

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
 Data File : VN027171.D
 Acq On : 15 Sep 2015 16:52
 Operator : MD\FY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 9/16/2015 11:46:44 AM

Quant Time: Sep 15 17:50:59 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 17:32:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	581183	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1081743	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	928820	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	362895	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	589843	77.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	154.90%	
36) Dibromofluoromethane	7.68	113	376312	56.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.48%	
51) Toluene-d8	10.19	98	1473542	55.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.28%	
63) 4-Bromofluorobenzene	12.52	95	530147	61.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	340577	73.40	ug/l	100
3) Chlorodifluoromethane	1.81	51	381285	59.65	ug/l	94
4) Chloromethane	2.01	50	382425	53.89	ug/l	100
5) Vinyl Chloride	2.14	62	396337	56.80	ug/l	98
6) Bromomethane	2.54	94	195390	50.53	ug/l	100
7) Chloroethane	2.68	64	266718	69.39	ug/l	98
8) Trichlorofluoromethane	3.02	101	607919	72.63	ug/l	98
9) Diethyl Ether	3.42	74	279530	74.44	ug/l	87
10) 1,1,2-Trichlorotrifluoroet	3.79	101	381227	66.42	ug/l	97
11) Methyl Iodide	3.99	142	404446	61.02	ug/l	92
12) Tert butyl alcohol	4.80	59	293225	539.45	ug/l	95
13) 1,1-Dichloroethene	3.77	96	364944	66.23	ug/l	94
14) Acrolein	3.62	56	345169	365.34	ug/l	96
15) Allyl chloride	4.37	41	747862	79.77	ug/l #	83
16) Acrylonitrile	5.02	53	1002917	384.51	ug/l	98
17) Acetone	3.82	43	872787	387.24	ug/l	96
18) Carbon Disulfide	4.11	76	1151260	66.67	ug/l	99
19) Methyl Acetate	4.36	43	1212639	81.63	ug/l	95
20) Methyl tert-butyl Ether	5.11	73	1473038	78.88	ug/l	97
21) Methylene Chloride	4.60	84	432612	64.44	ug/l	94
22) trans-1,2-Dichloroethene	5.12	96	387214	62.62	ug/l	94
23) Diisopropyl ether	6.04	45	1561226	77.05	ug/l	91
24) Vinyl Acetate	5.97	43	2782368	457.35	ug/l	98
25) 1,1-Dichloroethane	5.93	63	885732	77.08	ug/l	99
26) 2-Butanone	6.91	43	1290391	417.34	ug/l	98
27) 2,2-Dichloropropane	6.92	77	799404	88.12	ug/l	94
28) cis-1,2-Dichloroethene	6.92	96	460179	63.78	ug/l	94
29) Bromochloromethane	7.29	49	347030	62.76	ug/l	96
30) Tetrahydrofuran	7.31	42	815741	401.08	ug/l	92
31) Chloroform	7.46	83	826320	71.27	ug/l	99
32) Cyclohexane	7.77	56	827751	61.46	ug/l	92
33) 1,1,1-Trichloroethane	7.67	97	731811	74.56	ug/l	96
37) 1,1-Dichloropropene	7.89	75	633172	62.36	ug/l	99
38) Ethyl Acetate	7.02	43	564456	78.33	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	589486	61.44	ug/l	99
40) Methylcyclohexane	9.19	83	759275	61.80	ug/l	99
41) Benzene	8.14	78	1831794	58.45	ug/l	100
42) Methacrylonitrile	7.24	41	319011	68.42	ug/l #	90
43) 1,2-Dichloroethane	8.22	62	733887	68.12	ug/l	96
44) Isopropyl Acetate	8.25	43	1051599	80.59	ug/l	99
45) Trichloroethene	8.94	130	368889	48.31	ug/l	93
46) 1,2-Dichloropropane	9.22	63	520535	63.88	ug/l	99
47) Dibromomethane	9.31	93	303590	62.51	ug/l	93
48) Bromodichloromethane	9.50	83	657907	65.15	ug/l	99
49) Methyl methacrylate	9.29	41	520661	78.50	ug/l #	90
50) 1,4-Dioxane	9.30	88	118528	1241.97	ug/l	97
52) 4-Methyl-2-Pentanone	10.07	43	2689136	363.38	ug/l	99
53) Toluene	10.26	92	1066362	56.09	ug/l	98
54) t-1,3-Dichloropropene	10.47	75	749317	74.31	ug/l	97
55) cis-1,3-Dichloropropene	9.93	75	798989	68.18	ug/l	91
56) 1,1,2-Trichloroethane	10.66	97	407157	56.10	ug/l	99
57) Ethyl methacrylate	10.52	69	695235	70.87	ug/l #	92
58) 1,3-Dichloropropane	10.81	76	751771	62.55	ug/l	98
59) 2-Chloroethyl Vinyl ether	9.78	63	1599472	418.99	ug/l	97
60) 2-Hexanone	10.84	43	1881264	381.71	ug/l	99
61) Dibromochloromethane	11.00	129	418173	55.93	ug/l	99
62) 1,2-Dibromoethane	11.11	107	405149	58.36	ug/l	99
65) Tetrachloroethene	10.74	164	287755	43.40	ug/l	95
66) Chlorobenzene	11.54	112	1066443	52.70	ug/l	99
67) 1,1,1,2-Tetrachloroethane	11.62	131	371823	53.21	ug/l	98
68) Ethyl Benzene	11.62	91	2038664	59.91	ug/l	100
69) m/p-Xylenes	11.73	106	1419084	112.14	ug/l	91
70) o-Xylene	12.06	106	710803	57.08	ug/l	92
71) Styrene	12.07	104	1177805	58.84	ug/l	95
72) Bromoform	12.24	173	266081	54.98	ug/l	98
74) Isopropylbenzene	12.36	105	1908346	60.95	ug/l	99
75) N-amyl acetate	12.17	43	891397	93.02	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	555456	65.36	ug/l	99
77) 1,2,3-Trichloropropane	12.66	75	530211m	73.83	ug/l	
78) Bromobenzene	12.64	156	368886	48.88	ug/l	89
79) n-propylbenzene	12.71	91	2282791	66.25	ug/l	98
80) 2-Chlorotoluene	12.79	91	1358839	63.69	ug/l	95
81) 1,3,5-Trimethylbenzene	12.85	105	1536243	64.58	ug/l	96
82) trans-1,4-Dichloro-2-buten	12.40	75	219679	87.04	ug/l	90
83) 4-Chlorotoluene	12.89	91	1362735	66.02	ug/l	96
84) tert-Butylbenzene	13.11	119	1257514	59.05	ug/l	91
85) 1,2,4-Trimethylbenzene	13.16	105	1560544	65.06	ug/l	95
86) sec-Butylbenzene	13.29	105	1883671	64.06	ug/l	99
87) p-Isopropyltoluene	13.41	119	1449259	60.52	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	653613	50.10	ug/l	95
89) 1,4-Dichlorobenzene	13.49	146	650648	49.57	ug/l	95
90) n-Butylbenzene	13.74	91	1464373	70.53	ug/l	99
91) Hexachloroethane	14.01	117	309268	64.84	ug/l	94
92) 1,2-Dichlorobenzene	13.78	146	649479	50.43	ug/l	96

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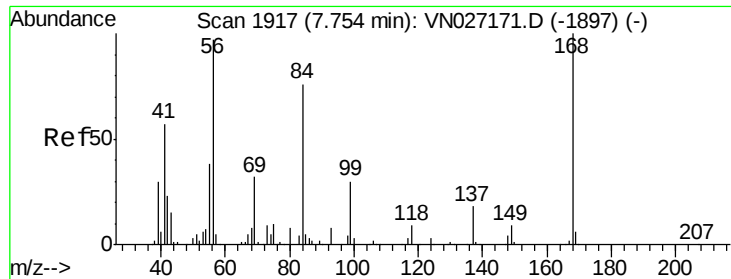
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	119890	94.74	ug/l	87
94) 1,2,4-Trichlorobenzene	15.05	180	370512	56.98	ug/l	98
95) Hexachlorobutadiene	15.16	225	186759	51.83	ug/l	99
96) Naphthalene	15.29	128	1115623	71.71	ug/l	100
97) 1,2,3-Trichlorobenzene	15.47	180	366806	56.82	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 581183

Ion Ratio Lower Upper

168 100

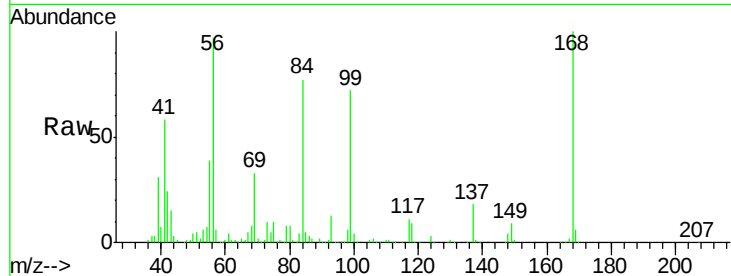
99 72.0 50.4 75.6

Manual Integrations

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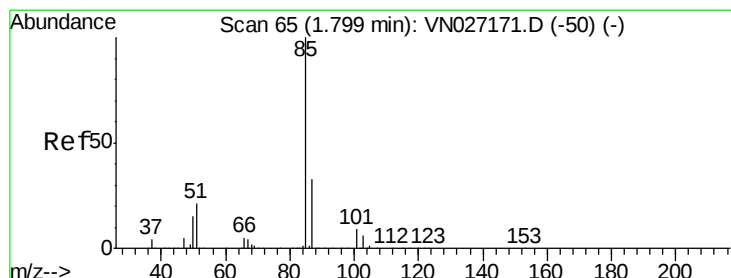
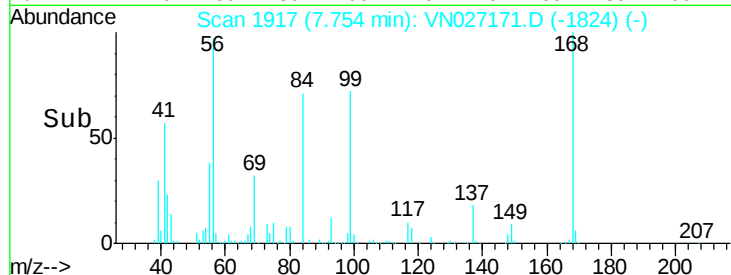
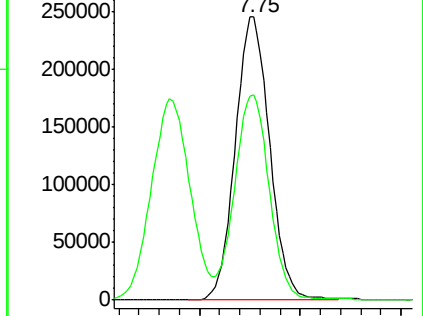
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 73.40 ug/l

