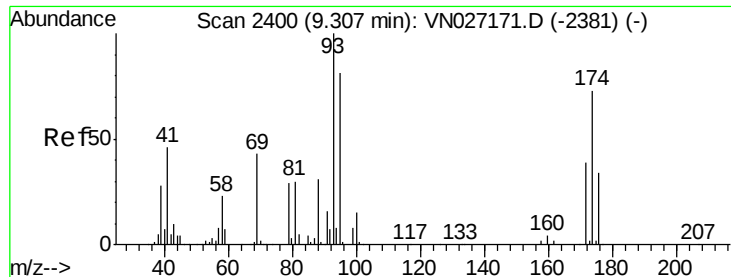
50000

0

9.10 9.20 9.30

Time-->





#47

Dibromomethane

Concen: 47.41 ug/l

RT: 9.31 min Scan# 2400

Delta R.T. 0.00 min

Lab File: VN027268.D

Acq: 17 Sep 2015 21:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 93 Resp: 273908

Ion Ratio Lower Upper

93 100

95 81.7 66.3 99.5

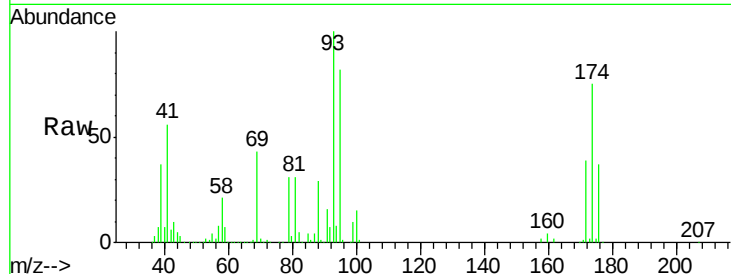
174 74.4 67.8 101.6

Manual Integrations

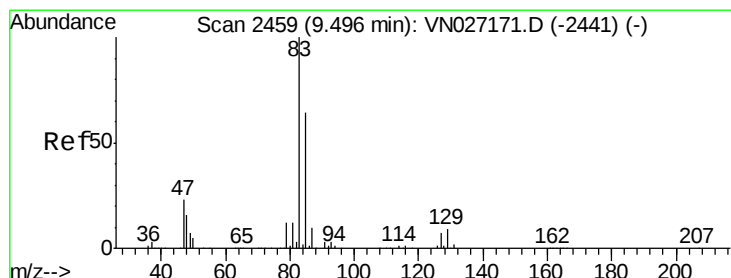
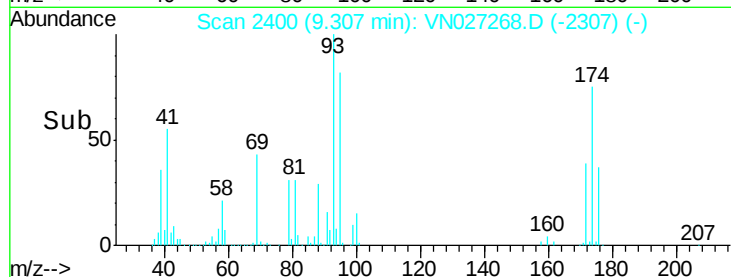
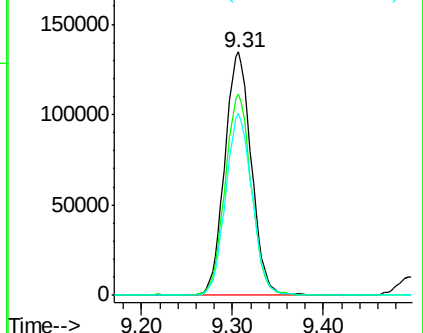
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Abundance Ion 92.80 (92.50 to 93.50): VNO
Ion 94.80 (94.50 to 95.50): VNO
Ion 173.70 (173.40 to 174.40): V



#48

Bromodichloromethane

Concen: 47.52 ug/l

RT: 9.49 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN027268.D

Acq: 17 Sep 2015 21:39

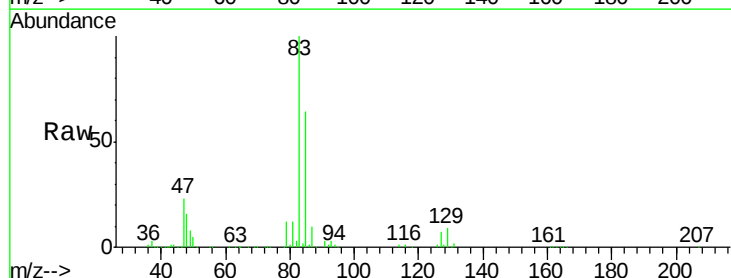
Tgt Ion: 83 Resp: 578577

Ion Ratio Lower Upper

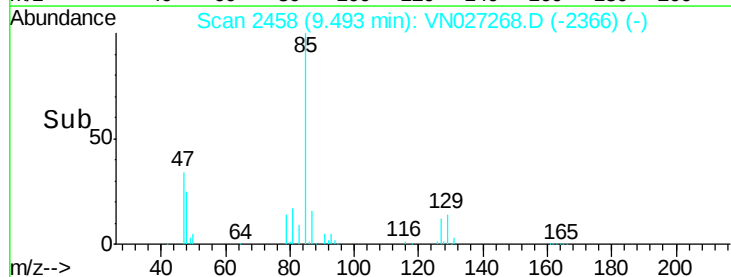
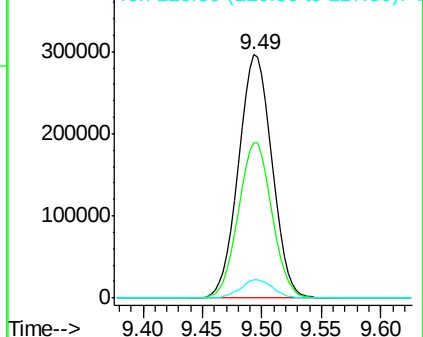
83 100

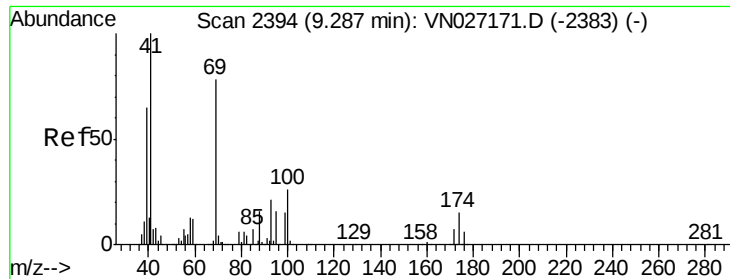
85 63.8 50.7 76.1

127 7.4 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





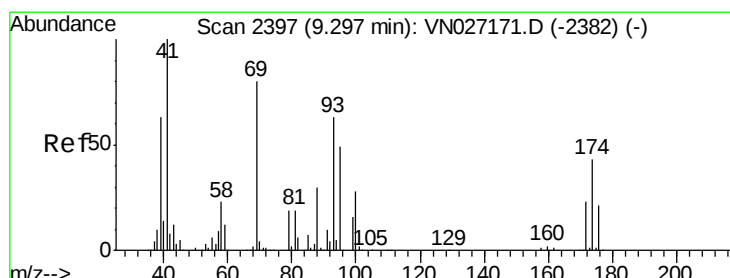
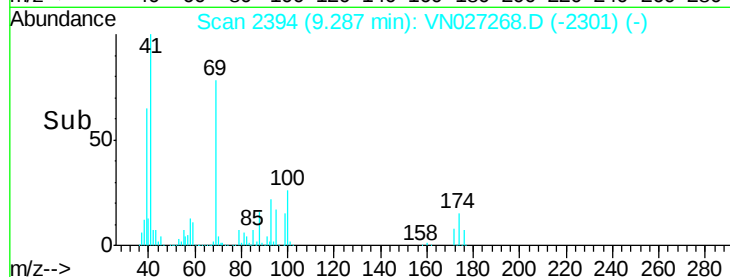
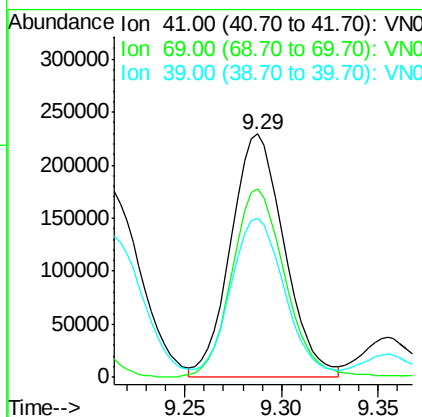
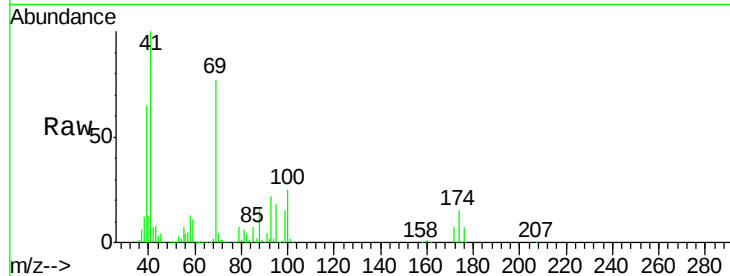
#49
Methvl methacrylate
Concen: 47.06 ug/l
RT: 9.29 min Scan# 2394
Delta R.T. 0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100	439130		
69	77.1	59.3	88.9	
39	66.1	39.5	59.3#	

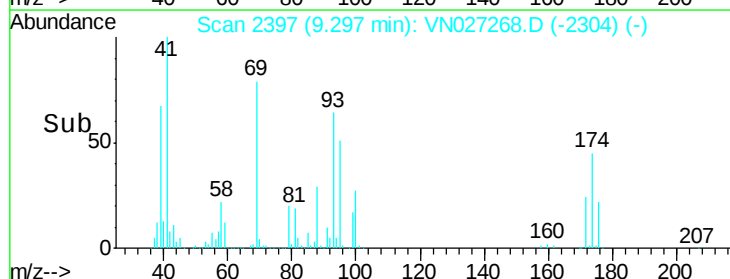
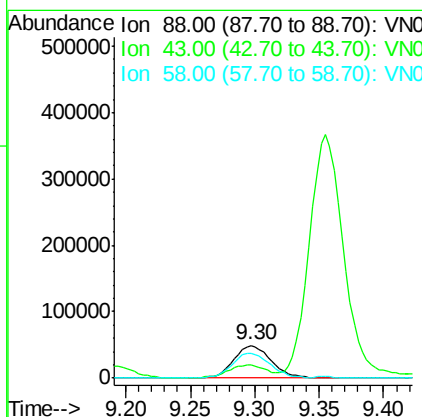
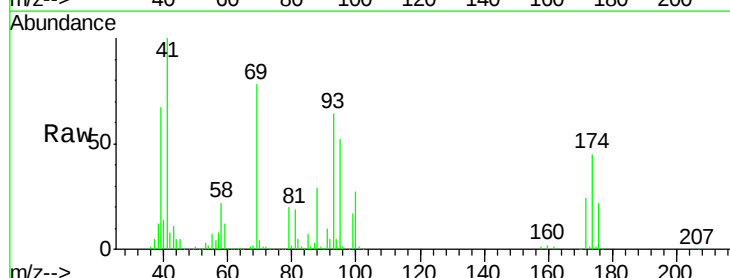
Manual Integrations
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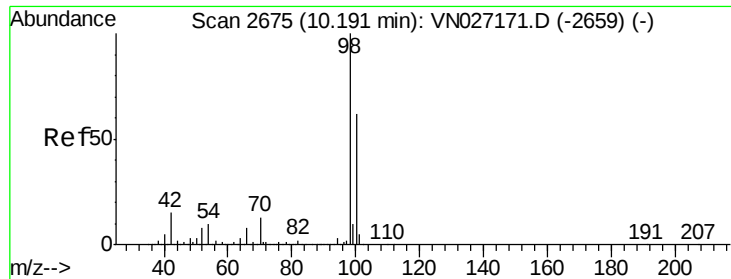
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#50
1,4-Dioxane
Concen: 912.53 ug/l
RT: 9.30 min Scan# 2397
Delta R.T. 0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	99870		
43	36.8	27.6	41.4	
58	78.2	63.1	94.7	





#51

Toluene-d8

Concen: 49.36 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027268.D

Acq: 17 Sep 2015 21:39

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 98 Resp: 1341298

Ion Ratio Lower Upper

98 100

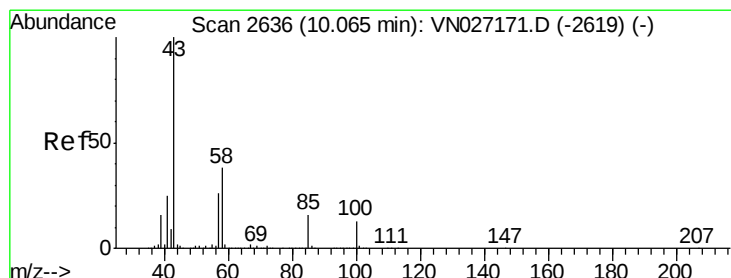
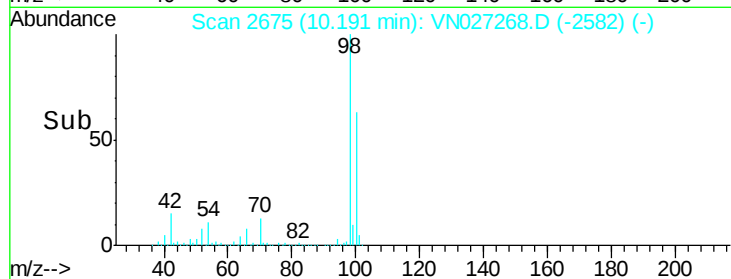
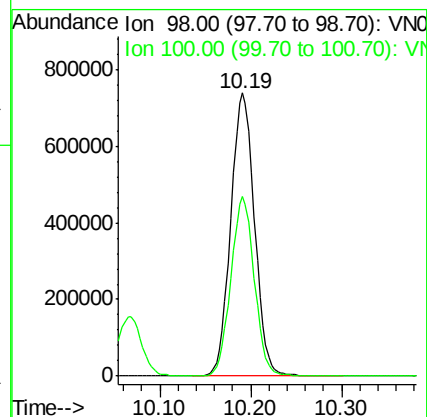
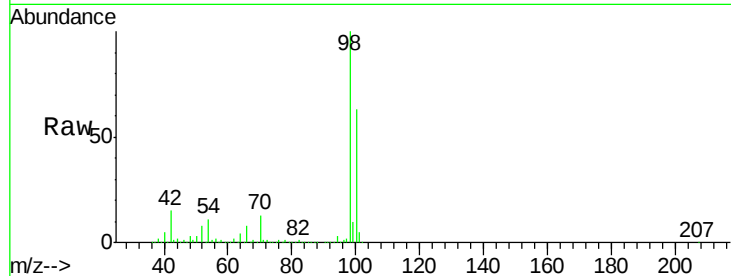
100 62.5 50.5 75.7

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#52

4-Methyl-2-Pentanone

Concen: 236.60 ug/l

RT: 10.07 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VN027268.D

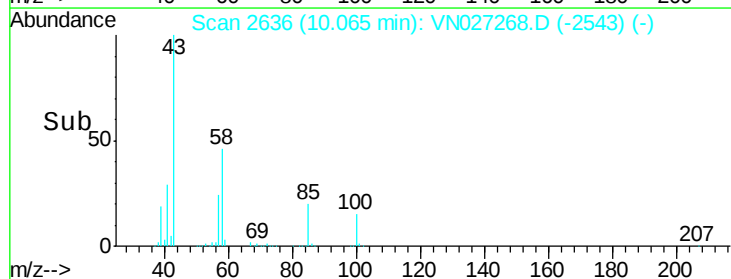
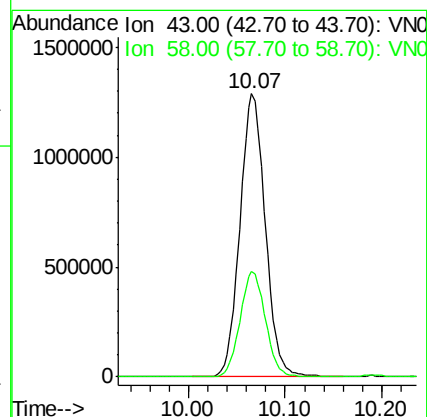
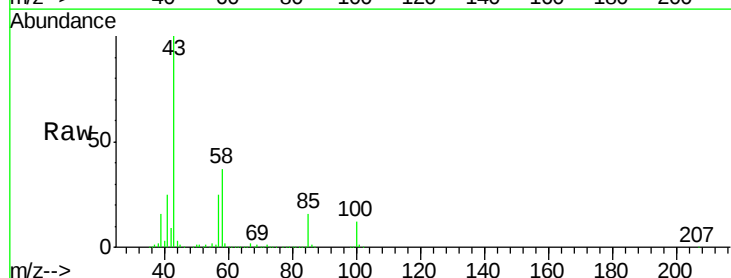
Acq: 17 Sep 2015 21:39