RT: 1.80 min Scan# 65

Delta R.T. 0.00 min

Lab File: VN027171.D

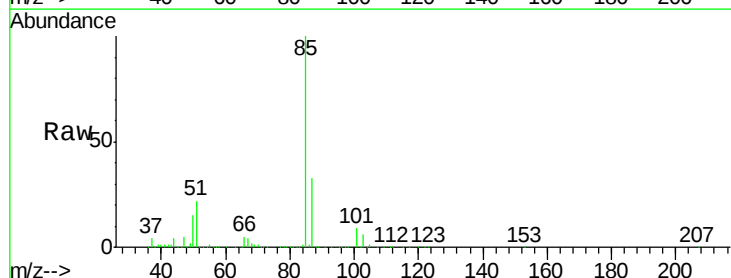
Acq: 15 Sep 2015 16:52

Tgt Ion: 85 Resp: 340577

Ion Ratio Lower Upper

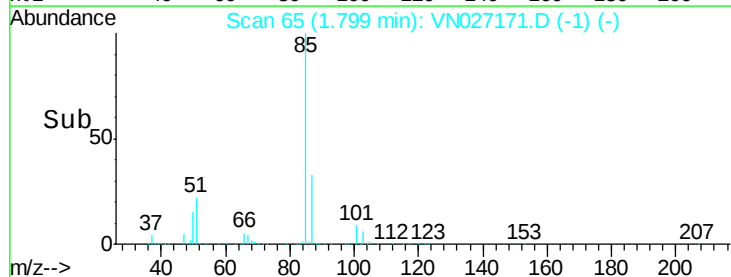
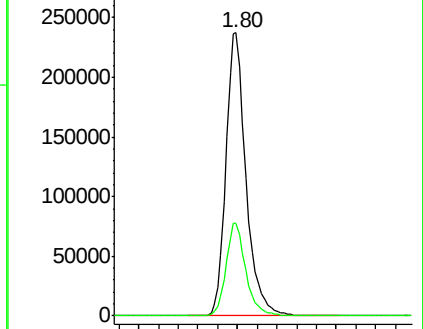
85 100

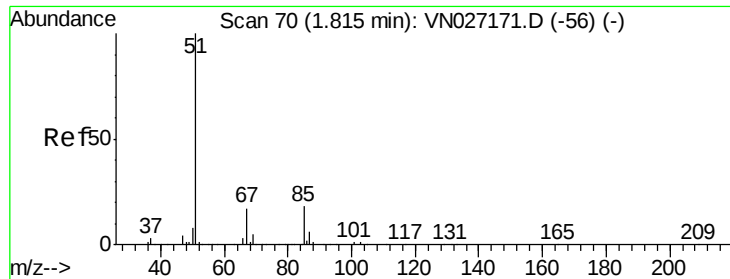
87 32.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chlorodifluoromethane

Concen: 59.65 ug/l

RT: 1.81 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

Tot Ion: 51 Resp: 381285

Ion Ratio Lower Upper

51 100

67 17.6 12.2 18.2

Instrument :

MSVOA_N

ClientSampleId :

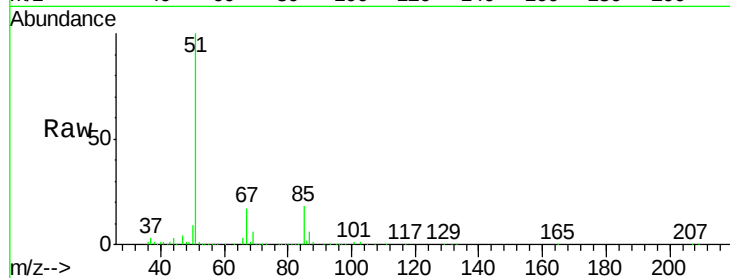
VSTDICCC050

Manual Integrations

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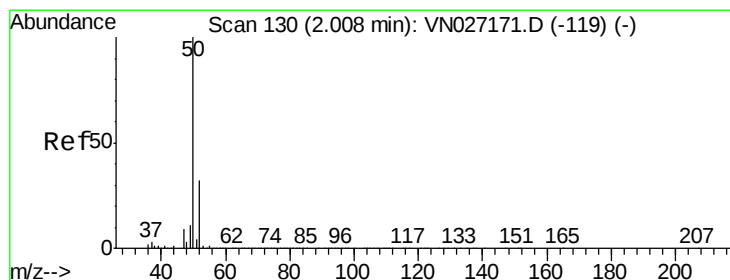
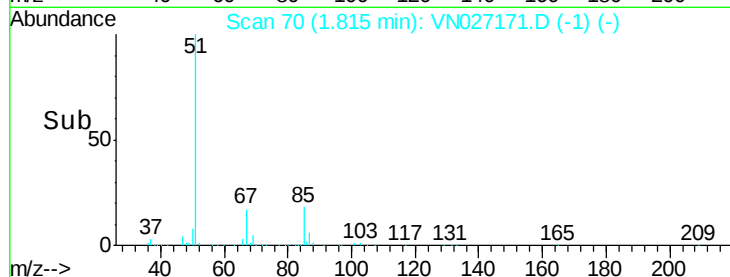
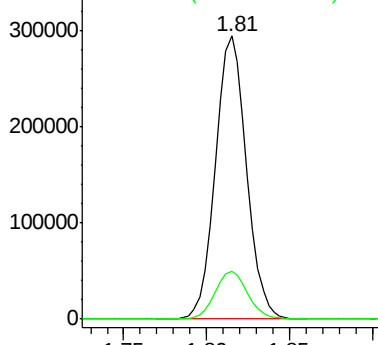
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Abundance Ion 51.00 (50.70 to 51.70): VNO

Ion 67.00 (66.70 to 67.70): VNO



#4

Chloromethane

Concen: 53.89 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027171.D

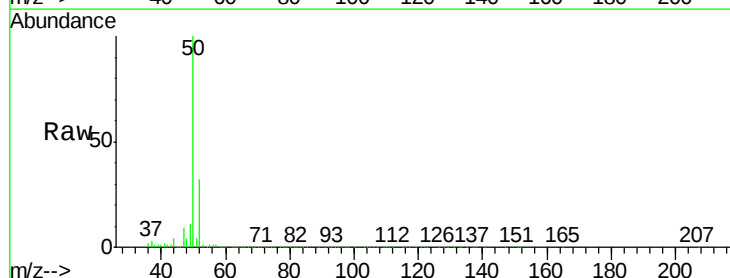
Acq: 15 Sep 2015 16:52

Tgt Ion: 50 Resp: 382425

Ion Ratio Lower Upper

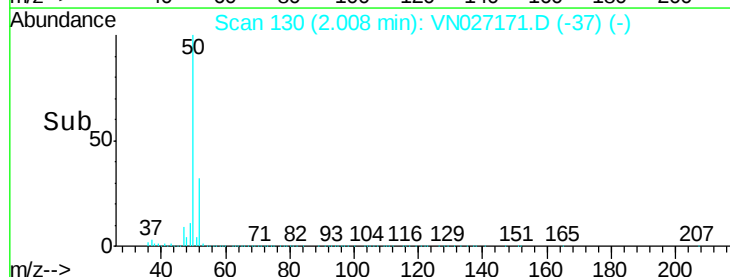
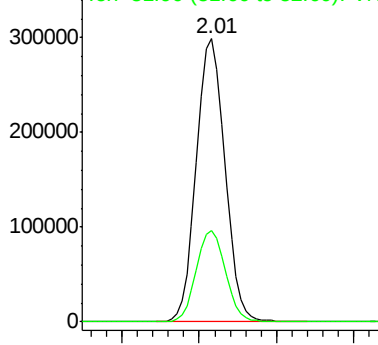
50 100

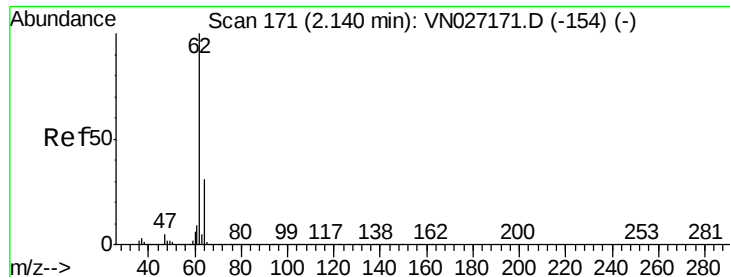
52 32.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Vinyl Chloride

Concen: 56.80 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 62 Resp: 396337

Ion Ratio Lower Upper

62 100

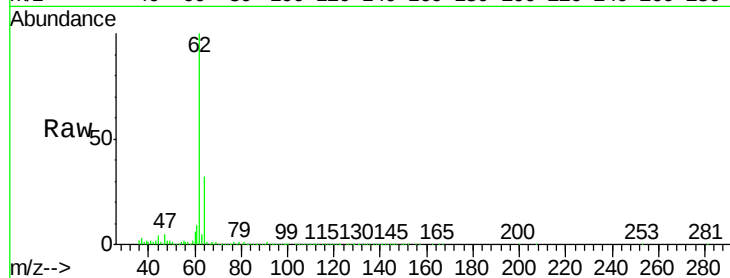
64 31.4 25.9 38.9

Manual Integrations

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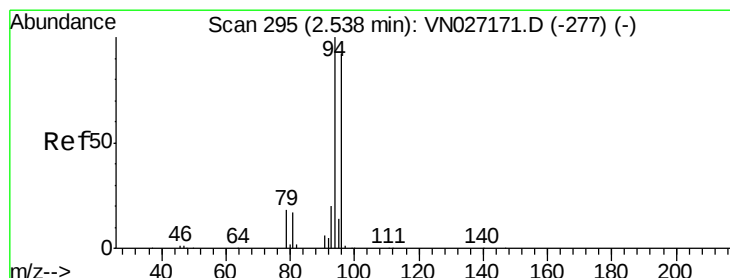
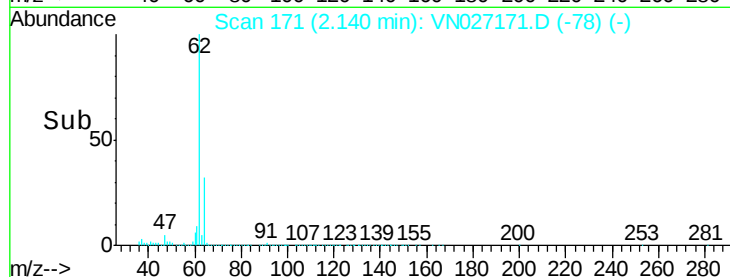
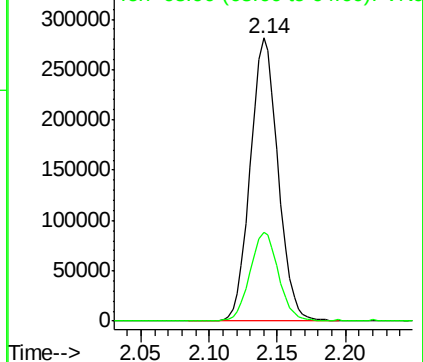
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Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC



#6

Bromomethane

Concen: 50.53 ug/l

RT: 2.54 min Scan# 295

Delta R.T. 0.00 min

Lab File: VN027171.D

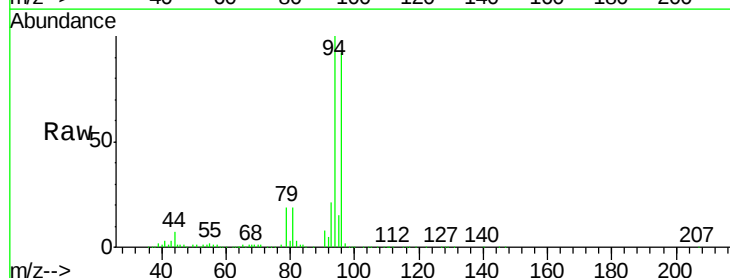
Acq: 15 Sep 2015 16:52

Tgt Ion: 94 Resp: 195390

Ion Ratio Lower Upper

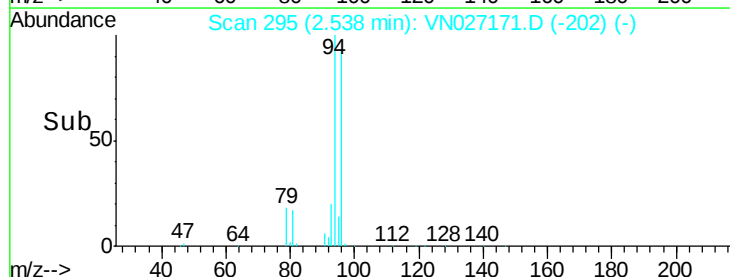
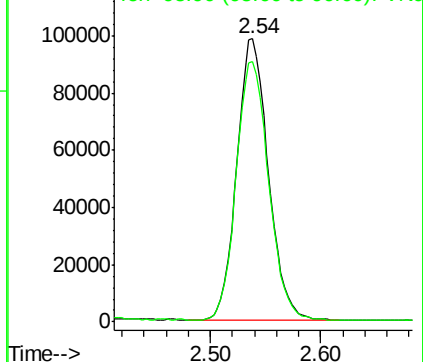
94 100

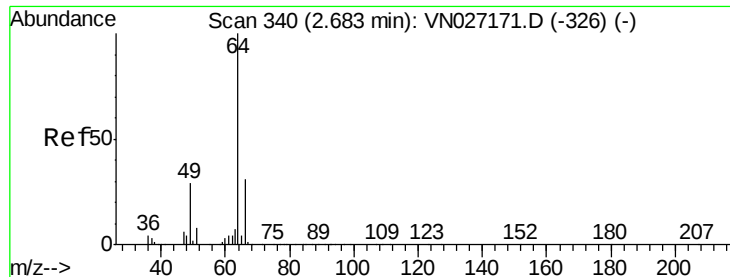
96 92.0 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC





#7

Chloroethane

Concen: 69.39 ug/l

RT: 2.68 min Scan# 340

Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 64 Resp: 266718

Ion Ratio Lower Upper

64 100

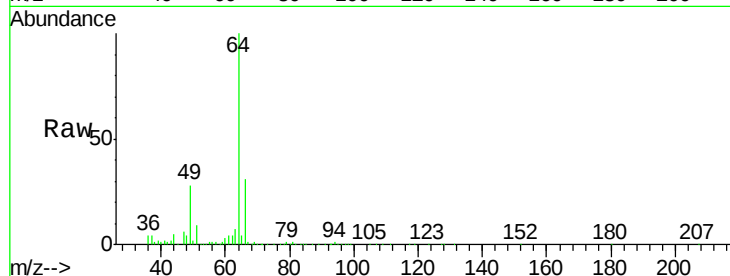
66 30.8 25.5 38.3

Manual Integrations

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Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

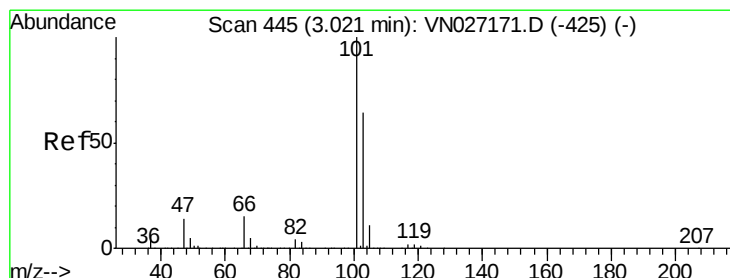
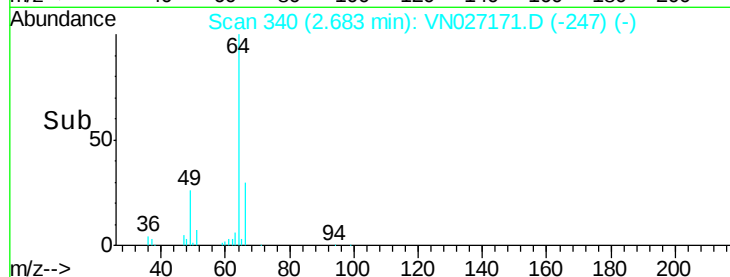
150000

100000

50000

0

Time--> 2.60 2.65 2.70 2.75 2.80



#8

Trichlorofluoromethane

Concen: 72.63 ug/l

RT: 3.02 min Scan# 445

Delta R.T. 0.00 min

Lab File: VN027171.D

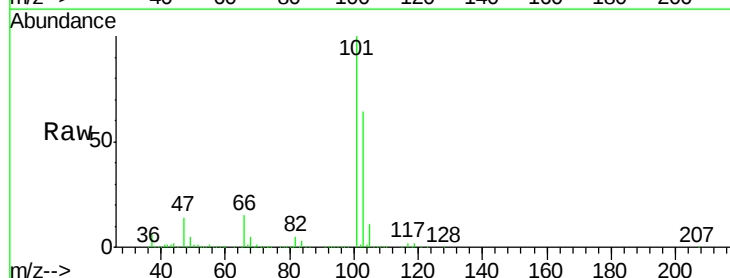
Acq: 15 Sep 2015 16:52

Tgt Ion:101 Resp: 607919

Ion Ratio Lower Upper

101 100

103 64.3 52.6 79.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.02

300000

250000

200000

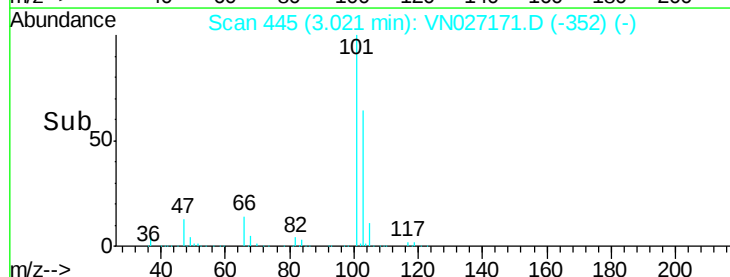
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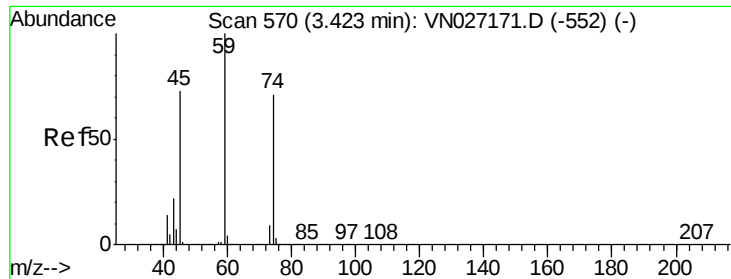
100000

50000

0

Time--> 2.90 3.00 3.10





#9

Diethyl Ether

Concen: 74.44 ug/l

RT: 3.42 min Scan# 570

Delta R.T. 0.00 min

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Acq: 15 Sep 2015 16:52

Instrument :

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ClientSampled :

VSTDICCC050

Tot Ion: 74 Resp: 279530

Ion Ratio Lower Upper

74 100

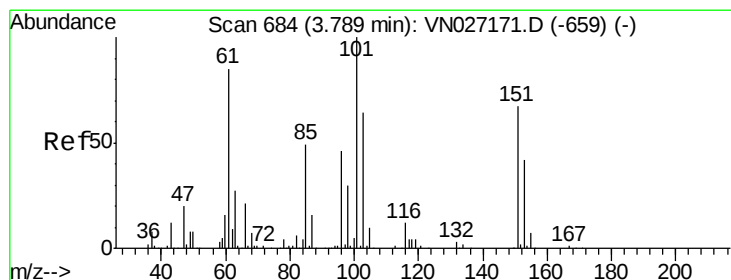
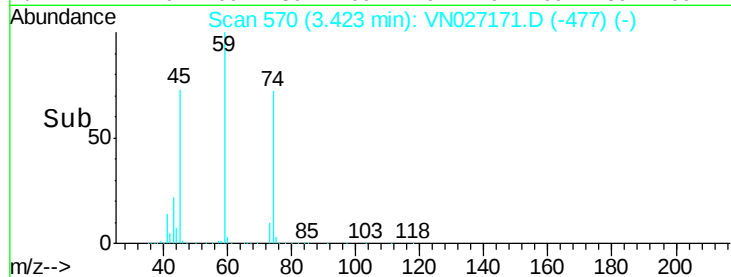
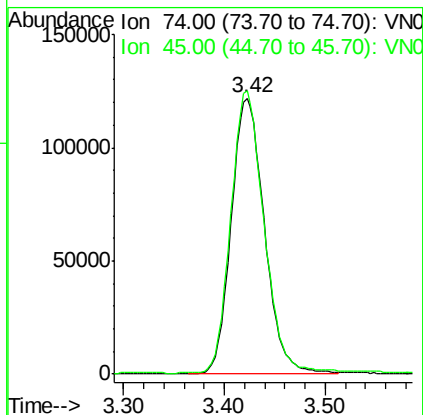
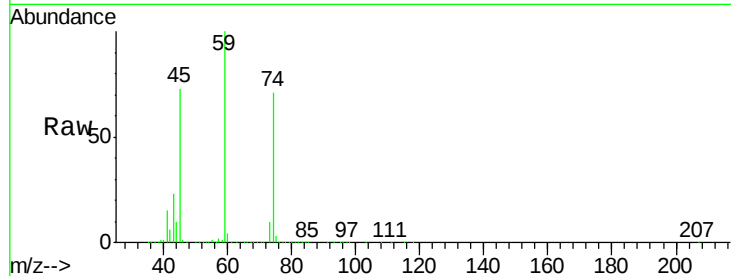
45 102.2 58.1 174.3