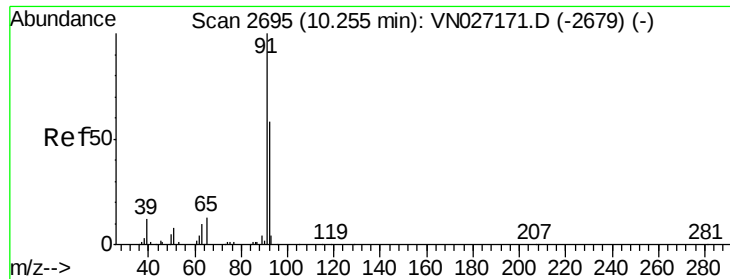
Tgt Ion: 43 Resp: 2343028

Ion Ratio Lower Upper

43 100

58 37.3 29.8 44.8





#53

Toluene

Concen: 47.91 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027268.D

Acq: 17 Sep 2015 21:39

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 92 Resp: 959645

Ion Ratio Lower Upper

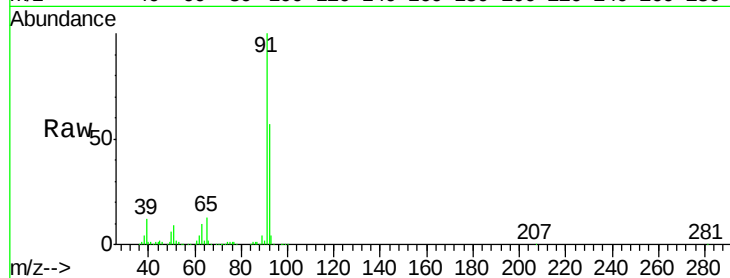
92 100

91 175.1 141.4 212.2

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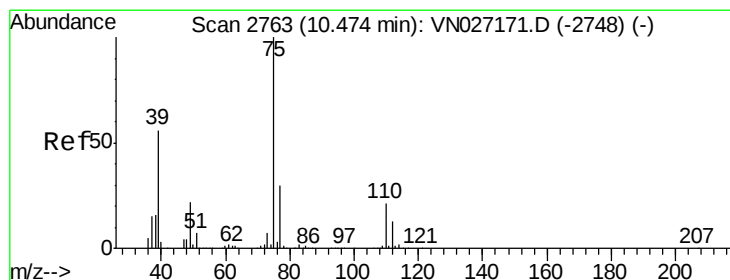
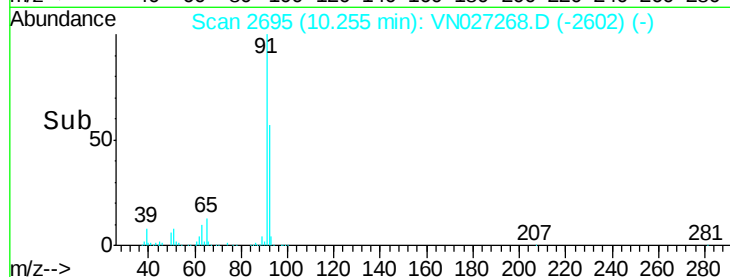
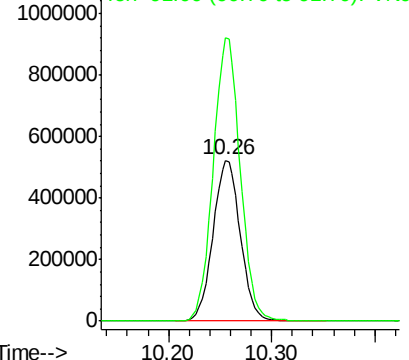
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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

t-1,3-Dichloropropene

Concen: 46.03 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027268.D

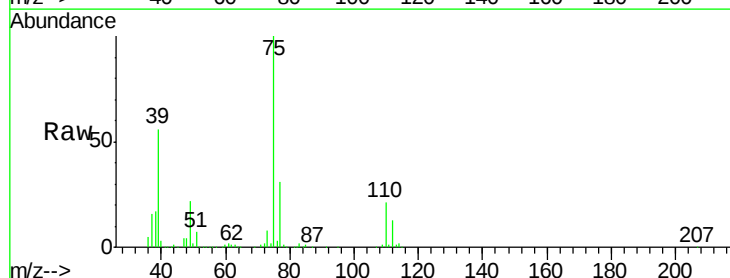
Acq: 17 Sep 2015 21:39

Tgt Ion: 75 Resp: 629242

Ion Ratio Lower Upper

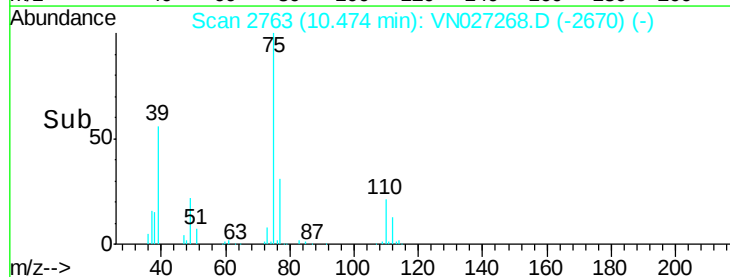
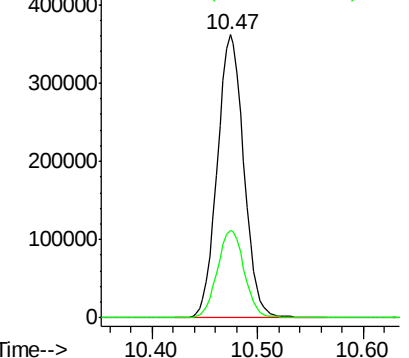
75 100

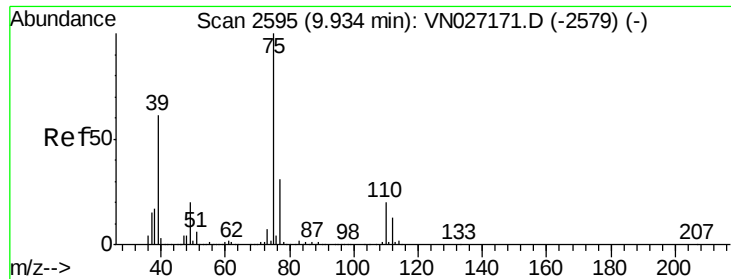
77 31.0 25.4 38.2



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: 46.00 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. 0.00 min

Lab File: VN027268.D

Acq: 17 Sep 2015 21:39

Instrument :

MSVOA_N

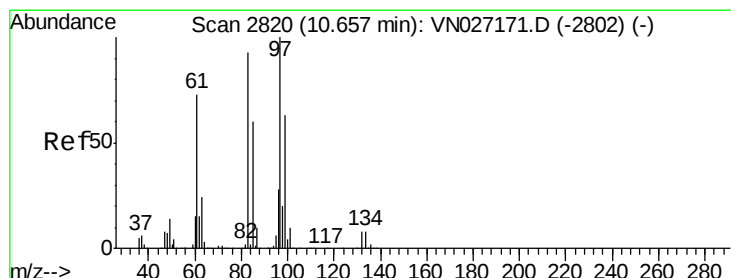
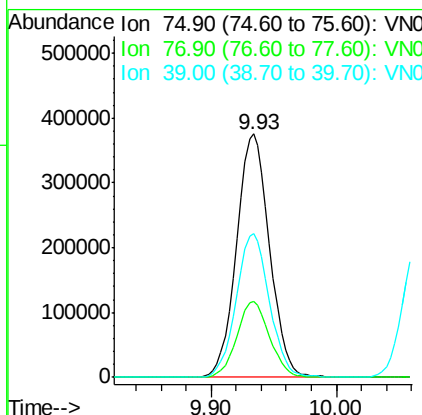
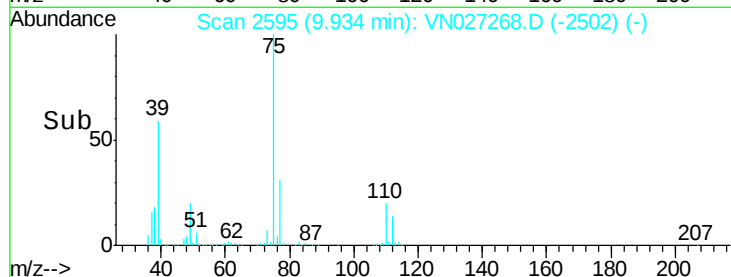
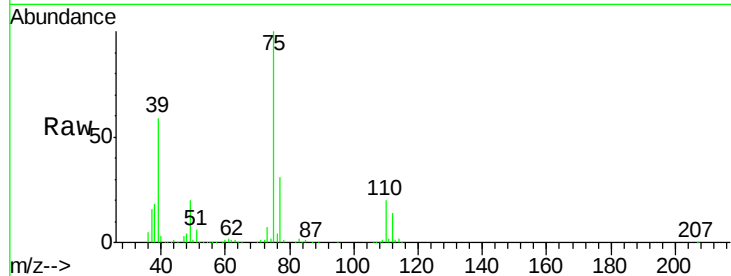
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	684219
Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.6	38.4
39	58.8	41.6	62.4

Manual Integrations
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#56

1,1,2-Trichloroethane

Concen: 48.78 ug/l

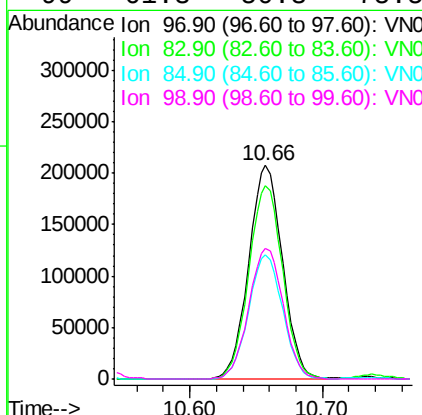
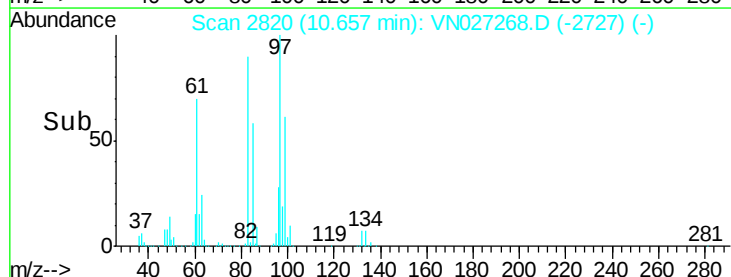
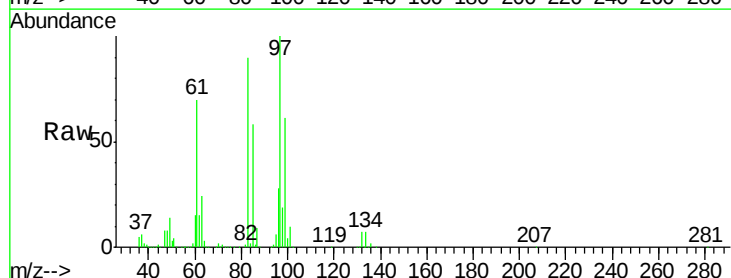
RT: 10.66 min Scan# 2820

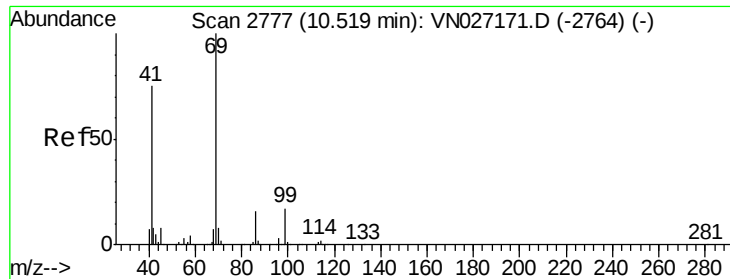
Delta R.T. 0.00 min

Lab File: VN027268.D

Acq: 17 Sep 2015 21:39

Tgt Ion:	97	Resp:	367198
Ion	Ratio	Lower	Upper
97	100		
83	90.4	75.0	112.4
85	58.3	48.0	72.0
99	61.3	50.3	75.5





#57

Ethyl methacrylate

Concen: 47.36 ug/l

RT: 10.52 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN027268.D

Acq: 17 Sep 2015 21:39

Instrument :

MSVOA_N

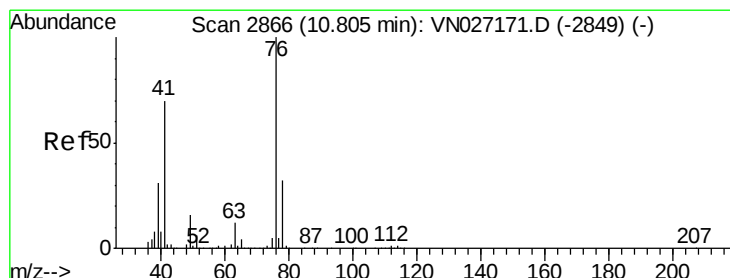
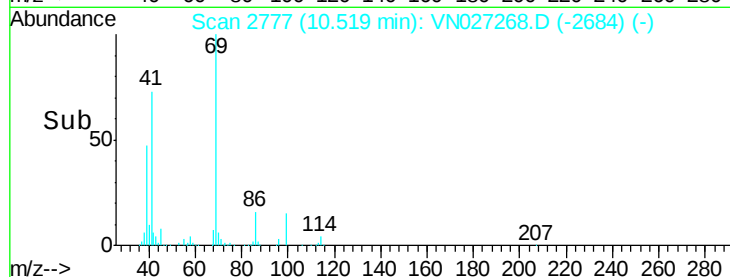
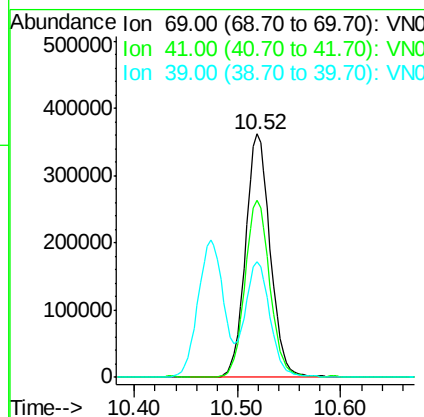
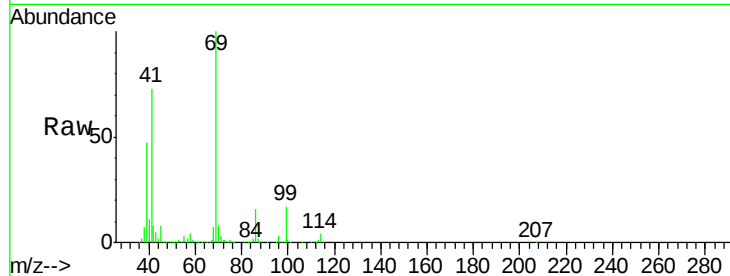
ClientSampleId :

VSTDCCC050

Tot Ion:	69	Resp:	600792
Ion Ratio	Lower	Upper	
69	100		
41	72.9	61.3	91.9
39	47.5	28.4	42.6

Manual Integrations
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#58

1,3-Dichloropropane

Concen: 47.94 ug/l

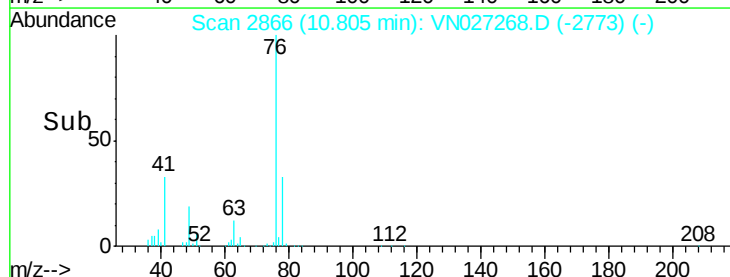
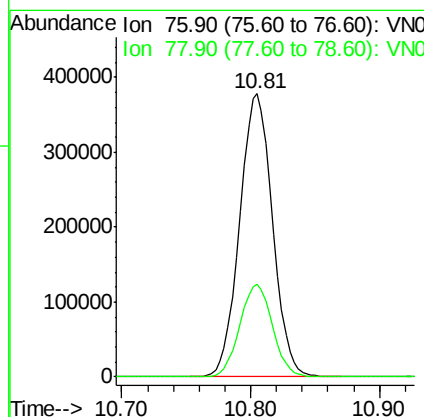
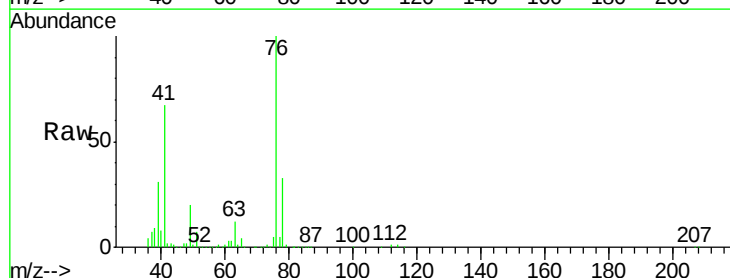
RT: 10.81 min Scan# 2866

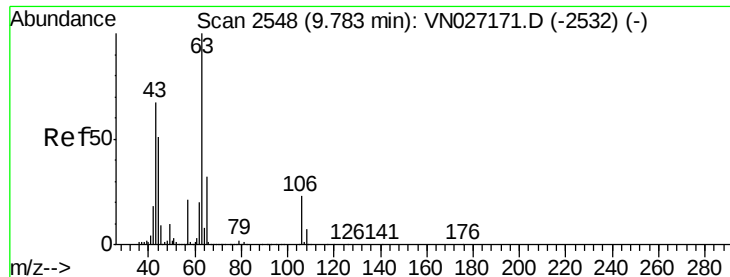
Delta R.T. 0.00 min

Lab File: VN027268.D

Acq: 17 Sep 2015 21:39

Tgt Ion:	76	Resp:	669916
Ion Ratio	Lower	Upper	
76	100		
78	32.7	25.0	37.6





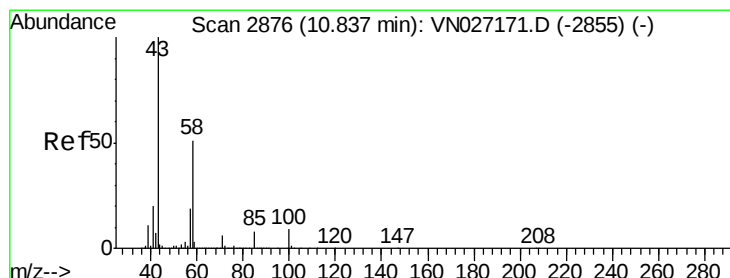
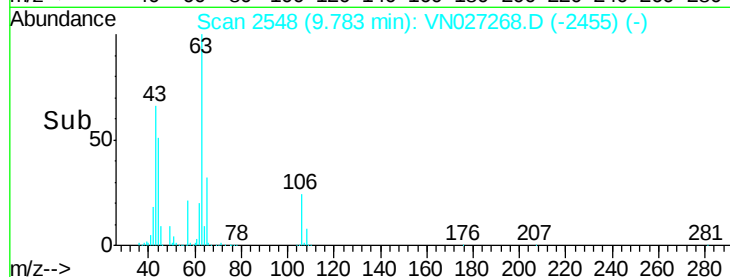
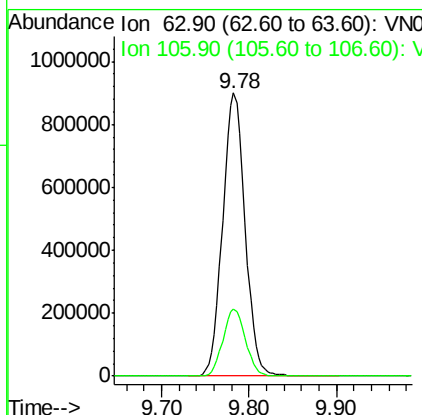
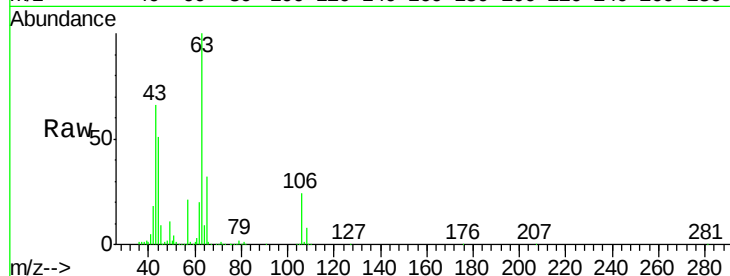
#59
2-Chloroethyl Vinyl ether
Concen: 275.28 ug/l
RT: 9.78 min Scan# 2548
Delta R.T. 0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 63 Resp: 1603514
Ion Ratio Lower Upper
63 100
106 23.6 17.7 26.5