Manual Integrations

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9/16/2015 11:46:44 AM



#10

1,1,2-Trichlorotrifluoroethane

Concen: 66.42 ug/l

RT: 3.79 min Scan# 684

Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

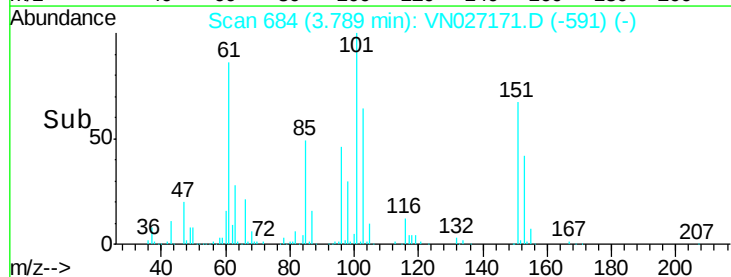
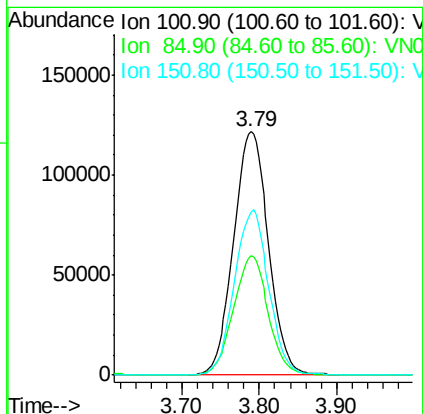
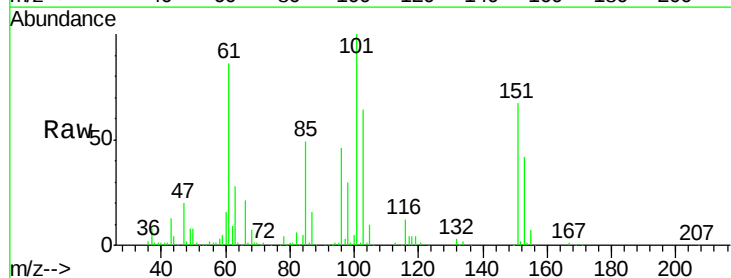
Tgt Ion: 101 Resp: 381227

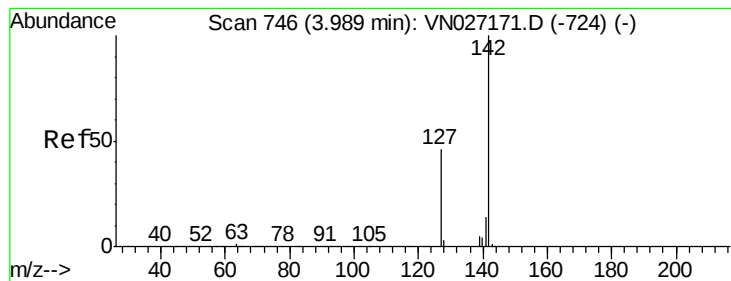
Ion Ratio Lower Upper

101 100

85 48.3 37.4 56.0

151 66.7 55.9 83.9





#11

Methvl Iodide

Concen: 61.02 ug/l

RT: 3.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

Instrument :

MSVOA_N

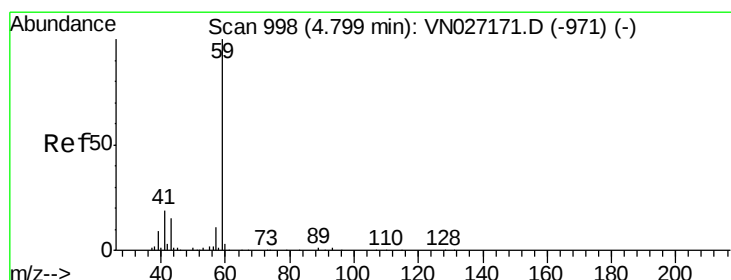
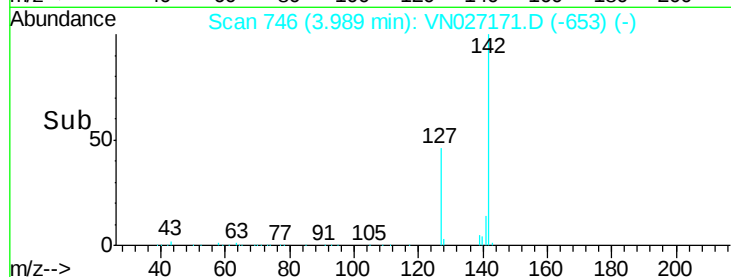
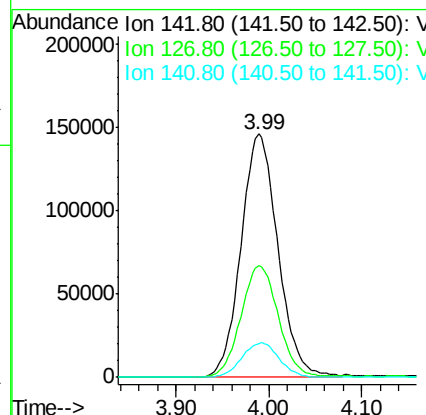
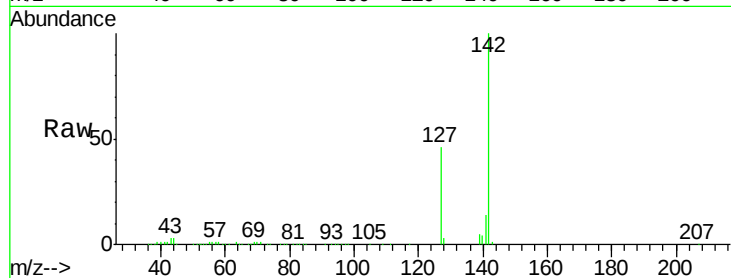
ClientSampleId :

VSTDICCC050

Tot Ion:	142	Resp:	404446
Ion Ratio	Lower	Upper	
142	100		
127	46.9	32.3	48.5
141	14.4	11.2	16.8

Manual Integrations
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#12

Tert butyl alcohol

Concen: 539.45 ug/l

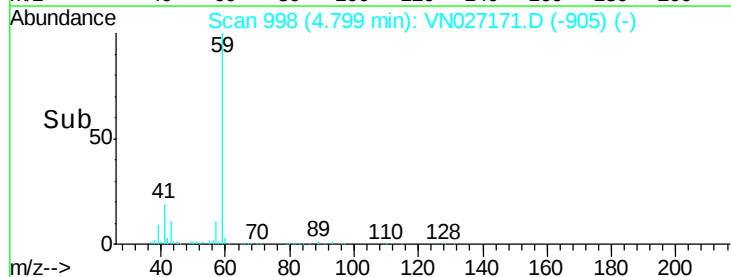
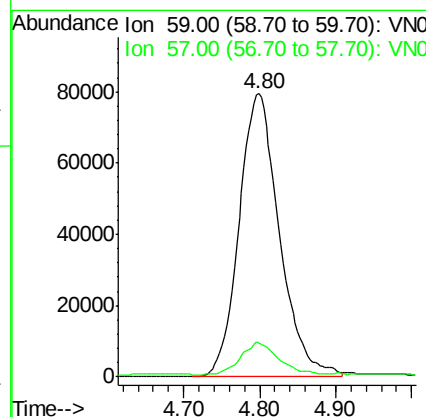
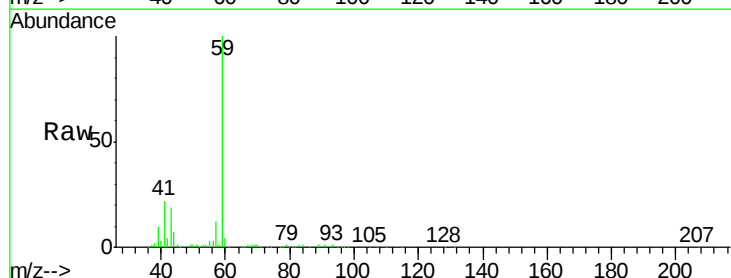
RT: 4.80 min Scan# 998

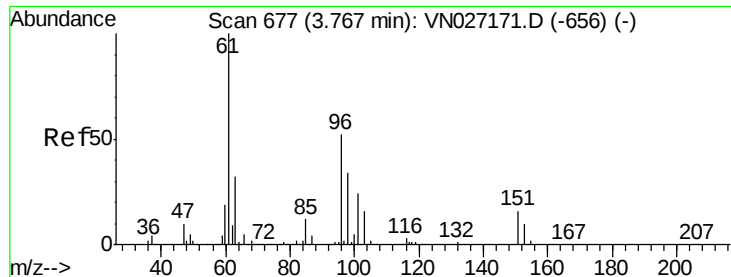
Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

Tgt Ion:	59	Resp:	293225
Ion Ratio	Lower	Upper	
59	100		
57	11.4	7.6	11.4





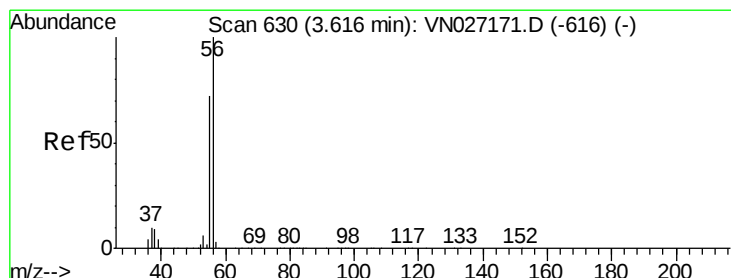
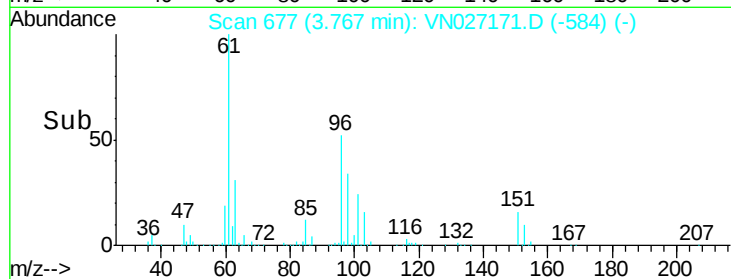
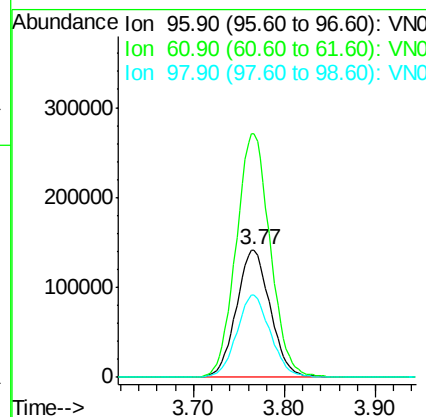
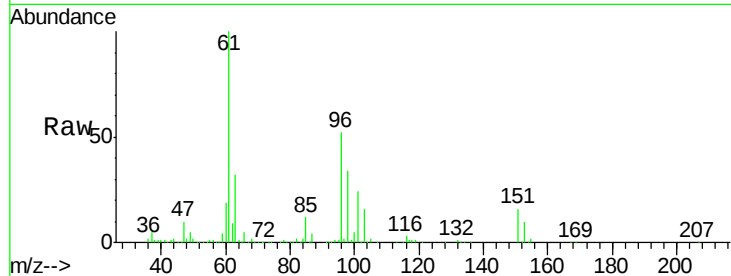
#13
 1,1-Dichloroethene
 Concen: 66.23 ug/l
 RT: 3.77 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VN027171.D
 Acq: 15 Sep 2015 16:52