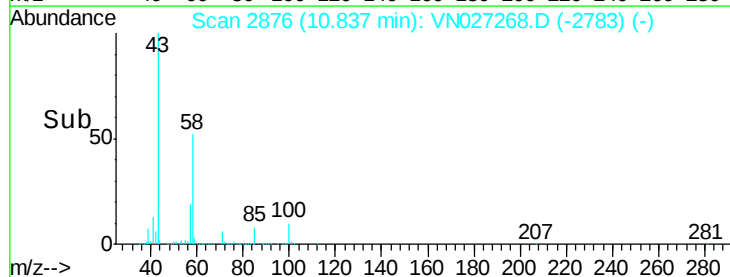
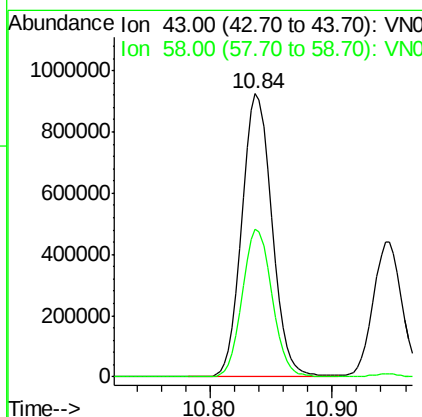
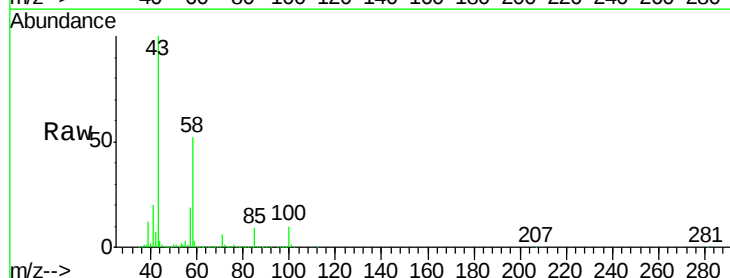
Manual Integrations
APPROVED

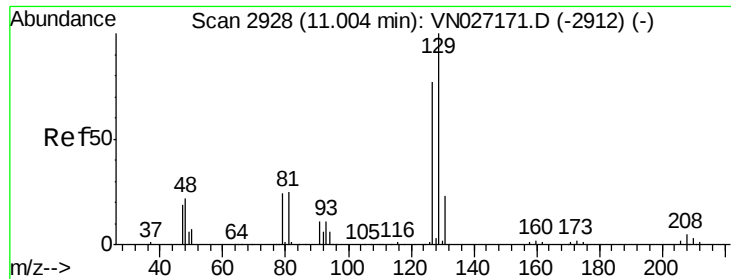
MMDadoda
9/18/2015 12:23:52 PM



#60
2-Hexanone
Concen: 232.76 ug/l
RT: 10.84 min Scan# 2876
Delta R.T. 0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

Tgt Ion: 43 Resp: 1569339
Ion Ratio Lower Upper
43 100
58 51.8 26.2 78.5





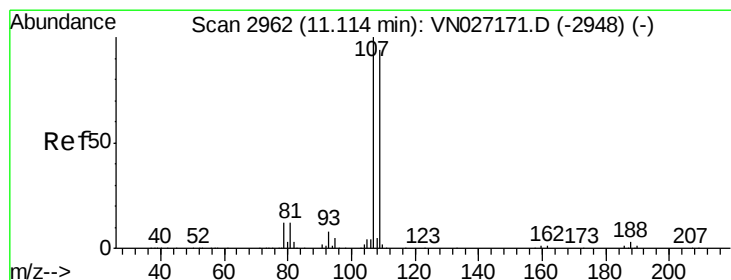
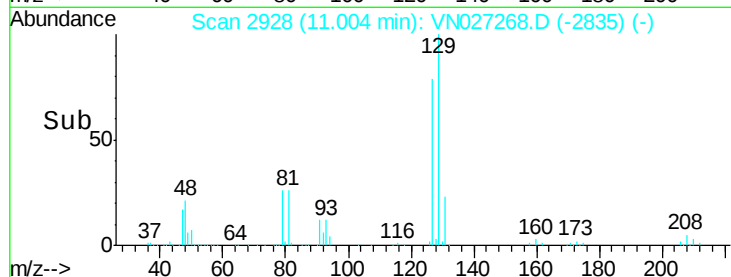
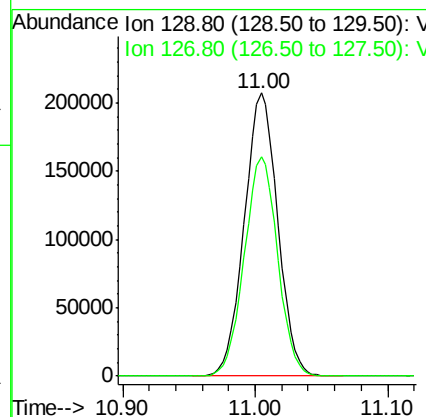
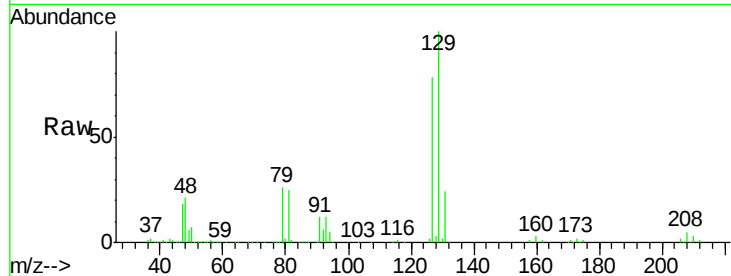
#61
Dibromochloromethane
Concen: 47.18 ug/l
RT: 11.00 min Scan# 2928
Delta R.T. 0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:129 Resp: 362742
Ion Ratio Lower Upper
129 100
127 77.3 39.1 117.2

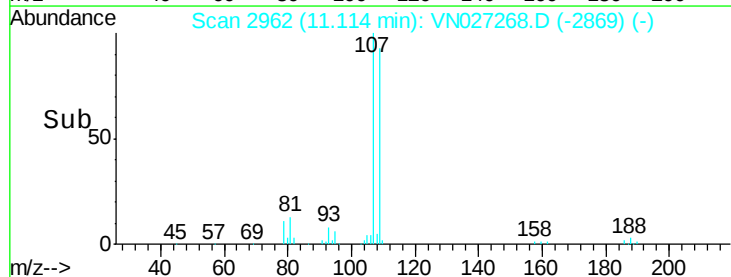
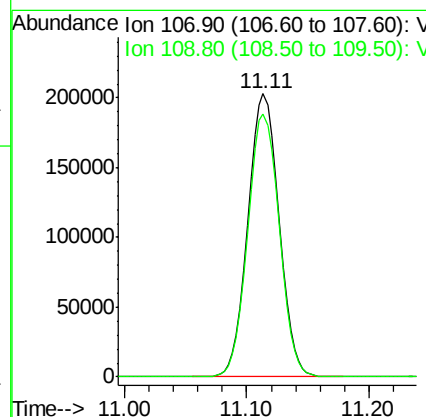
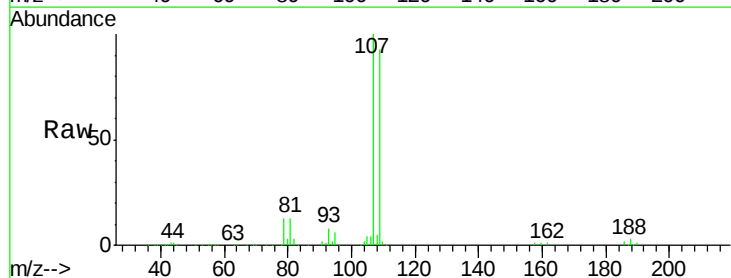
Manual Integrations
APPROVED

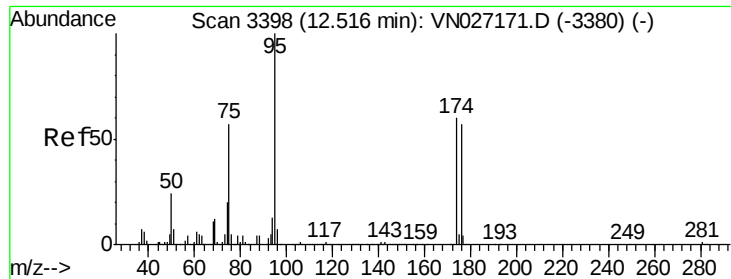
MMDadoda
9/18/2015 12:23:52 PM



#62
1,2-Dibromoethane
Concen: 48.04 ug/l
RT: 11.11 min Scan# 2962
Delta R.T. 0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

Tgt Ion:107 Resp: 355415
Ion Ratio Lower Upper
107 100
109 94.4 75.6 113.4





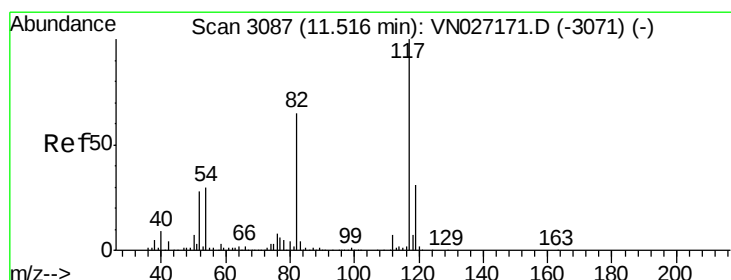
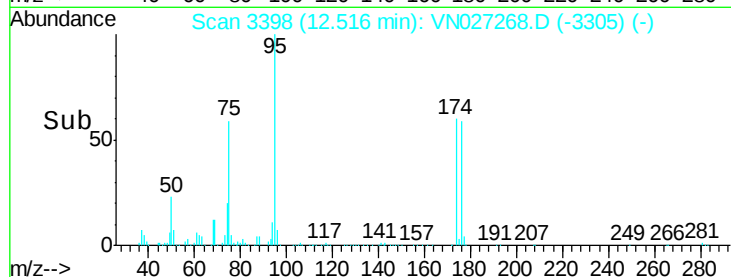
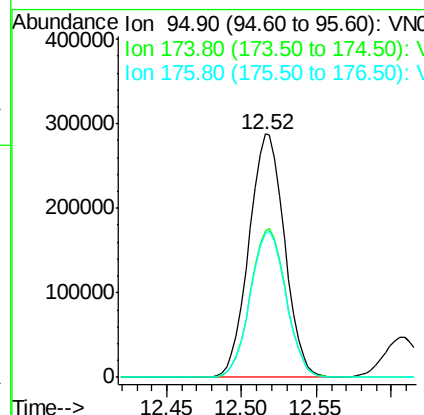
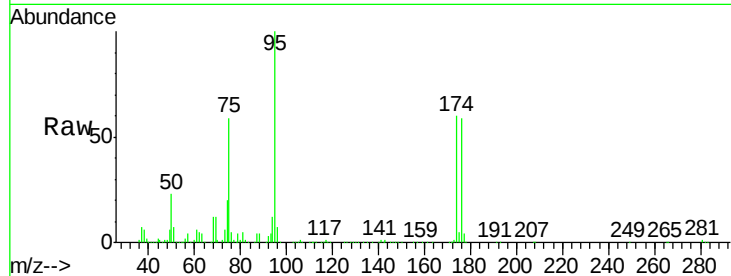
#63
4-Bromofluorobenzene
Concen: 49.49 ug/l
RT: 12.52 min Scan# 3398
Delta R.T. 0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
95	100	477350		
174	61.5	0.0	137.0	
176	59.9	0.0	130.8	

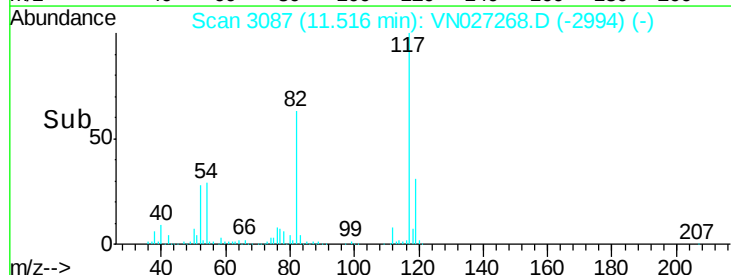
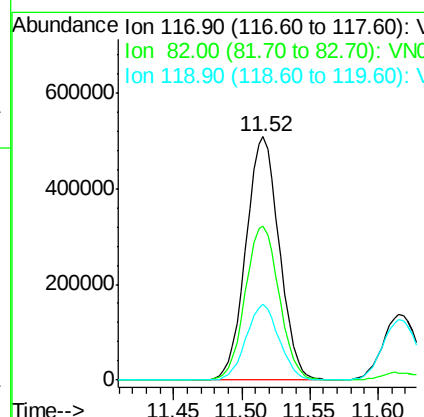
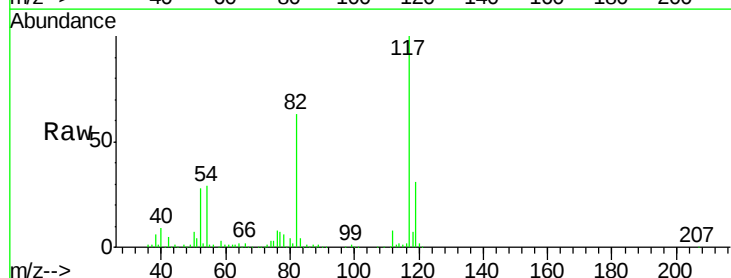
Manual Integrations
APPROVED

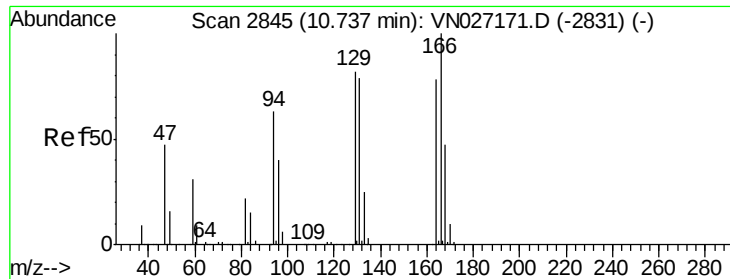
MMDadoda
9/18/2015 12:23:52 PM



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	863292		
82	63.3	49.6	74.4	
119	31.0	24.6	36.8	





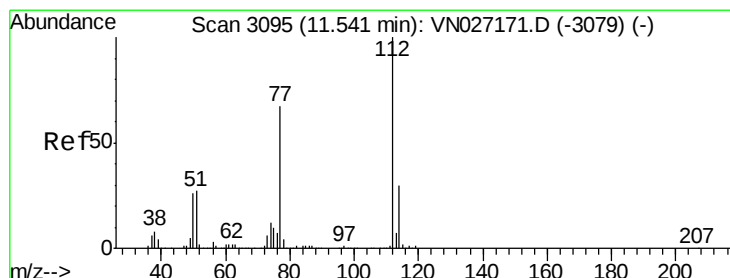
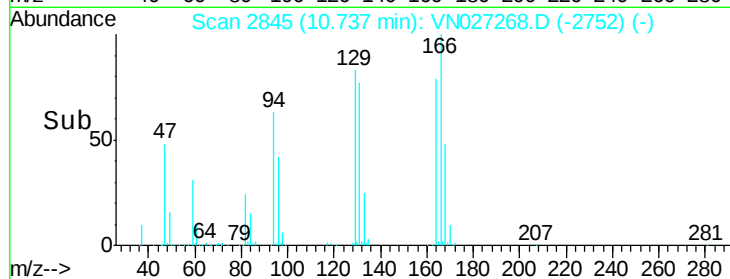
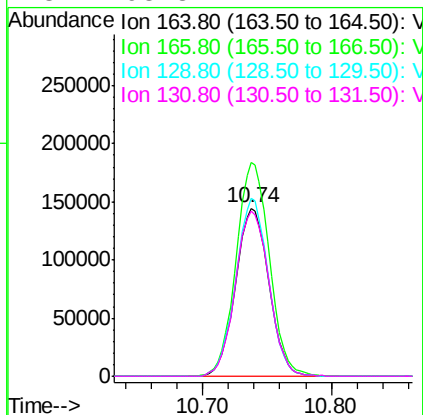
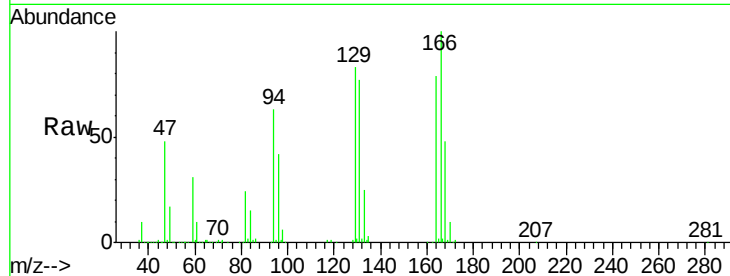
#65
Tetrachloroethene
Concen: 46.88 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.4	103.4	155.0
129	106.3	77.5	116.3
131	98.3	74.2	111.4