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	190.9	143.8	215.8	
98	64.0	50.3	75.5	

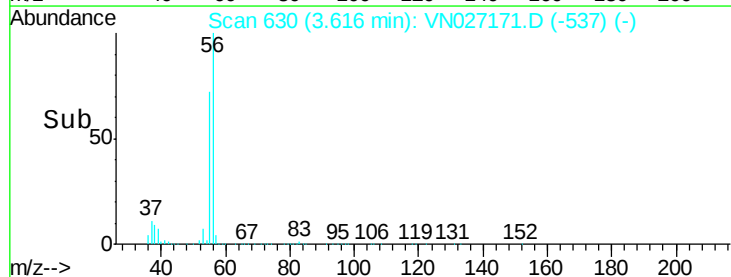
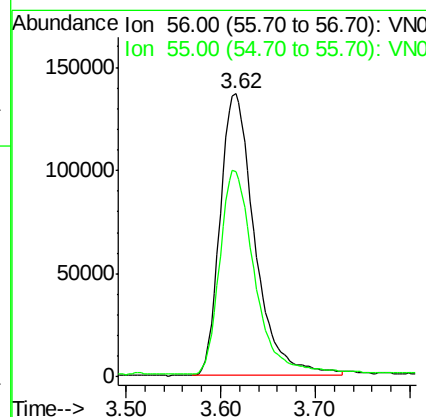
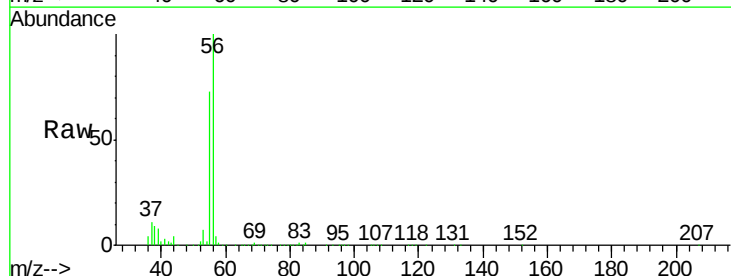
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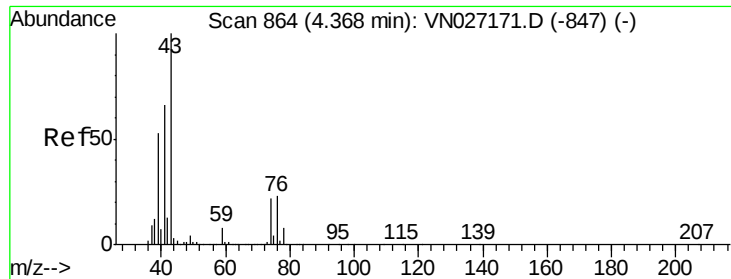
MMDadoda
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#14
 Acrolein
 Concen: 365.34 ug/l
 RT: 3.62 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VN027171.D
 Acq: 15 Sep 2015 16:52

Tgt Ion	Ratio	Resp	Lower	Upper
56	100			
55	73.1	55.7	83.5	





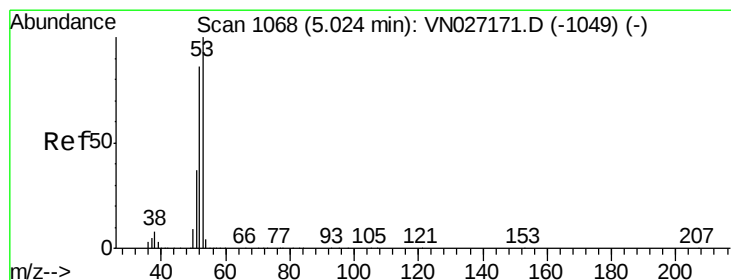
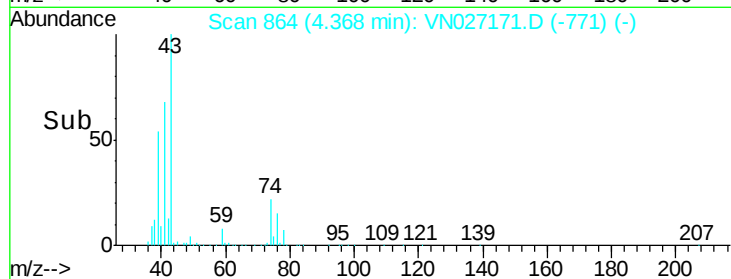
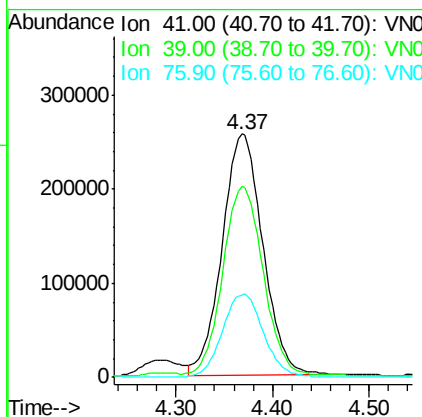
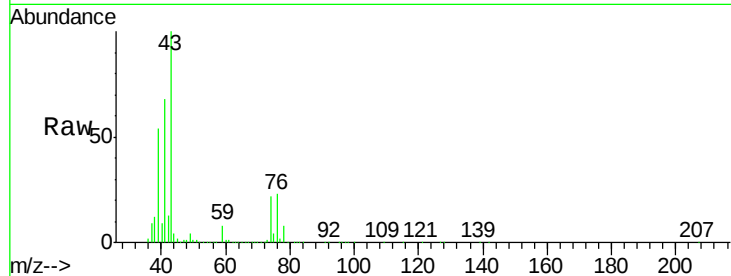
#15
Allvl chloride
Concen: 79.77 ug/l
RT: 4.37 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	78.9	49.7	74.5#
76	34.7	24.8	37.2

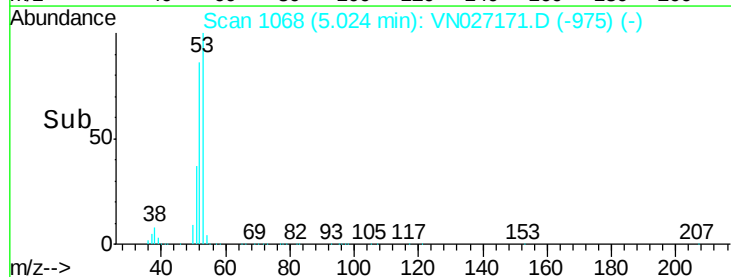
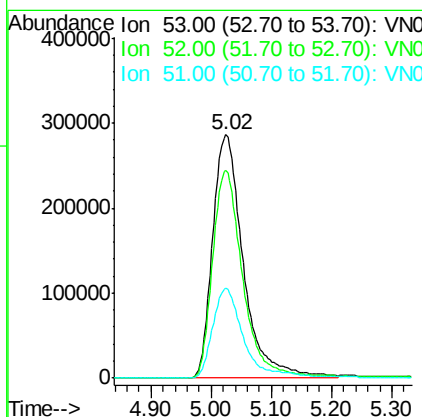
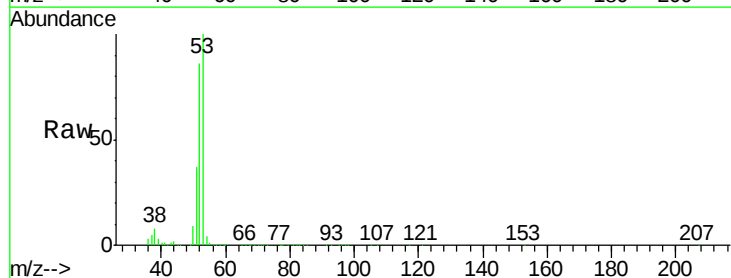
Manual Integrations
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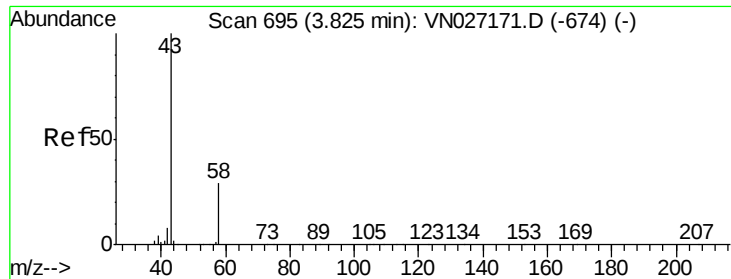
MMDadoda
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#16
Acrylonitrile
Concen: 384.51 ug/l
RT: 5.02 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.9	100.3
51	36.8	27.4	41.0





#17

Acetone

Concen: 387.24 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 872787

Ion Ratio Lower Upper

43 100

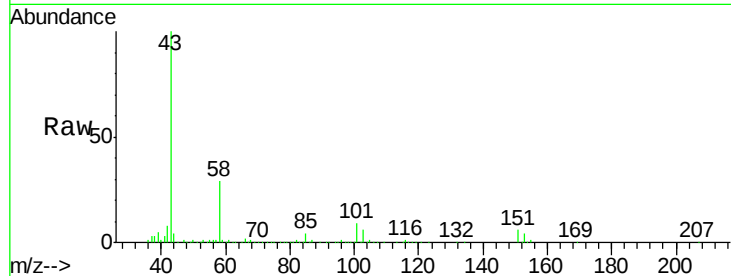
58 29.5 25.4 38.0

Manual Integrations

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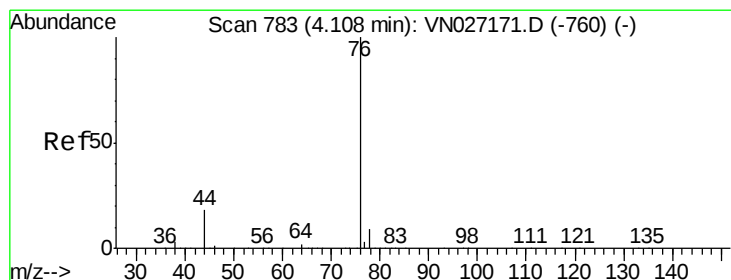
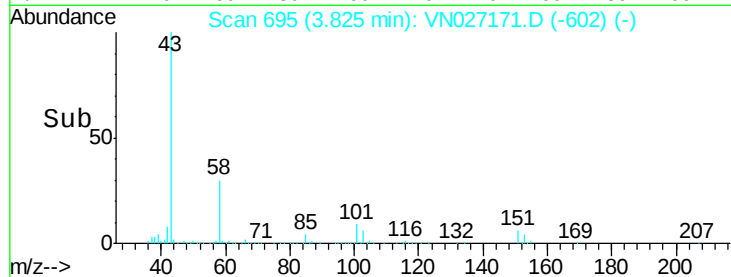
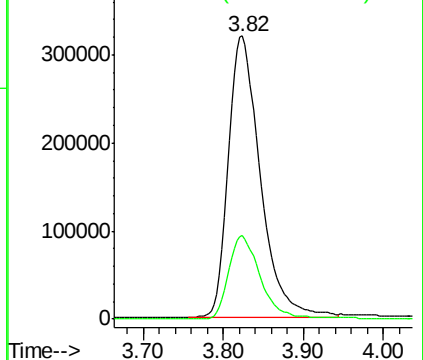
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Carbon Disulfide