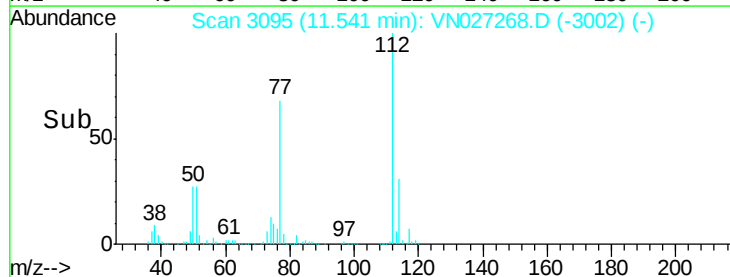
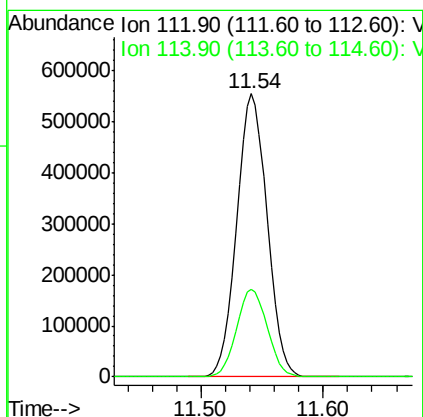
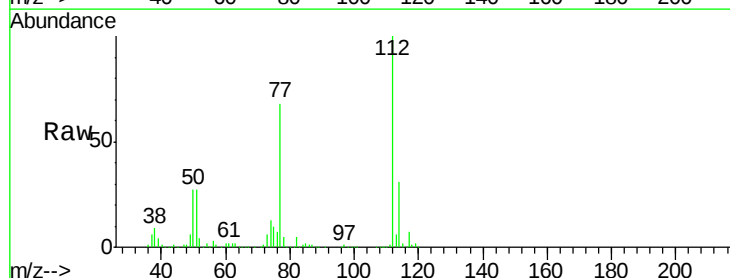
Manual Integrations
APPROVED

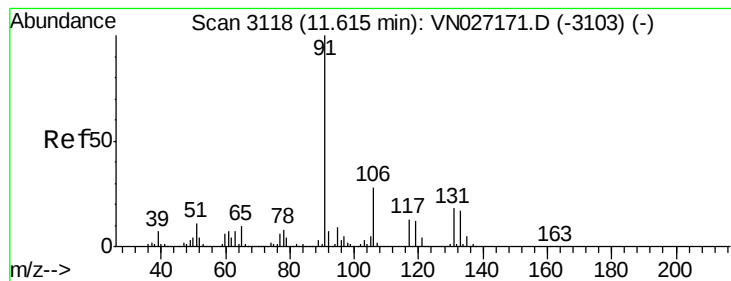
MMDadoda
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#66
Chlorobenzene
Concen: 46.68 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.0	24.9	37.3





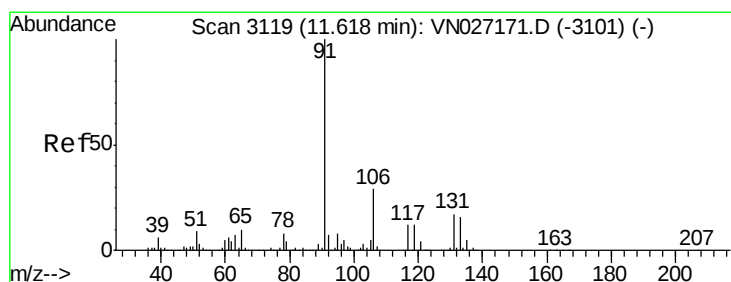
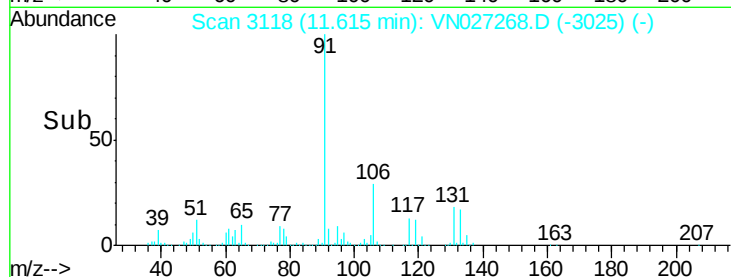
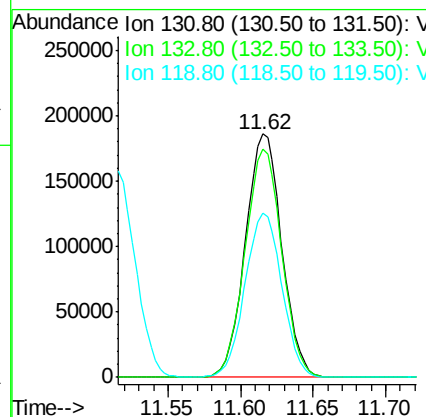
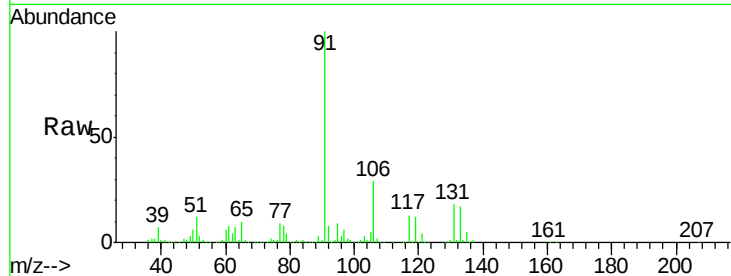
#67
 1,1,1,2-Tetrachloroethane
 Concen: 46.80 ug/l
 RT: 11.62 min Scan# 3118
 Delta R.T. 0.00 min
 Lab File: VN027268.D
 Acq: 17 Sep 2015 21:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
131	100	325375		
133	94.4	47.0	141.2	
119	68.5	35.1	105.5	

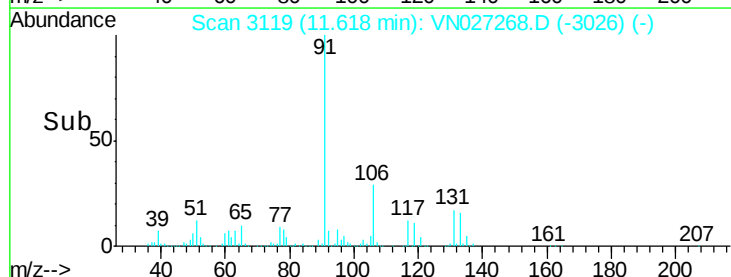
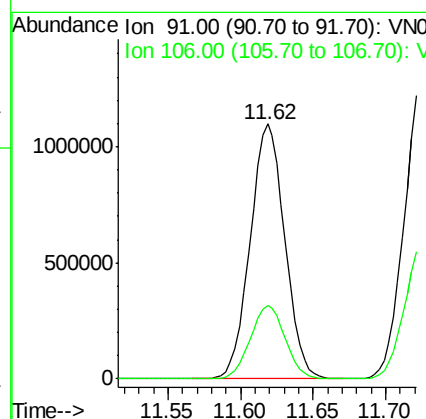
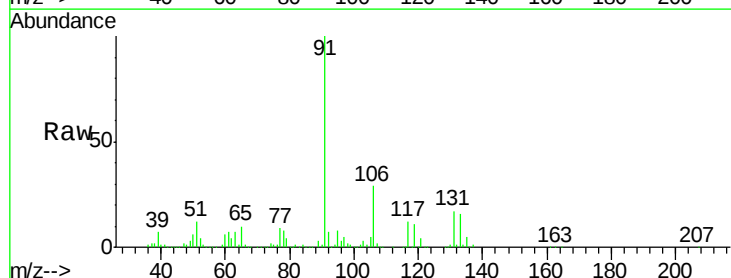
Manual Integrations
 APPROVED

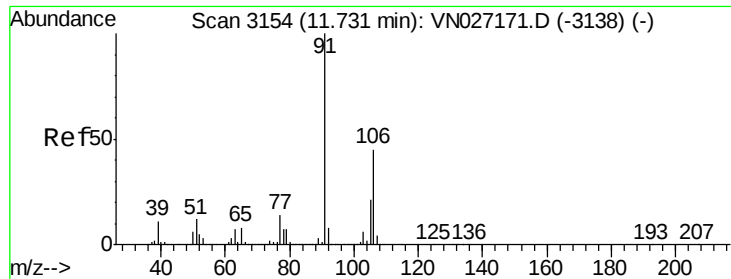
MMDadoda
 9/18/2015 12:23:52 PM



#68
 Ethyl Benzene
 Concen: 47.11 ug/l
 RT: 11.62 min Scan# 3119
 Delta R.T. 0.00 min
 Lab File: VN027268.D
 Acq: 17 Sep 2015 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1820683		
106	28.9	23.1	34.7	





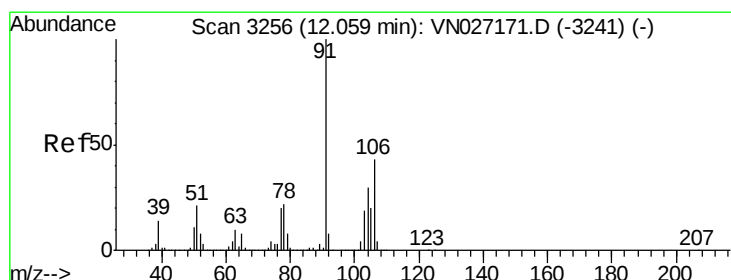
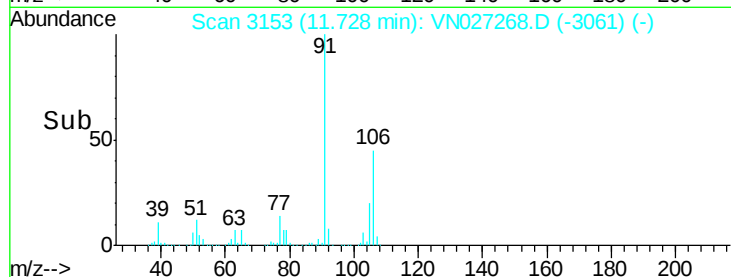
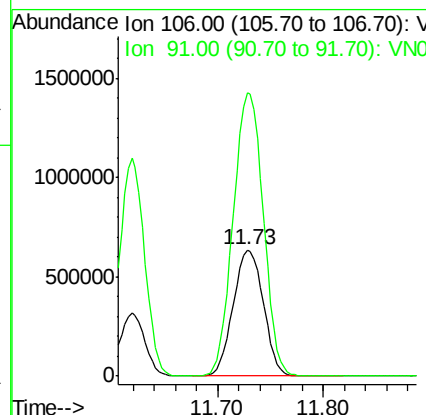
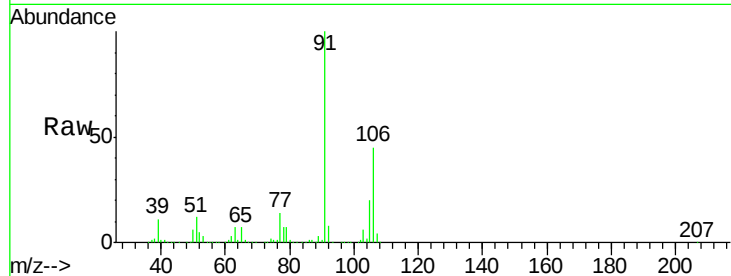
#69
m/p-Xylenes
Concen: 94.41 ug/l
RT: 11.73 min Scan# 3153
Delta R.T. -0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1258868
Ion Ratio Lower Upper
106 100
91 223.6 167.1 250.7

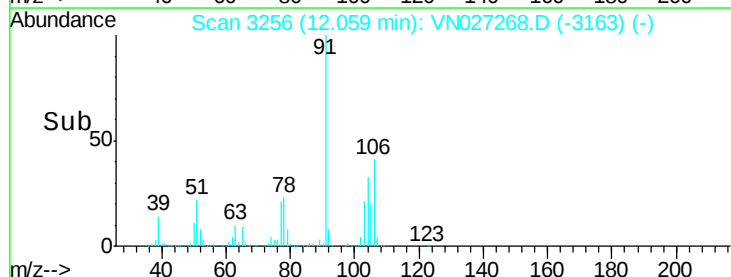
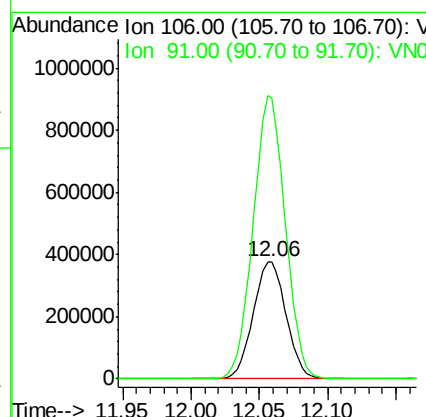
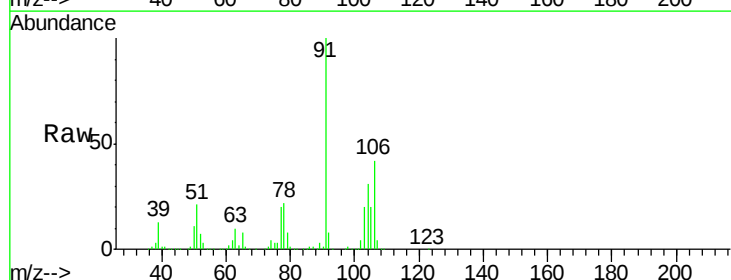
Manual Integrations
APPROVED

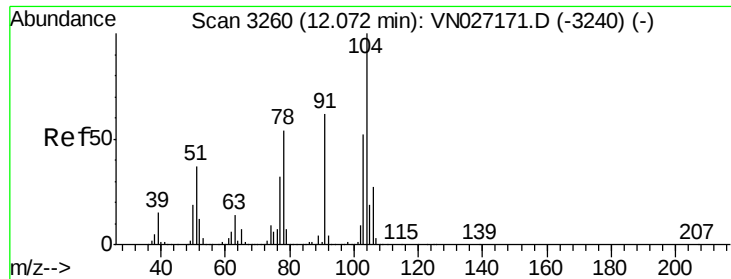
MMDadoda
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#70
o-Xylene
Concen: 47.08 ug/l
RT: 12.06 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

Tgt Ion:106 Resp: 629371
Ion Ratio Lower Upper
106 100
91 236.4 110.7 331.9





#71

Stvrene

Concen: 48.16 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN027268.D

Acq: 17 Sep 2015 21:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:104 Resp: 1039135

Ion Ratio Lower Upper

104 100

78 59.4 41.6 62.4

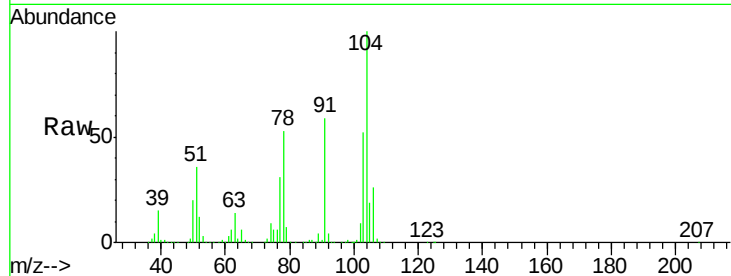
103 55.6 44.2 66.2

Manual Integrations

APPROVED

MMDadoda

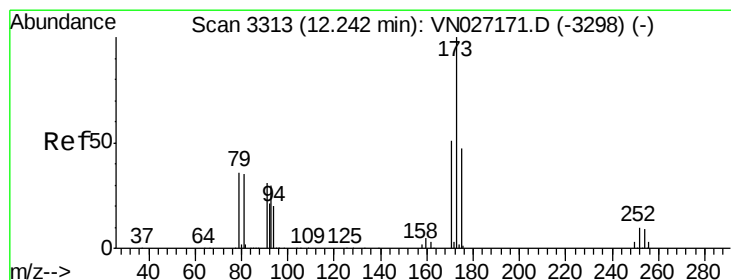
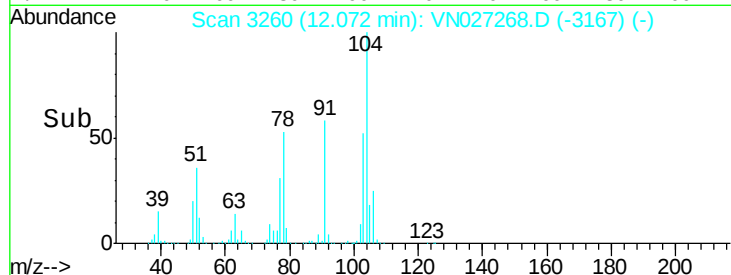
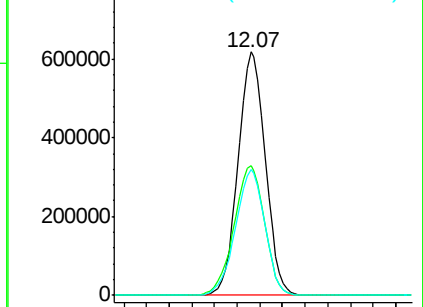
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Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