Concen: 66.67 ug/l

RT: 4.11 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN027171.D

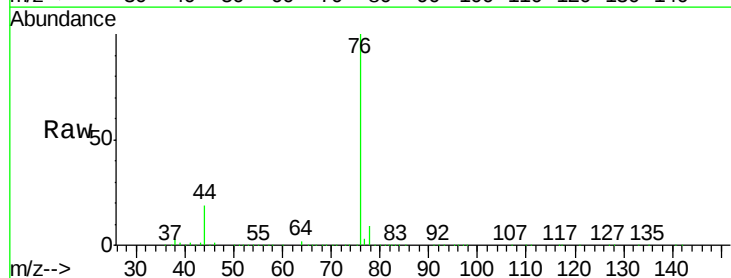
Acq: 15 Sep 2015 16:52

Tgt Ion: 76 Resp: 1151260

Ion Ratio Lower Upper

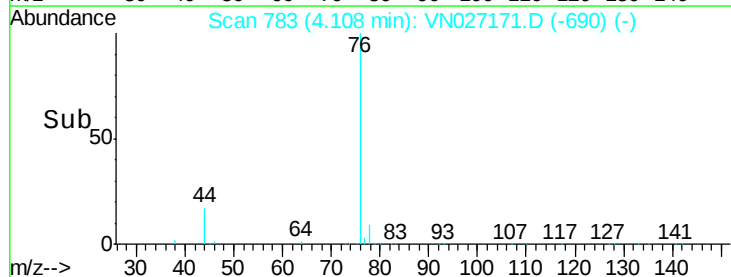
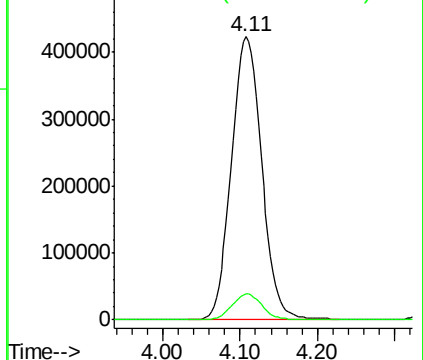
76 100

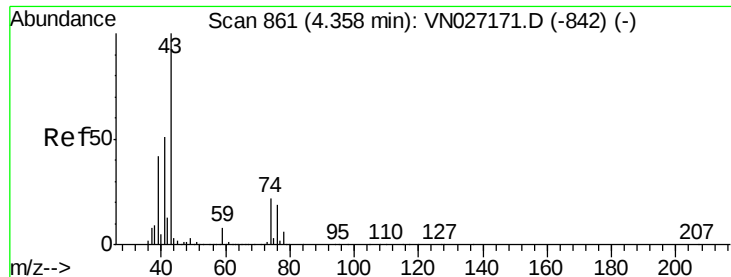
78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





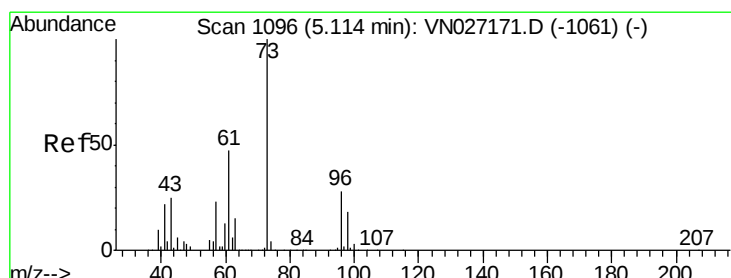
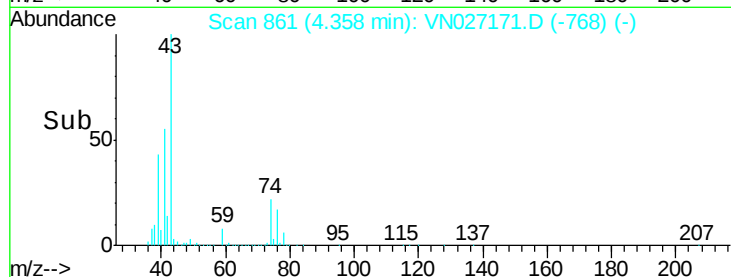
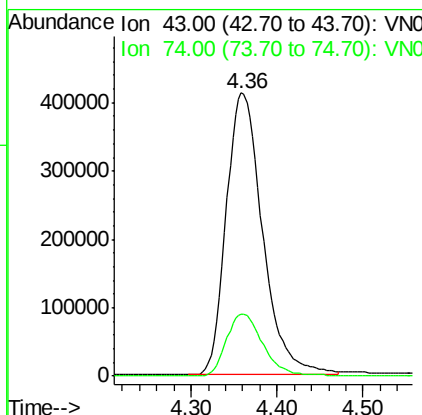
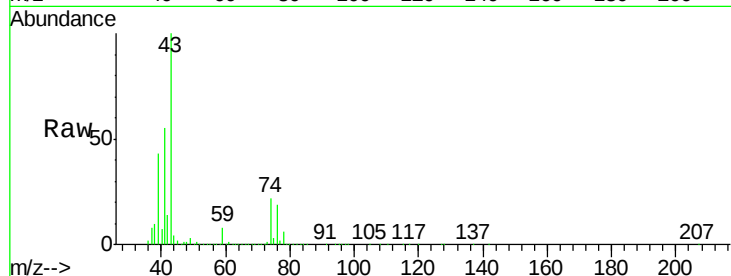
#19
Methvl Acetate
Concen: 81.63 ug/l
RT: 4.36 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1212639
Ion Ratio Lower Upper
43 100
74 22.3 16.2 24.2

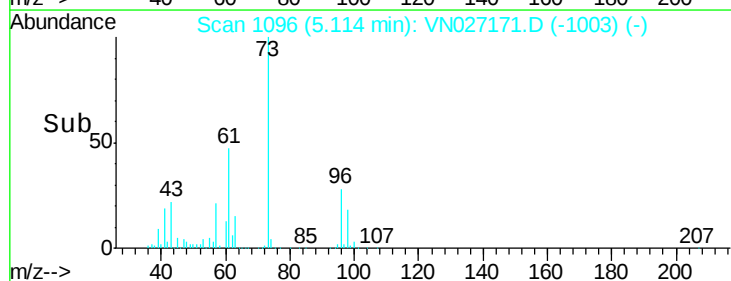
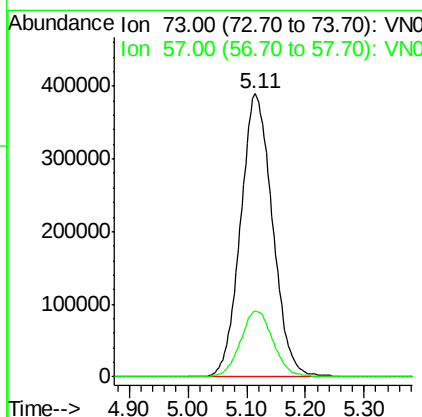
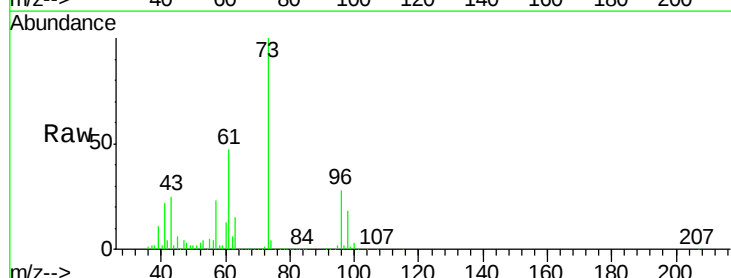
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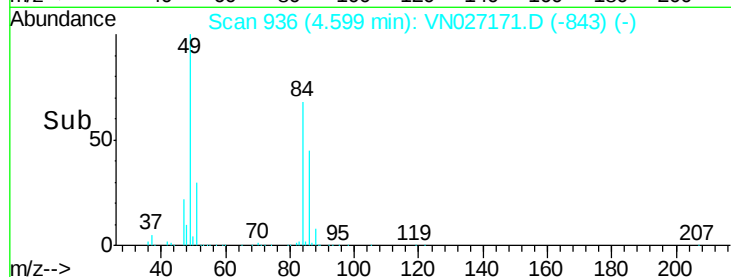
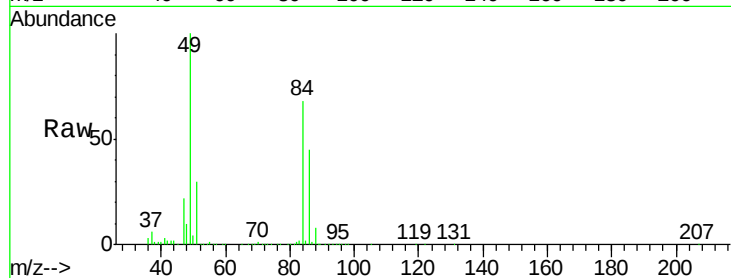
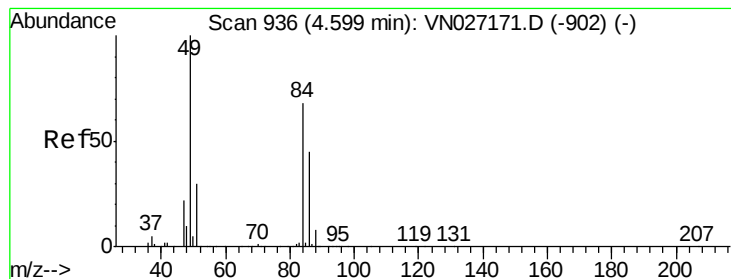
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#20
Methyl tert-butyl Ether
Concen: 78.88 ug/l
RT: 5.11 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Tgt Ion: 73 Resp: 1473038
Ion Ratio Lower Upper
73 100
57 23.1 19.8 29.6





#21

Methylene Chloride

Concen: 64.44 ug/l

RT: 4.60 min Scan# 936

Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

Tot Ion:	84	Resp:	432612
Ion	Ratio	Lower	Upper
84	100		
49	147.4	112.3	168.5
51	43.9	33.8	50.8
86	66.1	48.2	72.4

Instrument :