Bromoform

Concen: 46.43 ug/l

RT: 12.24 min Scan# 3313

Delta R.T. 0.00 min

Lab File: VN027268.D

Acq: 17 Sep 2015 21:39

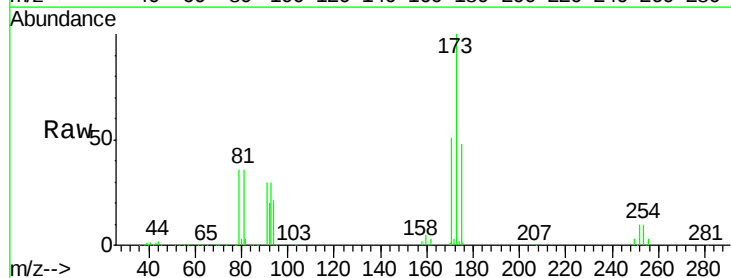
Tgt Ion:173 Resp: 224489

Ion Ratio Lower Upper

173 100

175 48.0 24.4 73.4

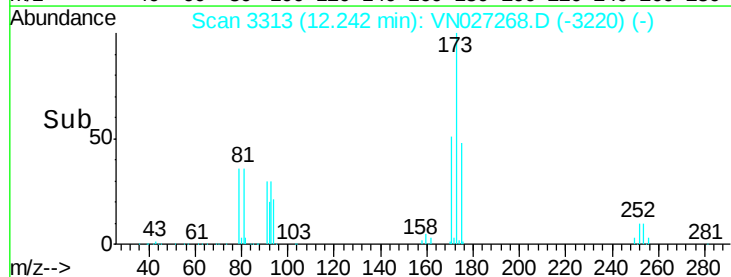
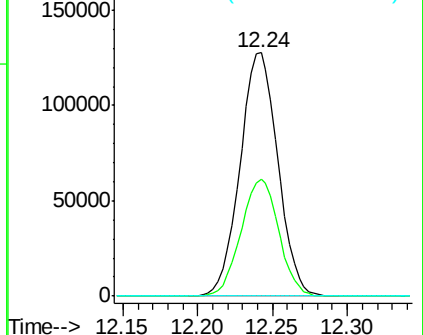
254 0.1 0.1 0.1#

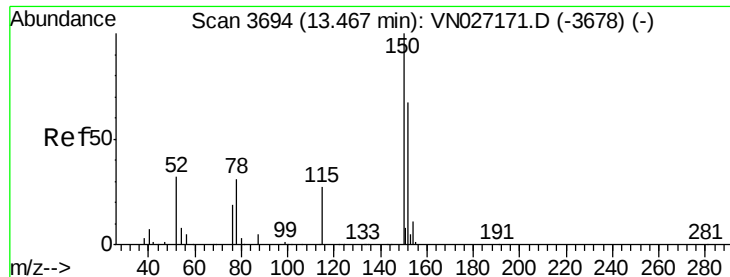


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027268.D

Acq: 17 Sep 2015 21:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:152 Resp: 329325

Ion Ratio Lower Upper

152 100

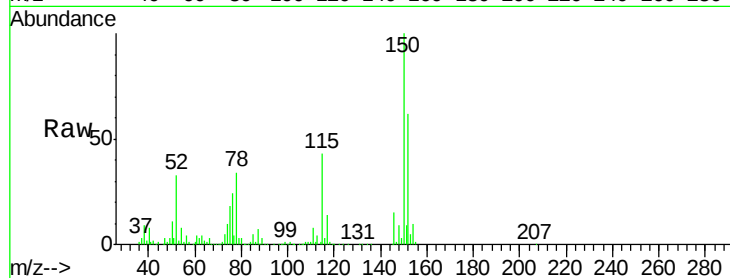
115 67.2 30.8 92.3

150 175.1 0.0 345.0

Manual Integrations
APPROVED

MMDadoda

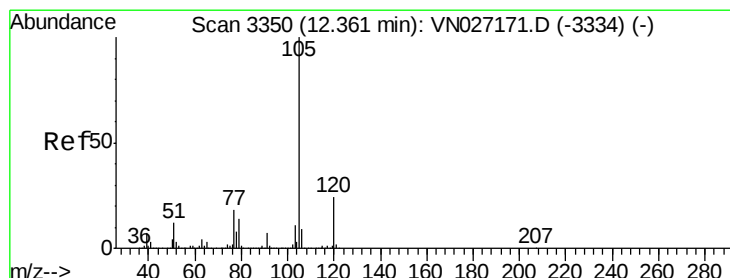
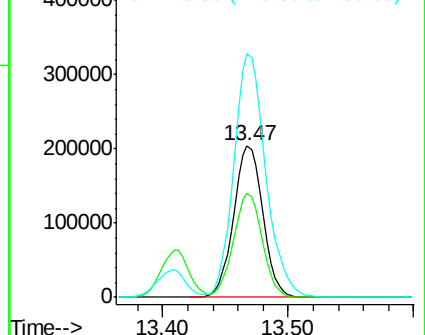
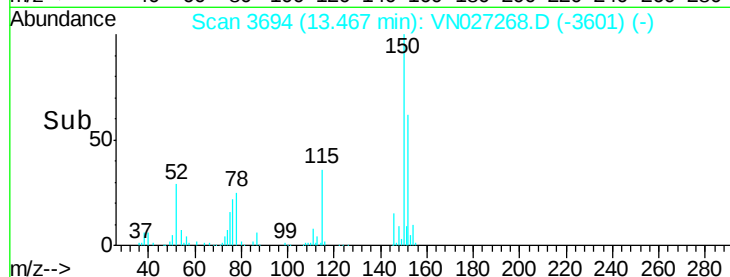
9/18/2015 12:23:52 PM



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: 46.81 ug/l

RT: 12.36 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VN027268.D

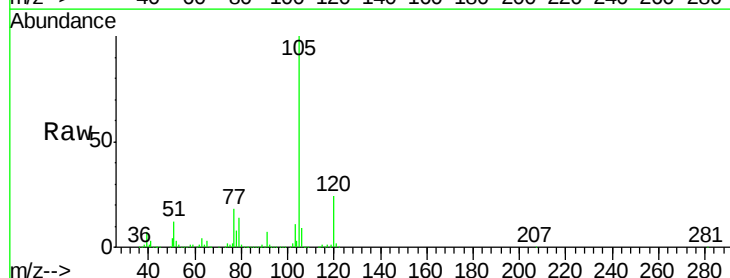
Acq: 17 Sep 2015 21:39

Tgt Ion:105 Resp: 1698640

Ion Ratio Lower Upper

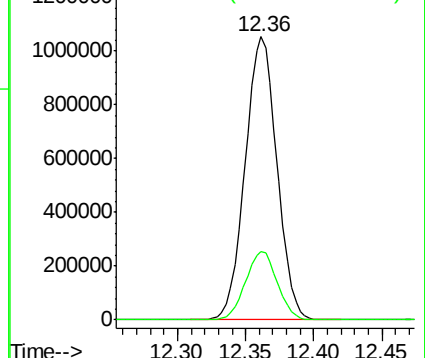
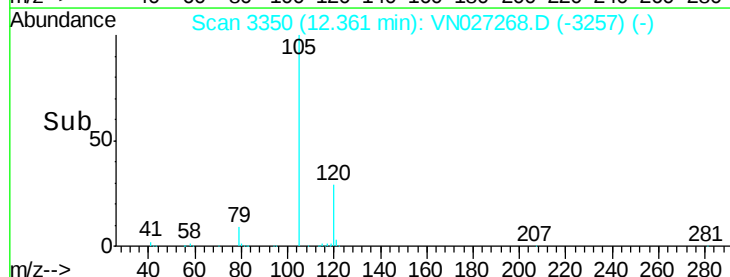
105 100

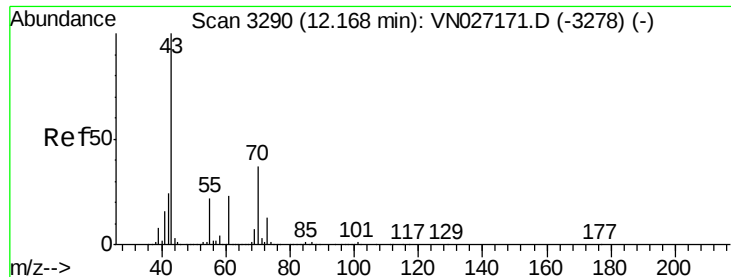
120 24.1 12.4 37.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

N-amvl acetate

Concen: 45.64 ug/l

RT: 12.17 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VN027268.D

Acq: 17 Sep 2015 21:39

Instrument :

MSVOA_N

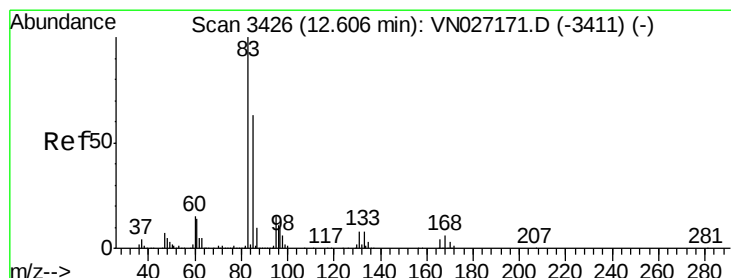
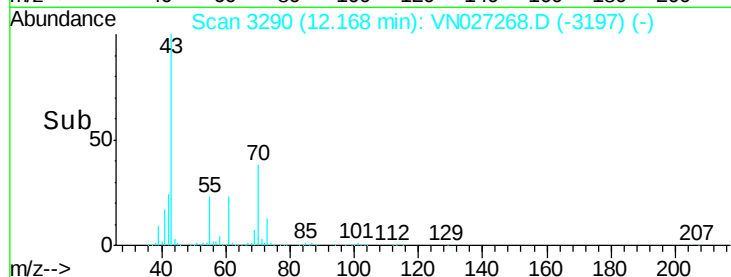
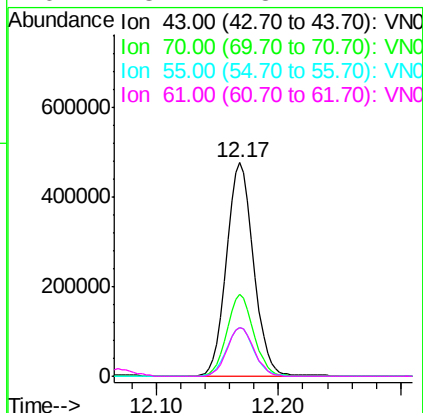
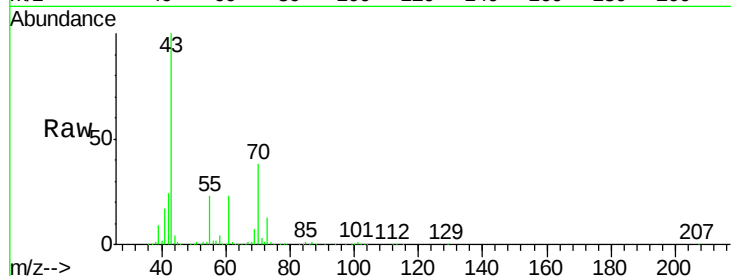
ClientSampleId :

VSTDCCC050

Tot Ion	43	Resp	739177
Ion	Ratio	Lower	Upper
43	100		
70	38.2	29.8	44.8
55	23.1	19.4	29.0
61	23.1	18.2	27.2

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#76

1,1,2,2-Tetrachloroethane

Concen: 51.81 ug/l

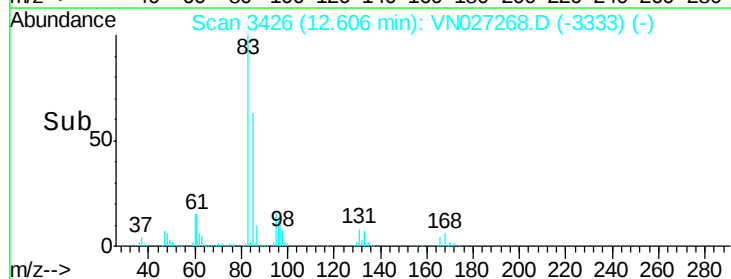
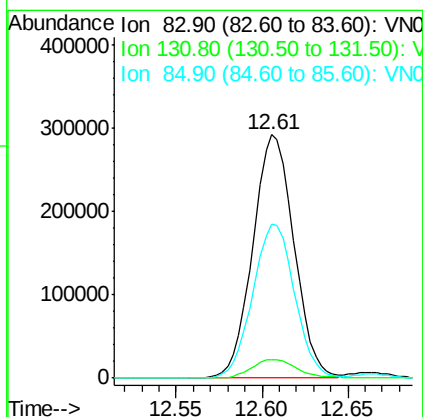
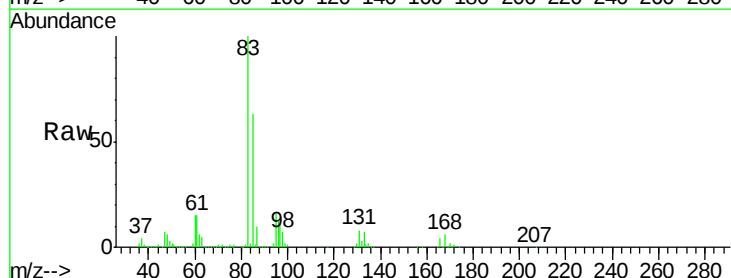
RT: 12.61 min Scan# 3426

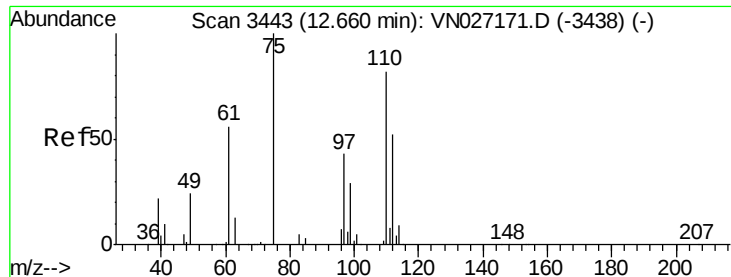
Delta R.T. 0.00 min

Lab File: VN027268.D

Acq: 17 Sep 2015 21:39

Tgt Ion	83	Resp	484166
Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.1	12.3
85	64.5	31.9	95.7





#77

1,2,3-Trichloropropane

Concen: 42.44 ug/l m

RT: 12.66 min Scan# 3443

Delta R.T. 0.00 min

Lab File: VN027268.D

Acq: 17 Sep 2015 21:39

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 422388

Ion Ratio Lower Upper

75 100

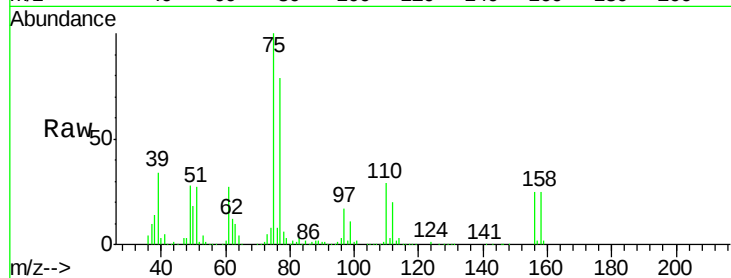
77 211.2 103.1 309.3

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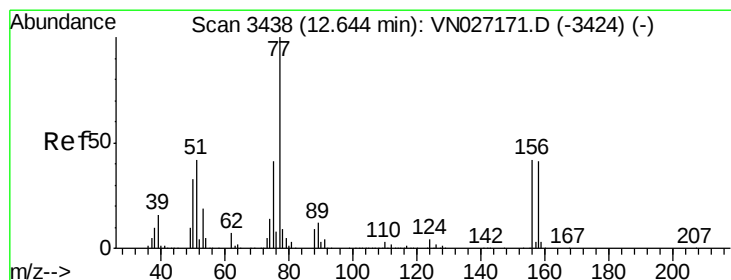
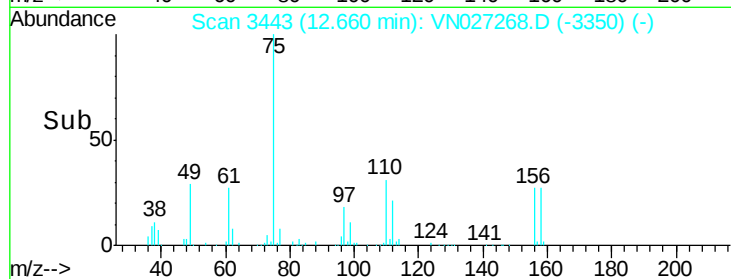
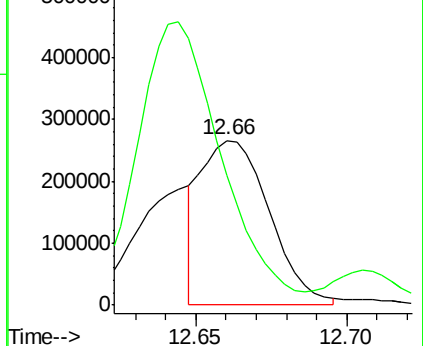
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Abundance Ion 74.90 (74.60 to 75.60): VN027171.D (-3438) (-)

Ion 77.00 (76.70 to 77.70): VN027171.D (-3438) (-)



#78

Bromobenzene

Concen: 46.70 ug/l

RT: 12.64 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VN027268.D

Acq: 17 Sep 2015 21:39

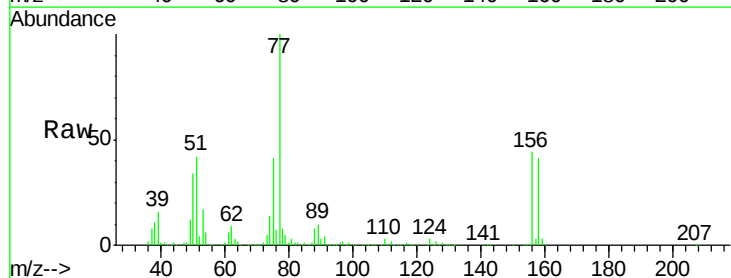
Tgt Ion: 156 Resp: 332380

Ion Ratio Lower Upper

156 100

77 268.3 127.3 381.9

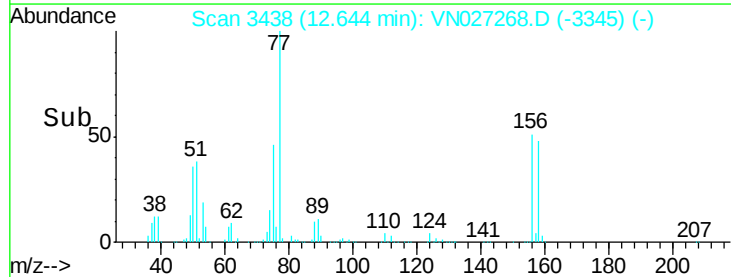
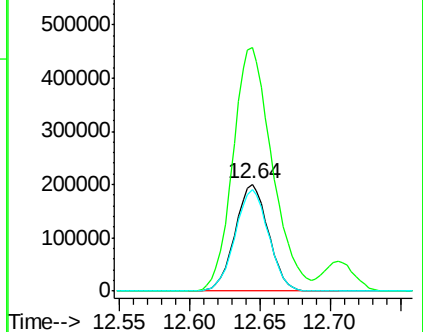
158 95.7 48.0 144.2