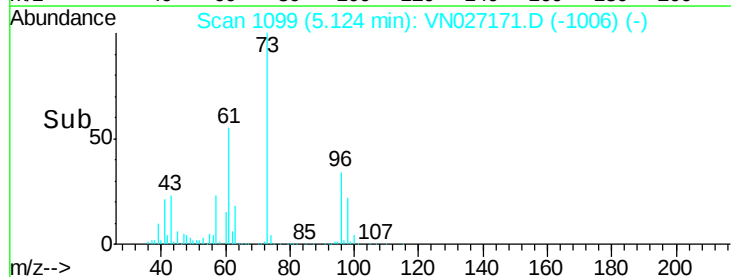
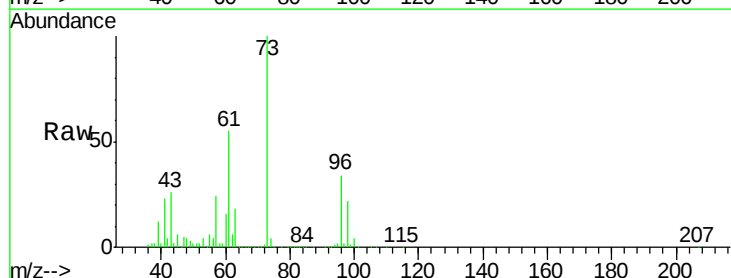
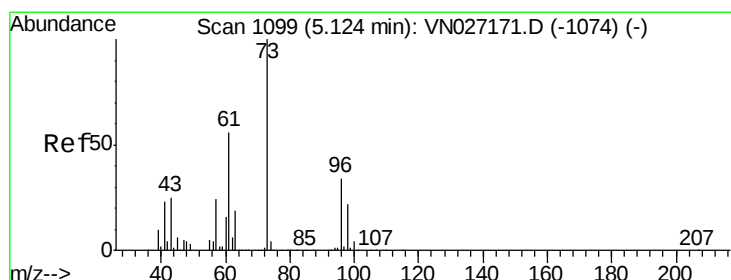
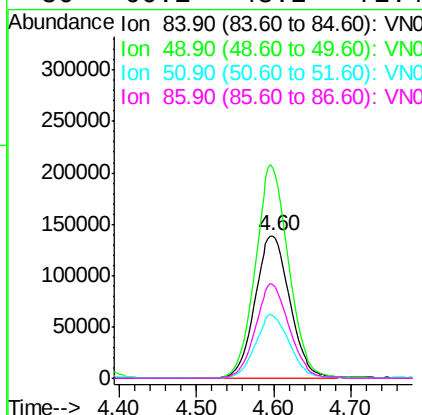
MSVOA_N

ClientSampleId :

VSTDICCC050

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#22

trans-1,2-Dichloroethene

Concen: 62.62 ug/l

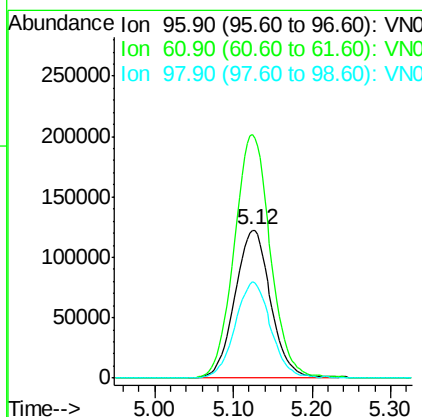
RT: 5.12 min Scan# 1099

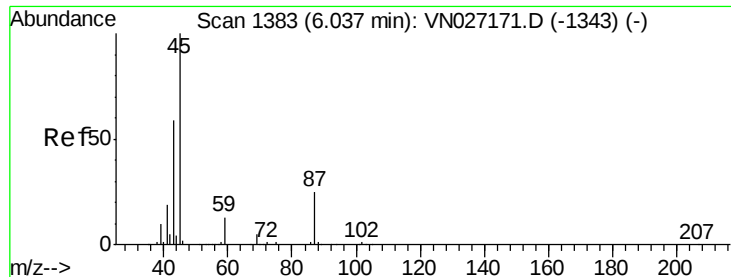
Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

Tgt Ion:	96	Resp:	387214
Ion	Ratio	Lower	Upper
96	100		
61	164.8	126.6	189.8
98	64.9	47.4	71.2





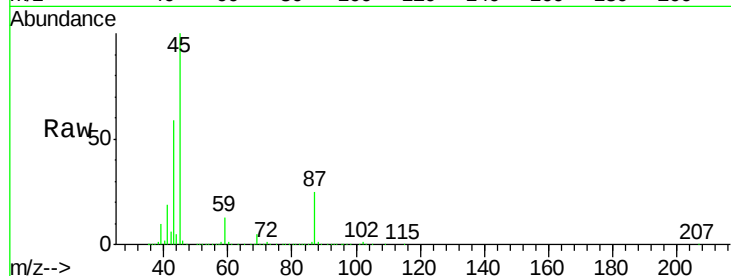
#23
Diisopropyl ether
Concen: 77.05 ug/l
RT: 6.04 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

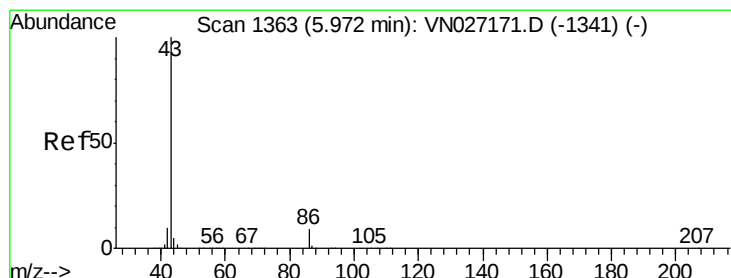
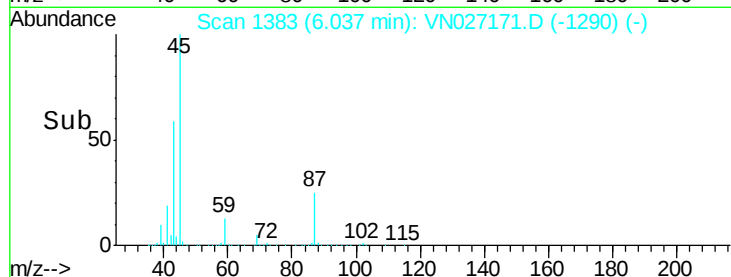
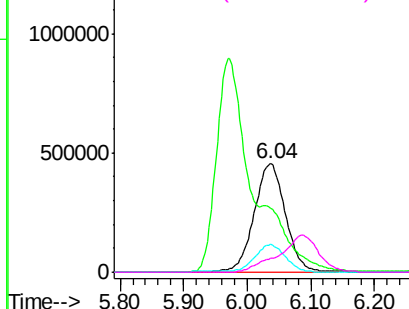
Tot Ion	Ion	Ratio	Lower	Upper
45	100			
43	59.0	41.0	61.6	
87	25.2	17.5	26.3	
59	12.6	8.7	13.1	

Manual Integrations
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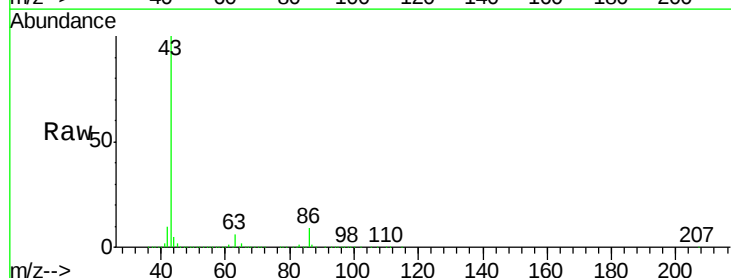


Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO

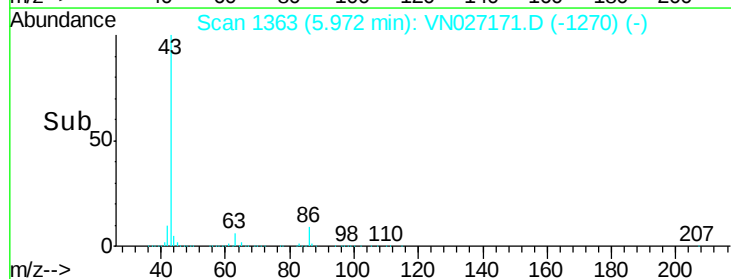
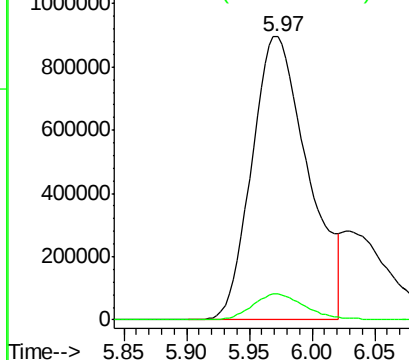


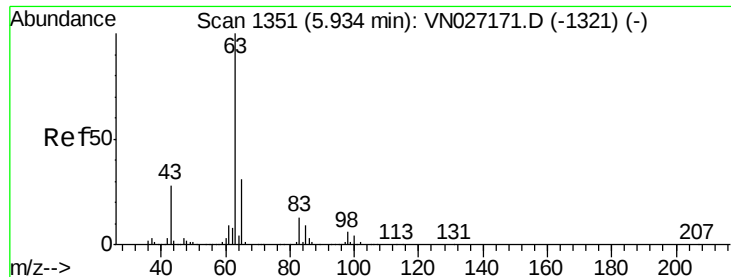
#24
Vinyl Acetate
Concen: 457.35 ug/l
RT: 5.97 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
86	9.1	6.9	10.3	



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 86.00 (85.70 to 86.70): VNO