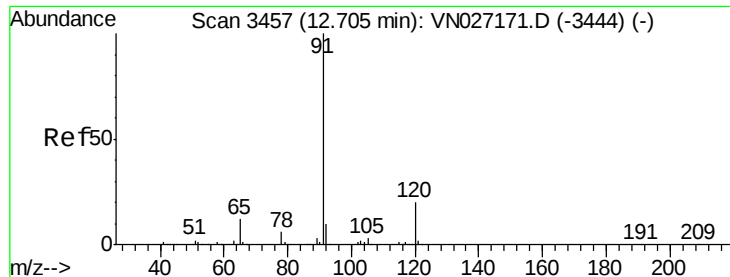


Abundance Ion 155.80 (155.50 to 156.50): VN027171.D (-3424) (-)

Ion 77.00 (76.70 to 77.70): VN027171.D (-3424) (-)

Ion 157.80 (157.50 to 158.50): VN027171.D (-3424) (-)





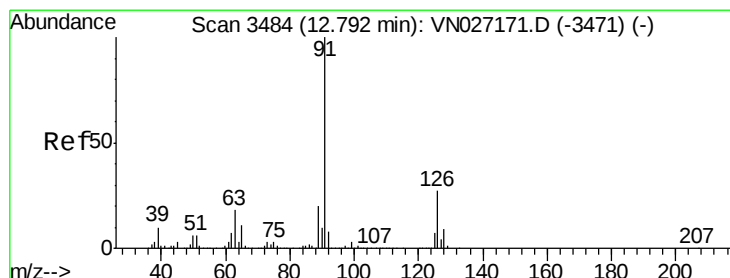
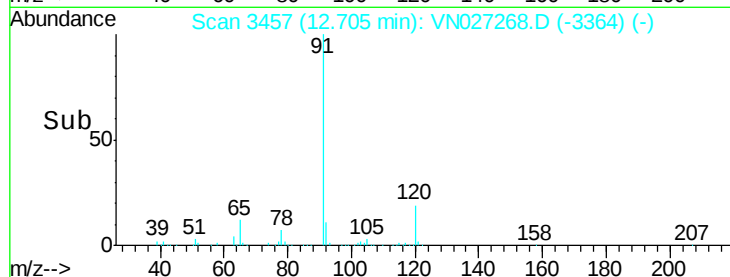
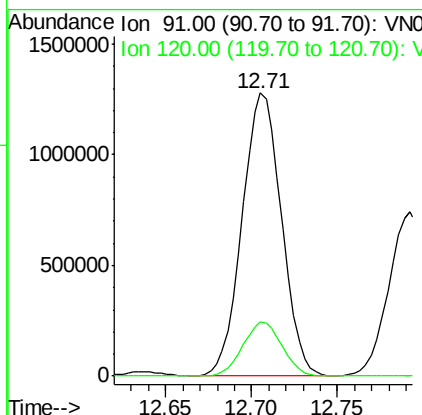
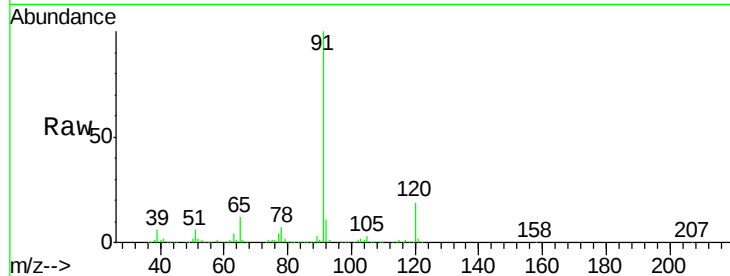
#79
n-propylbenzene
Concen: 47.38 ug/l
RT: 12.71 min Scan# 3457
Delta R.T. 0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2022953
Ion Ratio Lower Upper
91 100
120 19.2 10.3 30.8

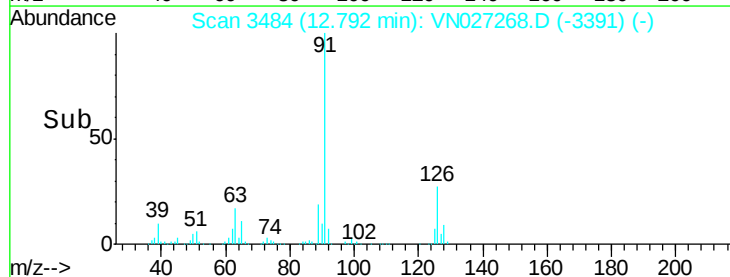
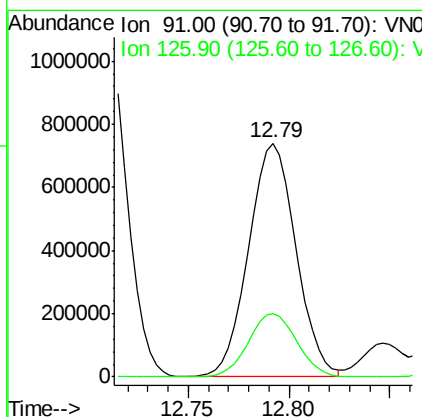
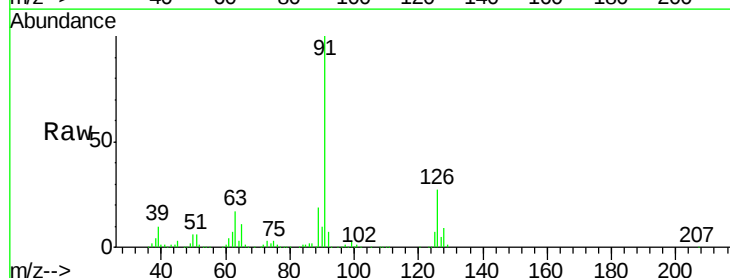
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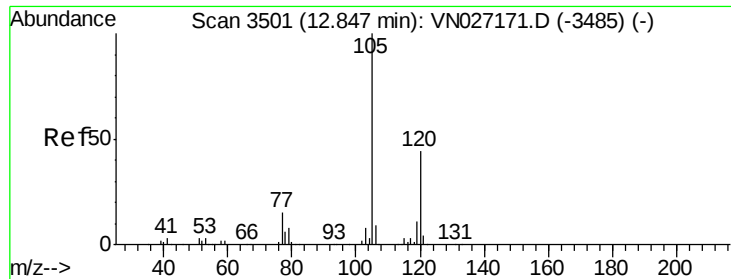
MMDadoda
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#80
2-Chlorotoluene
Concen: 47.42 ug/l
RT: 12.79 min Scan# 3484
Delta R.T. 0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

Tgt Ion: 91 Resp: 1215669
Ion Ratio Lower Upper
91 100
126 27.7 15.2 45.5





#81

1,3,5-Trimethylbenzene

Concen: 46.71 ug/l

RT: 12.85 min Scan# 3501

Delta R.T. 0.00 min

Lab File: VN027268.D

Acq: 17 Sep 2015 21:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1361808

Ion Ratio Lower Upper

105 100

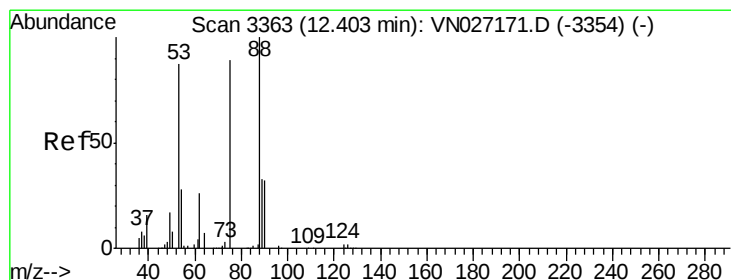
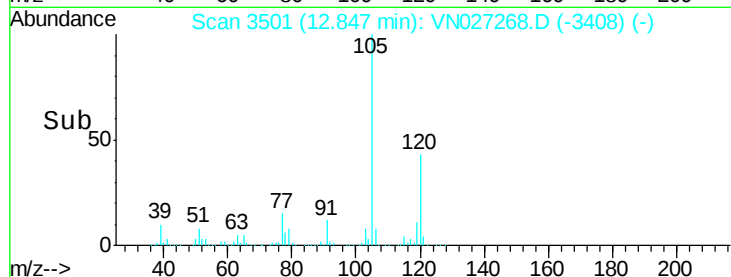
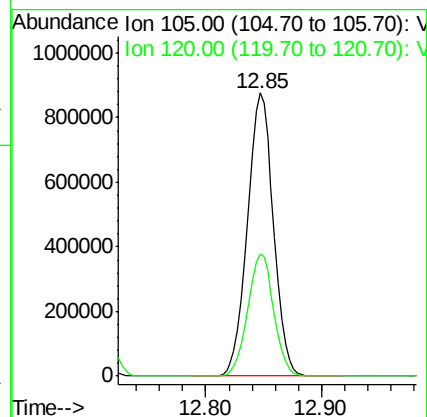
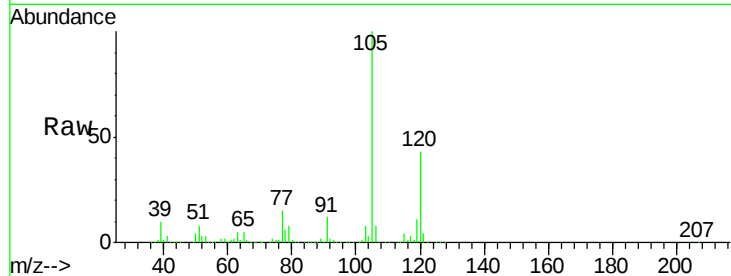
120 43.2 23.4 70.0

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#82

trans-1,4-Dichloro-2-butene

Concen: 41.74 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN027268.D

Acq: 17 Sep 2015 21:39

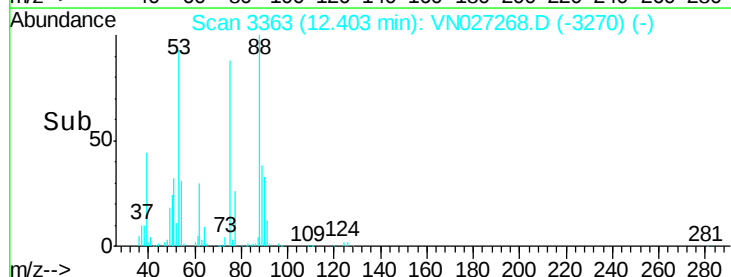
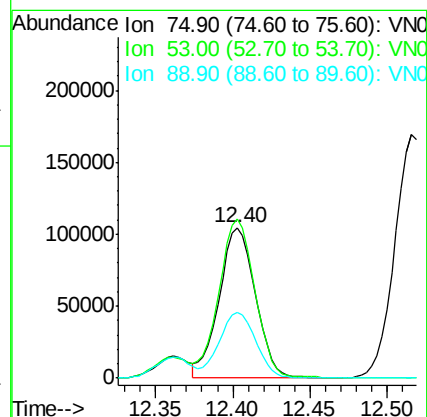
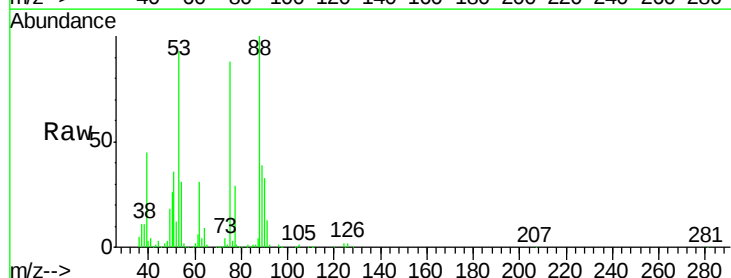
Tgt Ion: 75 Resp: 169122

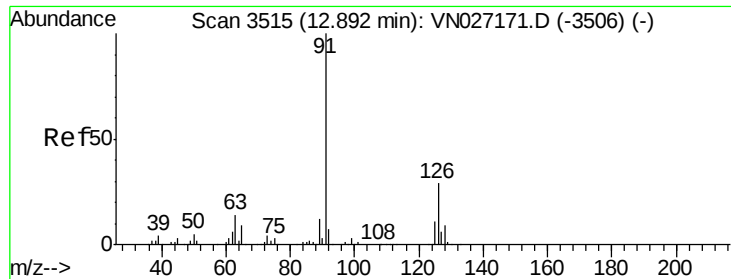
Ion Ratio Lower Upper

75 100

53 104.9 92.9 139.3

89 44.5 34.2 51.4





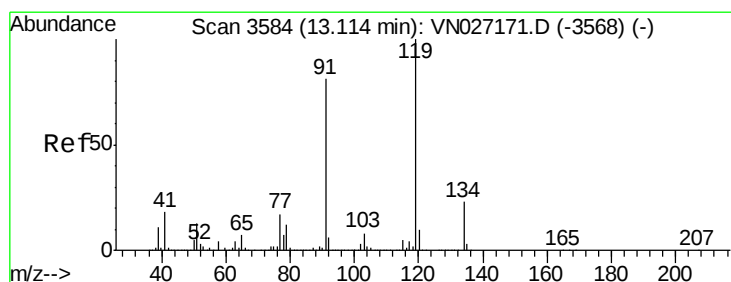
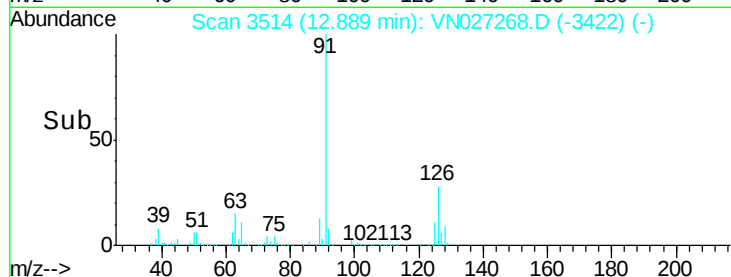
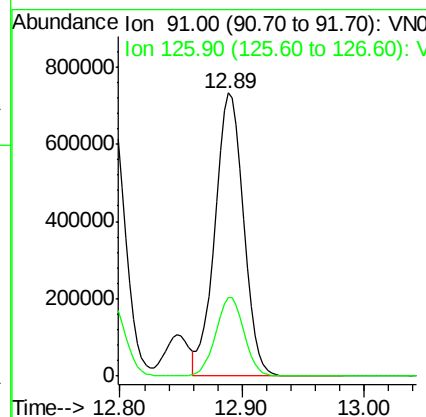
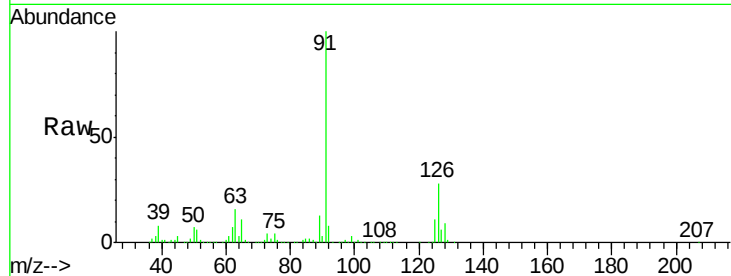
#83
4-Chlorotoluene
Concen: 47.79 ug/l
RT: 12.89 min Scan# 3514
Delta R.T. -0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1203699
Ion Ratio Lower Upper
91 100
126 27.4 14.9 44.5

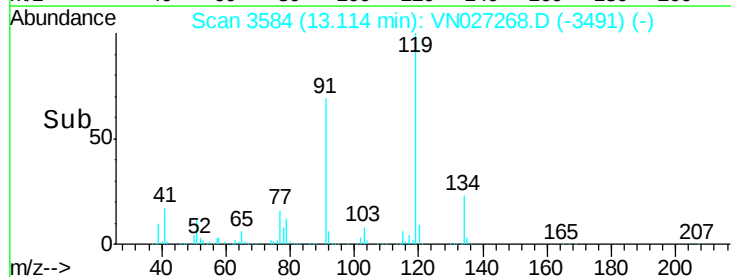
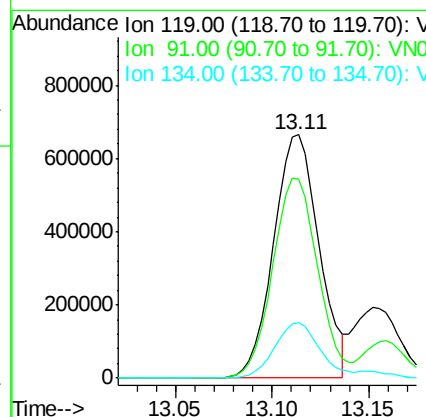
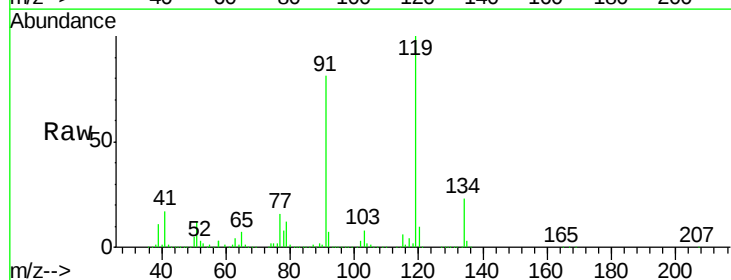
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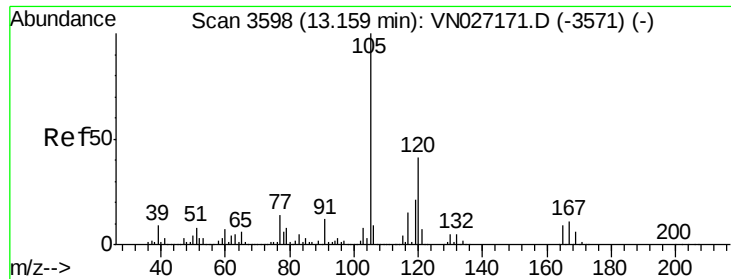
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#84
tert-Butylbenzene
Concen: 45.42 ug/l
RT: 13.11 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

Tgt Ion: 119 Resp: 1092539
Ion Ratio Lower Upper
119 100
91 81.2 34.6 103.8
134 22.8 11.4 34.2





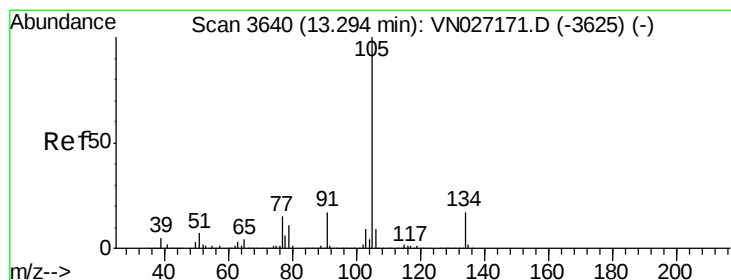
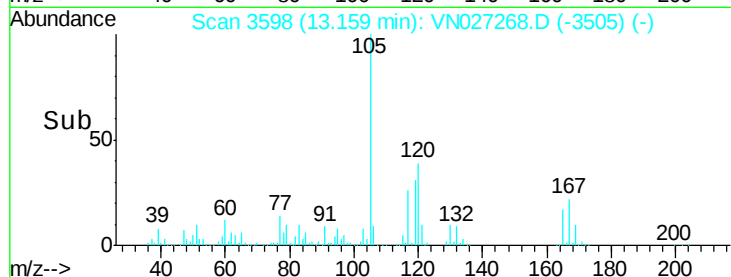
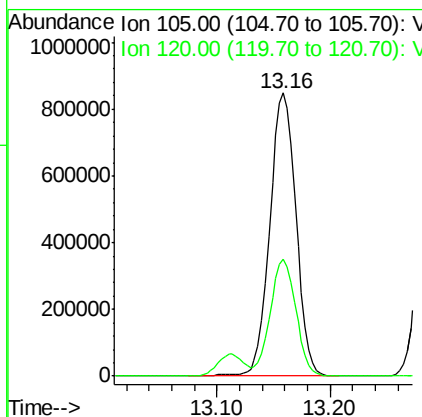
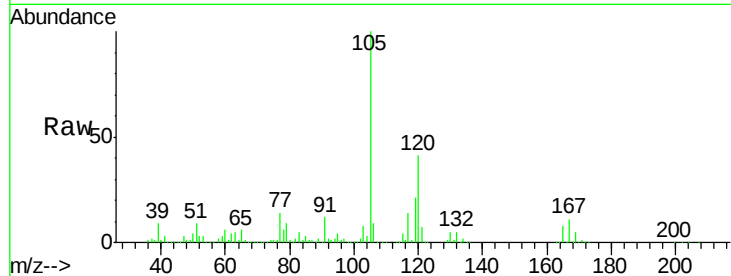
#85
 1,2,4-Trimethylbenzene
 Concen: 46.37 ug/l
 RT: 13.16 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN027268.D
 Acq: 17 Sep 2015 21:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1357952
 Ion Ratio Lower Upper
 105 100
 120 40.6 21.9 65.5

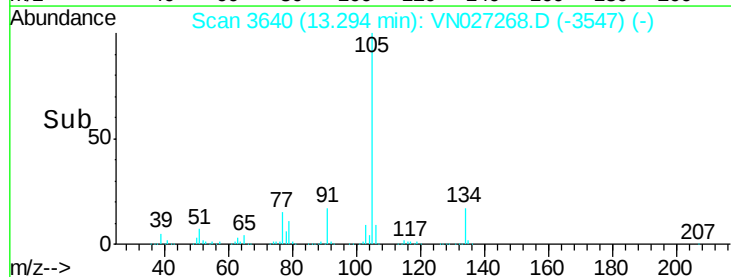
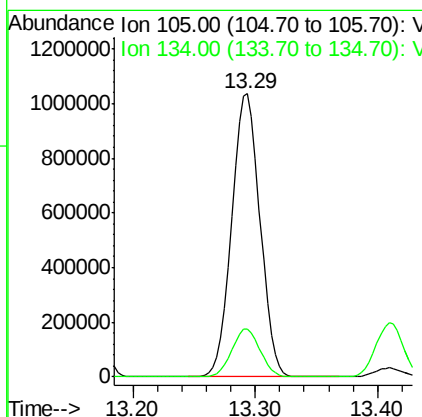
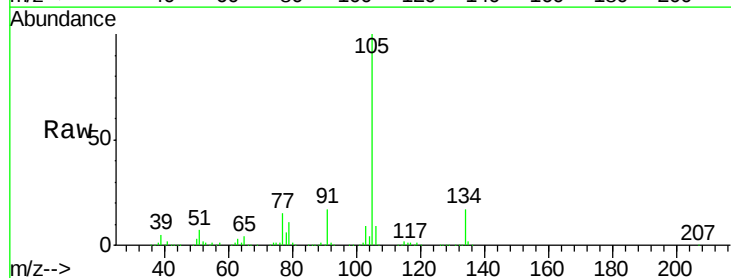
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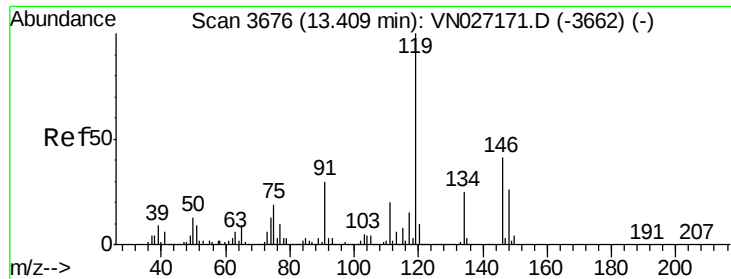
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#86
 sec-Butylbenzene
 Concen: 47.30 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN027268.D
 Acq: 17 Sep 2015 21:39

Tgt Ion:105 Resp: 1666813
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.8 26.4





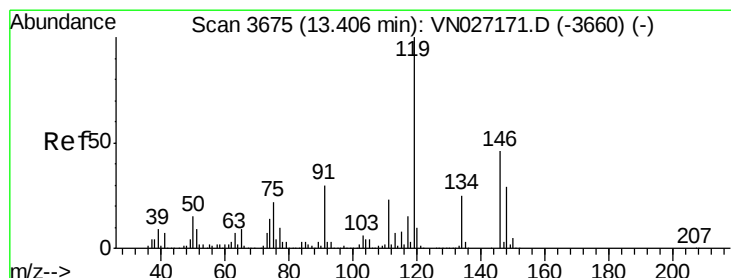
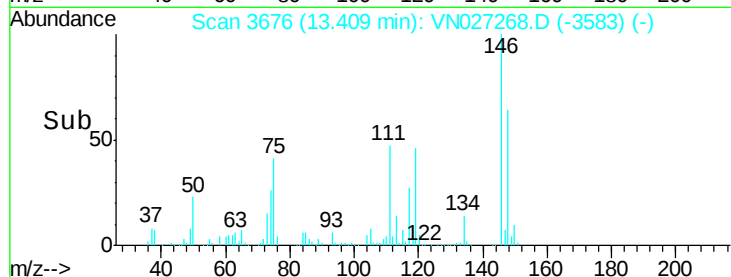
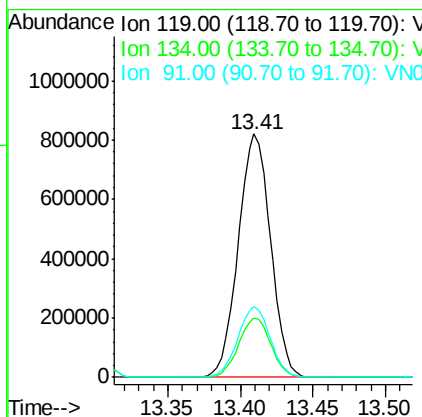
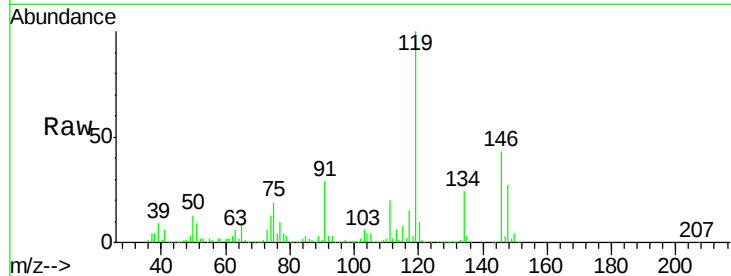
#87
p-Isopropyltoluene
Concen: 46.71 ug/l
RT: 13.41 min Scan# 3676
Delta R.T. 0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.2	12.4	37.0
91	29.0	12.0	36.1

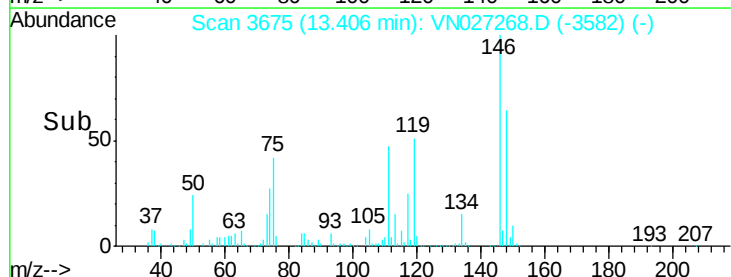
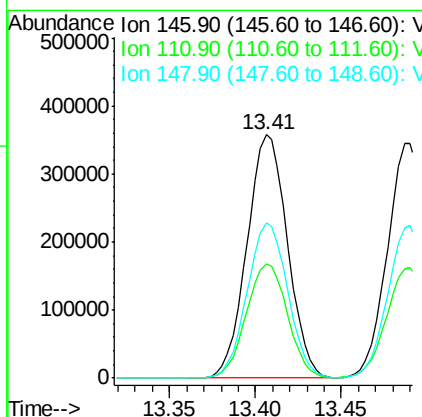
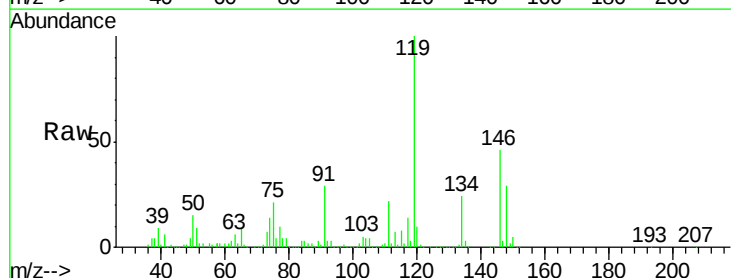
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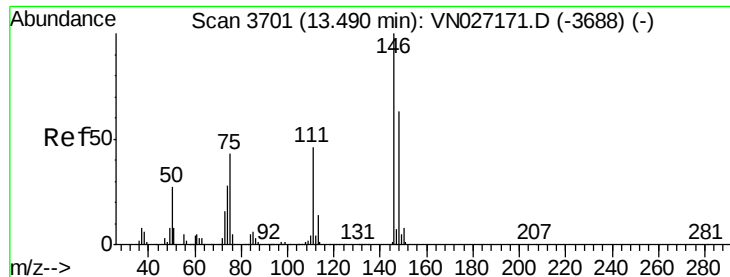
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#88
1,3-Dichlorobenzene
Concen: 47.92 ug/l
RT: 13.41 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN027268.D
Acq: 17 Sep 2015 21:39

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





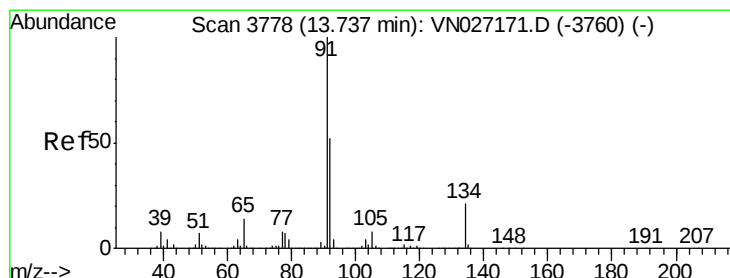
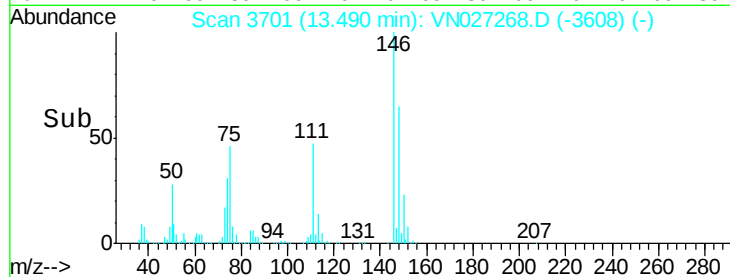
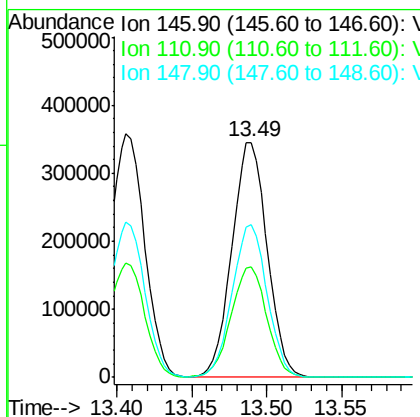
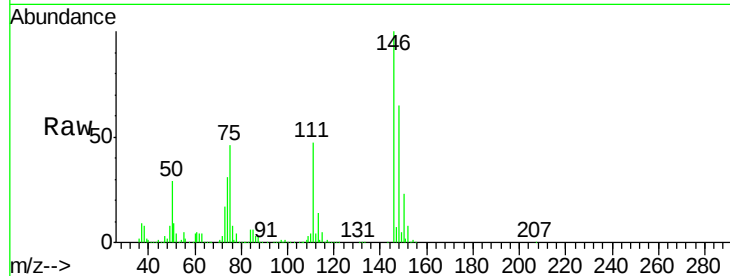
#89
 1,4-Dichlorobenzene
 Concen: 45.95 ug/l
 RT: 13.49 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VN027268.D
 Acq: 17 Sep 2015 21:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.8	19.9	59.6
148	64.4	31.7	95.1

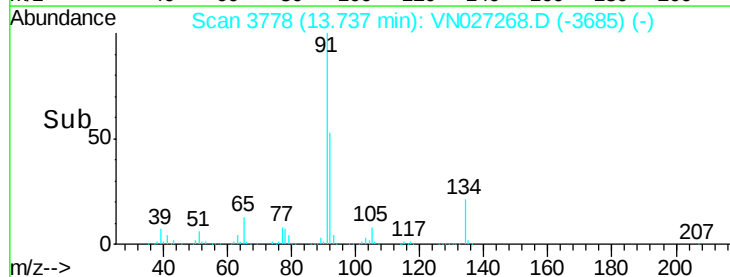
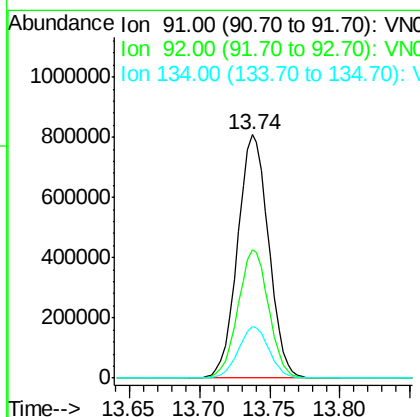
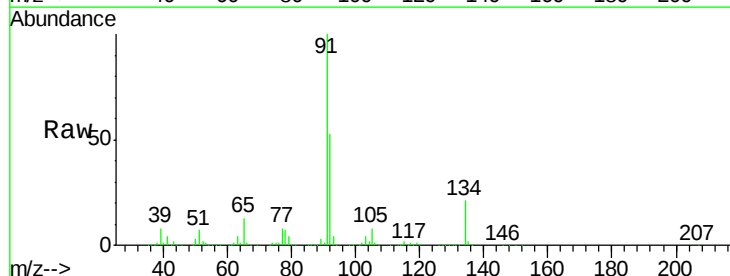
Manual Integrations
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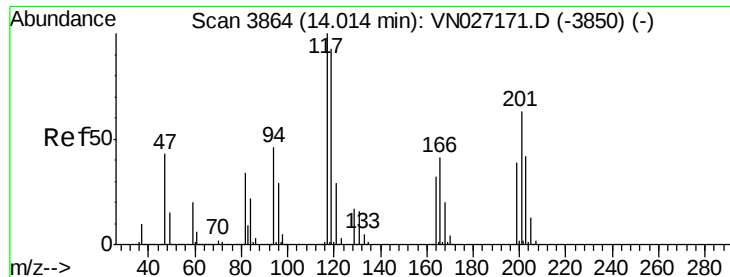
MMDadoda
 9/18/2015 12:23:52 PM



#90
 n-Butylbenzene
 Concen: 47.36 ug/l
 RT: 13.74 min Scan# 3778
 Delta R.T. 0.00 min
 Lab File: VN027268.D
 Acq: 17 Sep 2015 21:39

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.1	78.2
134	20.9	11.1	33.1





#91

Hexachloroethane

Concen: 44.68 ug/l

RT: 14.01 min Scan# 3864

Delta R.T. 0.00 min

Lab File: VN027268.D

Acq: 17 Sep 2015 21:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:117 Resp: 265388

Ion Ratio Lower Upper

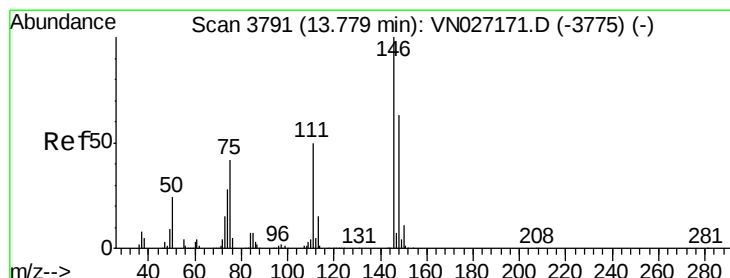
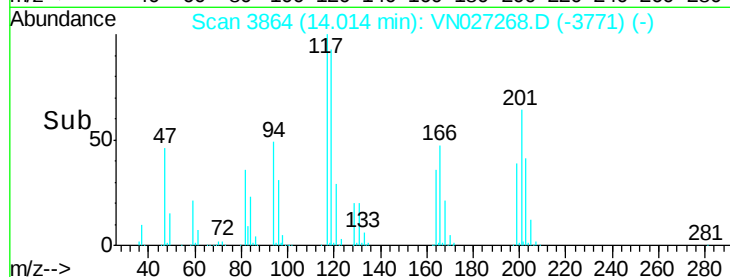
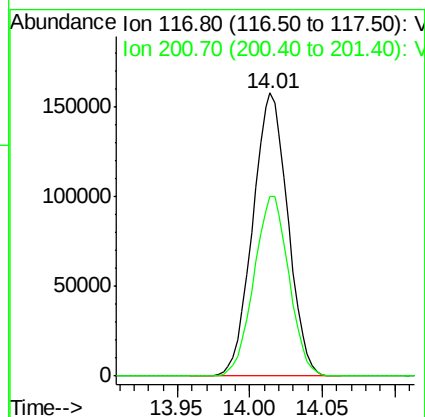
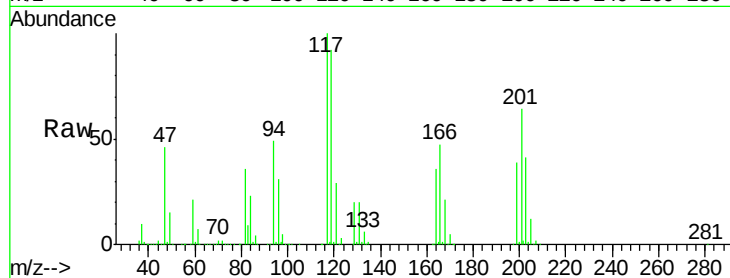
117 100

201 63.5 34.9 104.7

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#92

1,2-Dichlorobenzene

Concen: 48.11 ug/l

RT: 13.78 min Scan# 3791

Delta R.T. 0.00 min

Lab File: VN027268.D

Acq: 17 Sep 2015 21:39

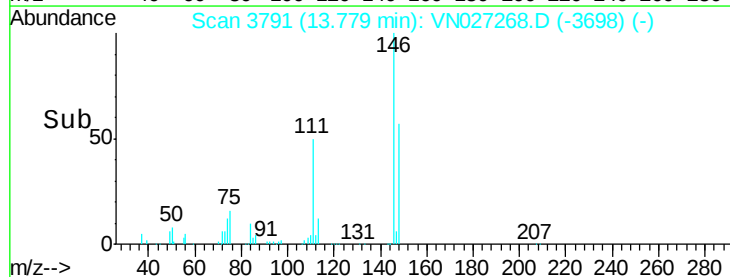
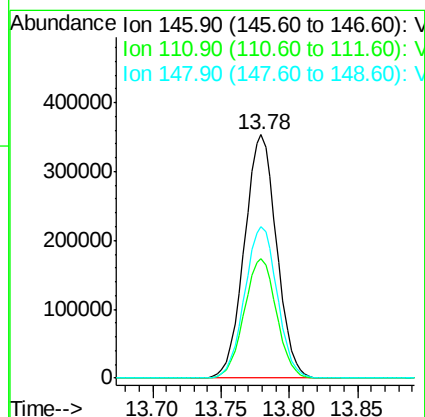
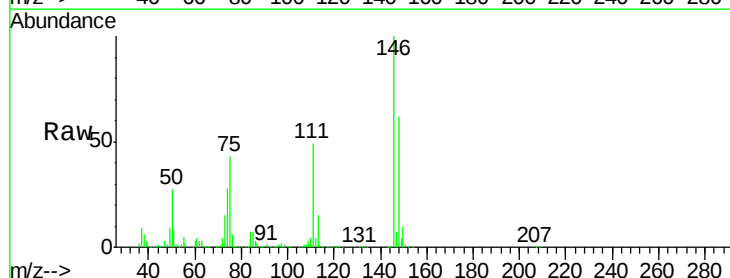
Tgt Ion:146 Resp: 579025

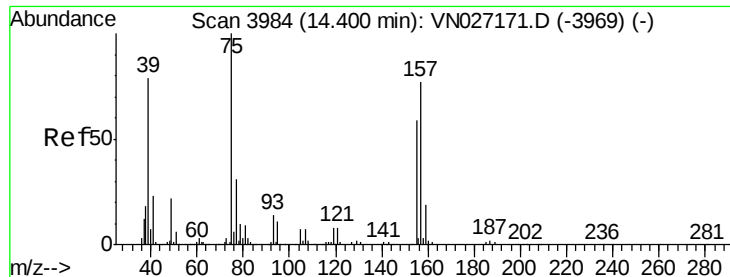
Ion Ratio Lower Upper

146 100

111 49.2 22.1 66.3

148 63.0 32.0 96.0





#93

1,2-Dibromo-3-Chloropropane

Concen: 47.03 ug/l

RT: 14.40 min Scan# 3984

Delta R.T. 0.00 min

Lab File: VN027268.D

Acq: 17 Sep 2015 21:39

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 97648

Ion Ratio Lower Upper

75 100

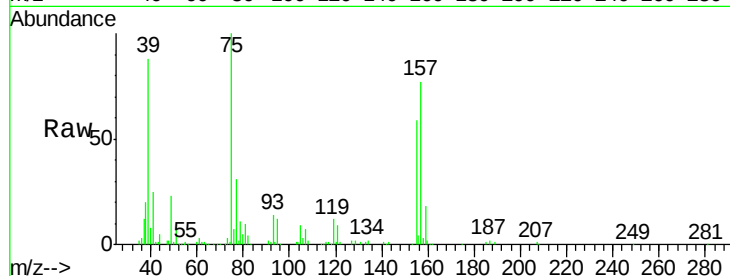
155 59.5 35.6 106.9

157 76.3 44.6 133.8

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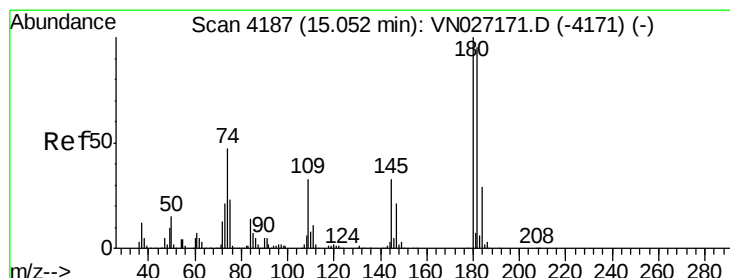
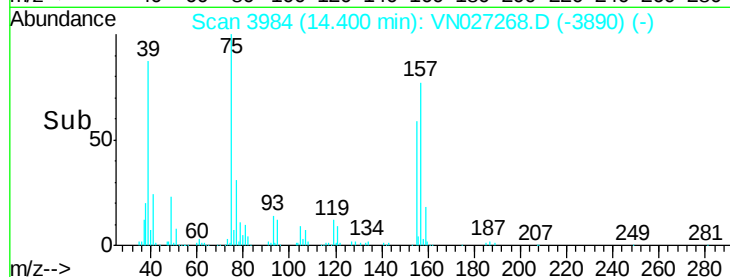
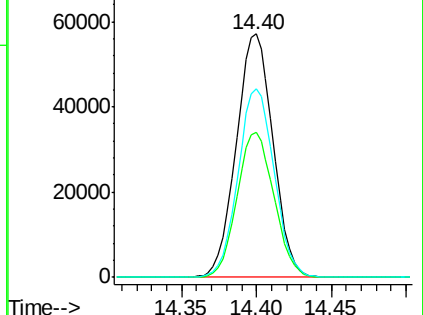
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Abundance Ion 74.90 (74.60 to 75.60): VN027171.D (-3969) (-)

Ion 154.80 (154.50 to 155.50): VN027171.D (-3969) (-)

Ion 156.80 (156.50 to 157.50): VN027171.D (-3969) (-)



#94

1,2,4-Trichlorobenzene

Concen: 48.54 ug/l

RT: 15.05 min Scan# 4187

Delta R.T. 0.00 min

Lab File: VN027268.D

Acq: 17 Sep 2015 21:39

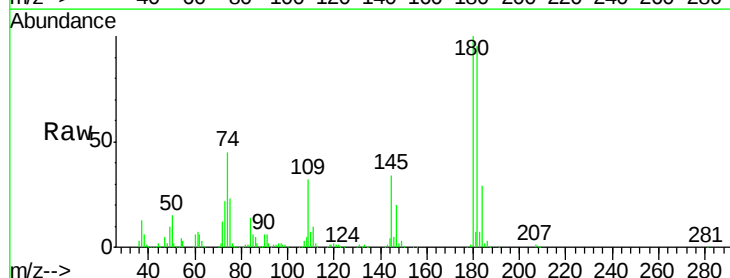
Tgt Ion: 180 Resp: 315564

Ion Ratio Lower Upper

180 100

182 93.1 47.5 142.5

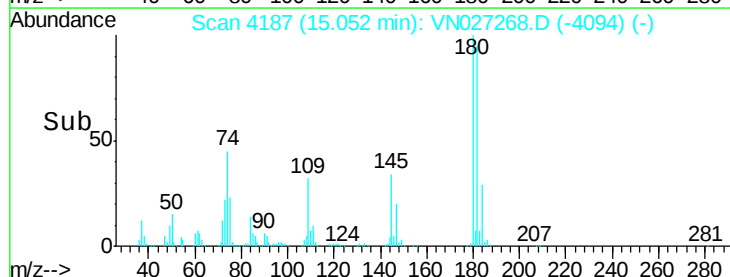
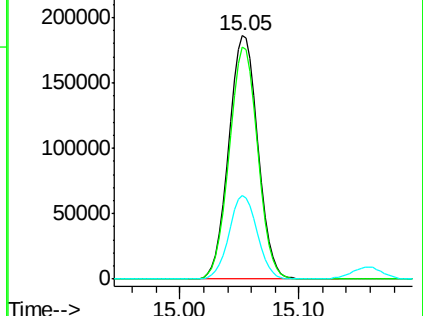
145 33.5 15.1 45.3

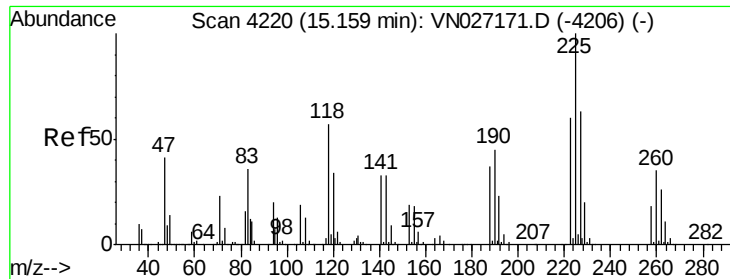


Abundance Ion 179.80 (179.50 to 180.50): VN027171.D (-4171) (-)

Ion 181.80 (181.50 to 182.50): VN027171.D (-4171) (-)

Ion 144.80 (144.50 to 145.50): VN027171.D (-4171) (-)





#95

Hexachlorobutadiene

Concen: 45.90 ug/l

RT: 15.16 min Scan# 4220

Delta R.T. 0.00 min

Lab File: VN027268.D

Acq: 17 Sep 2015 21:39

Instrument :

MSVOA_N

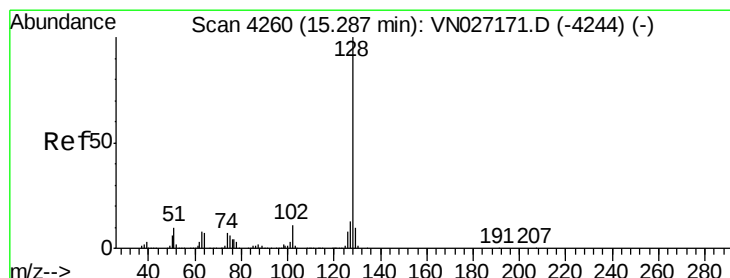
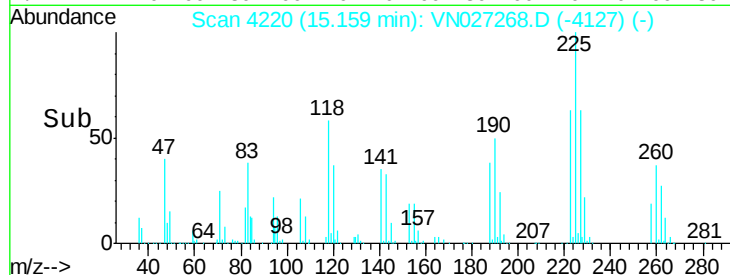
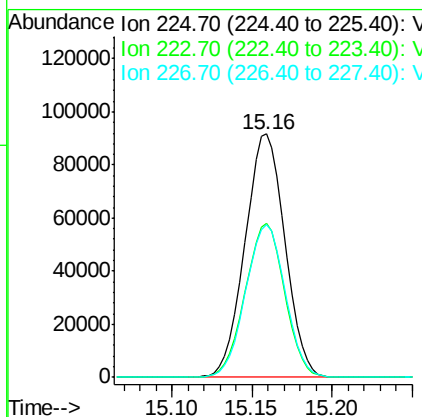
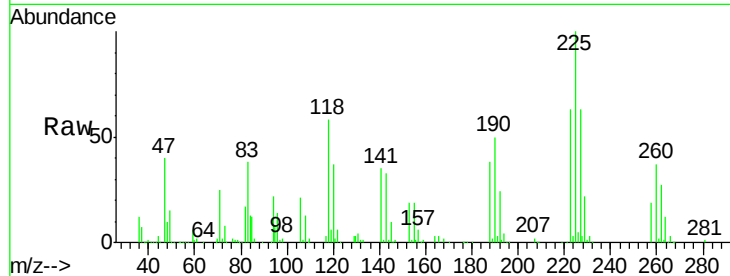
ClientSampleId :

VSTDCCC050

Tot Ion:	225	Resp:	157140
Ion Ratio		Lower	Upper
225	100		
223	62.3	30.8	92.3
227	62.1	31.7	95.1

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#96

Naphthalene

Concen: 48.20 ug/l

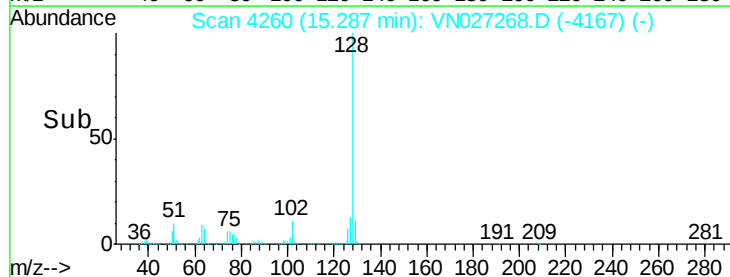
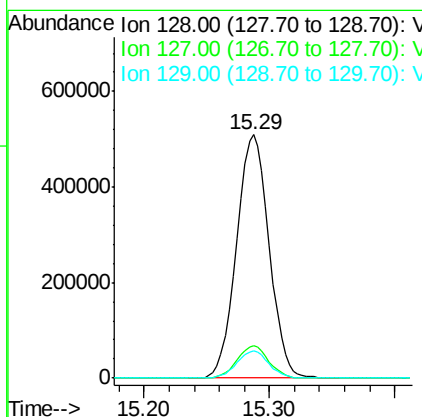
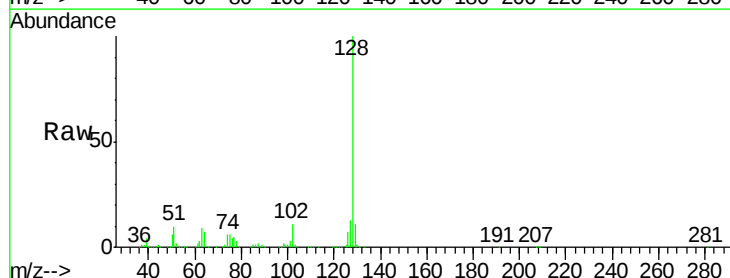
RT: 15.29 min Scan# 4260

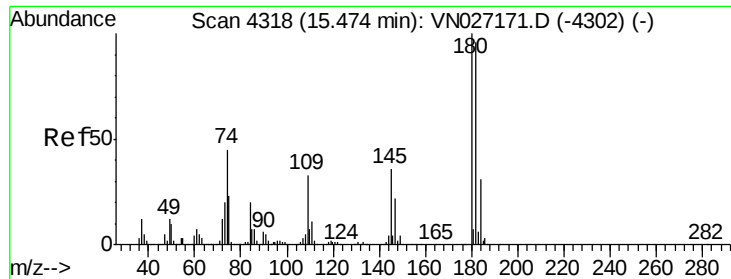
Delta R.T. 0.00 min

Lab File: VN027268.D

Acq: 17 Sep 2015 21:39

Tgt Ion:	128	Resp:	918703
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.6	12.8





#97
 1,2,3-Trichlorobenzene
 Concen: 48.16 ug/l
 RT: 15.47 min Scan# 4318
 Delta R.T. 0.00 min
 Lab File: VN027268.D
 Acq: 17 Sep 2015 21:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	97.5	48.8	146.4
145	34.7	16.6	49.8

Manual Integrations
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