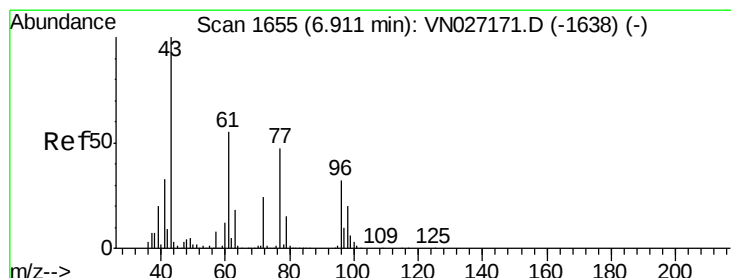
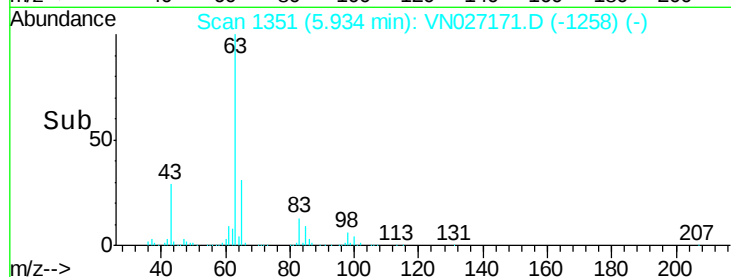
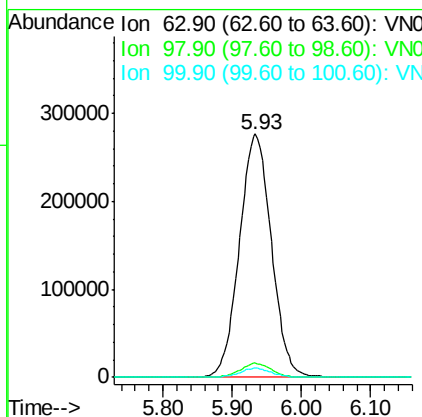
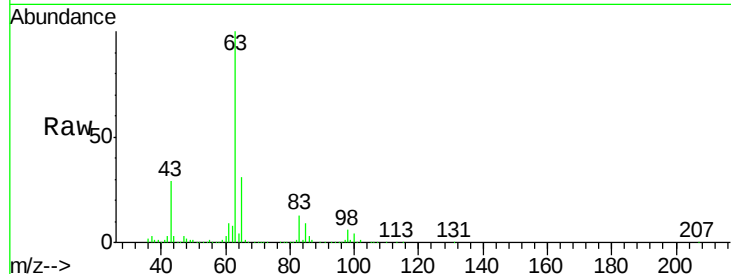
#25
 1,1-Dichloroethane
 Concen: 77.08 ug/l
 RT: 5.93 min Scan# 1351
 Delta R.T. 0.00 min
 Lab File: VN027171.D
 Acq: 15 Sep 2015 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100	885732		
98	5.7		2.8	8.3
100	3.8		1.7	5.0

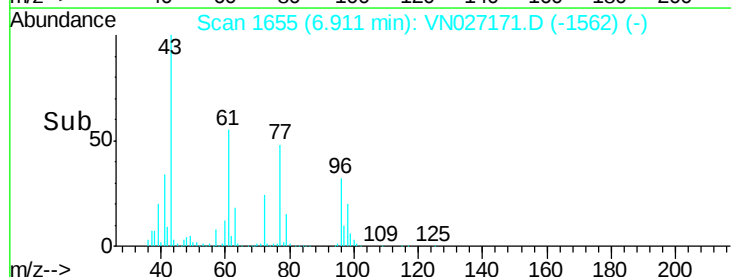
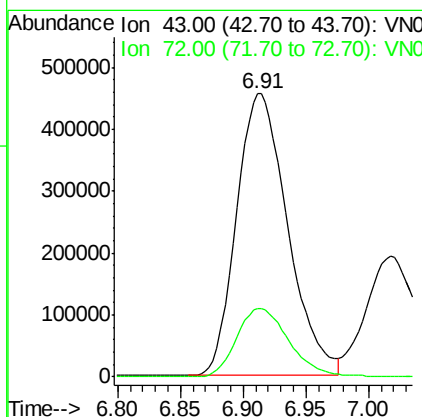
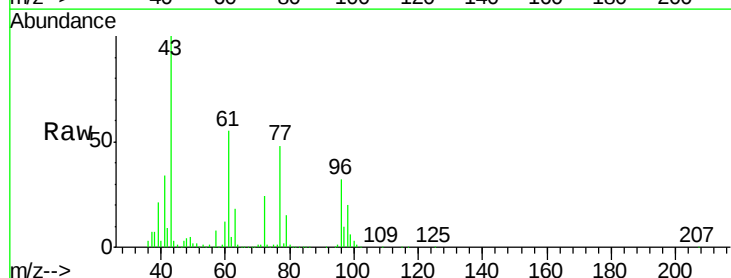
Manual Integrations
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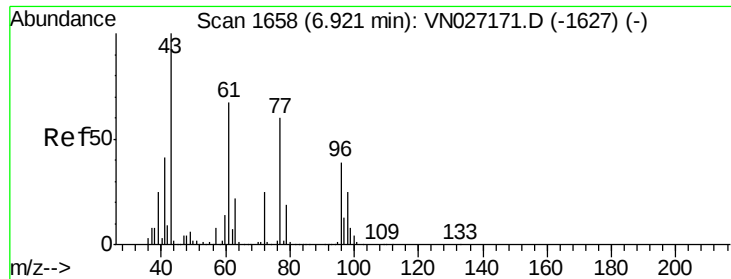
MMDadoda
 9/16/2015 11:46:44 AM



#26
 2-Butanone
 Concen: 417.34 ug/l
 RT: 6.91 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VN027171.D
 Acq: 15 Sep 2015 16:52

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	1290391		
72	24.4		18.8	28.2





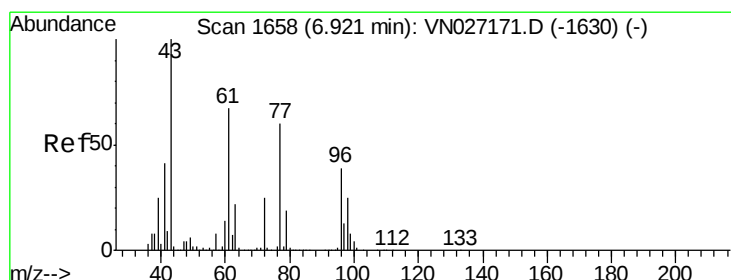
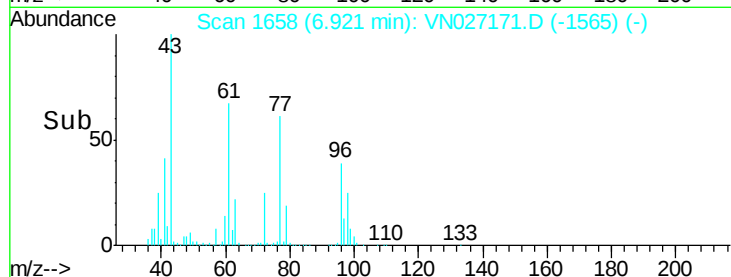
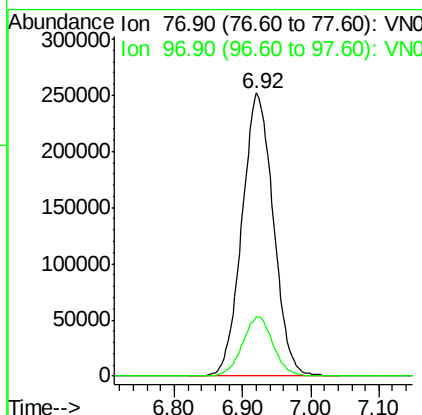
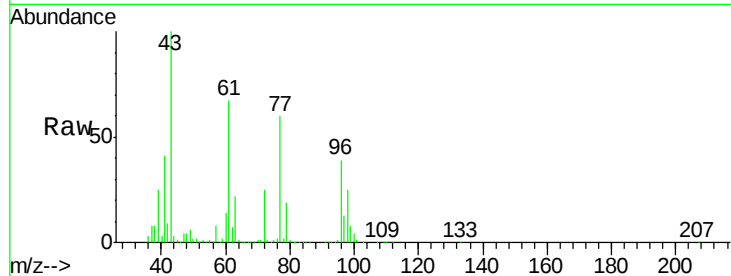
#27
 2,2-Dichloropropane
 Concen: 88.12 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027171.D
 Acq: 15 Sep 2015 16:52

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion: 77 Resp: 799404
 Ion Ratio Lower Upper
 77 100
 97 20.4 11.8 35.3

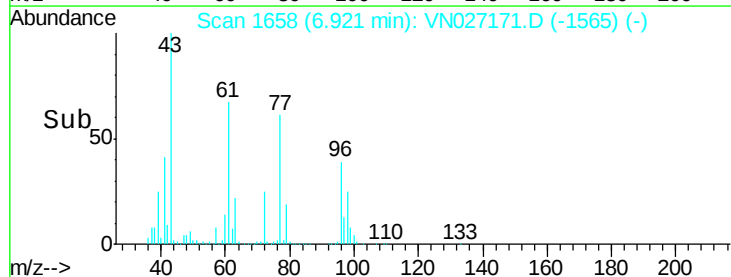
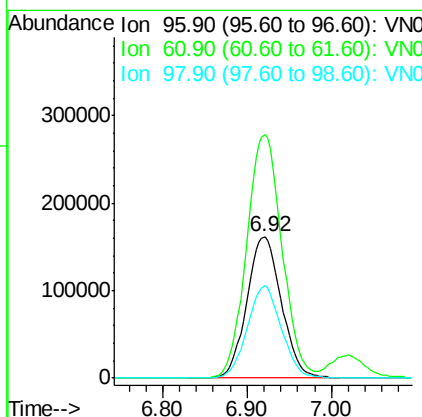
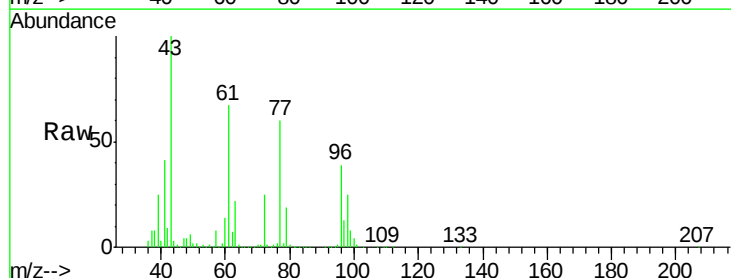
Manual Integrations
 APPROVED

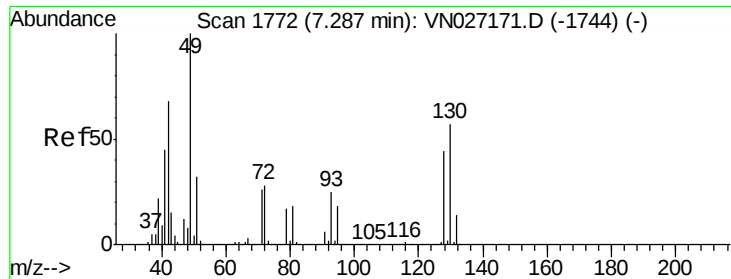
MMDadoda
 9/16/2015 11:46:44 AM



#28
 cis-1,2-Dichloroethene
 Concen: 63.78 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027171.D
 Acq: 15 Sep 2015 16:52

Tgt Ion: 96 Resp: 460179
 Ion Ratio Lower Upper
 96 100
 61 175.2 0.0 329.2
 98 63.8 0.0 126.0





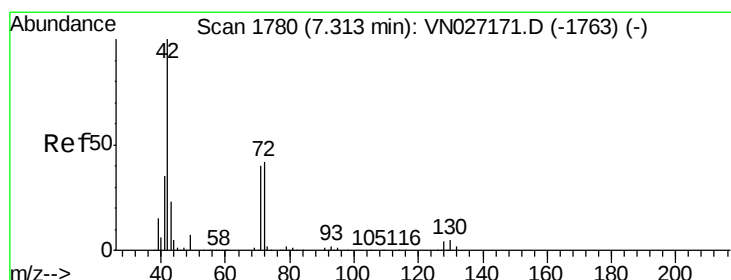
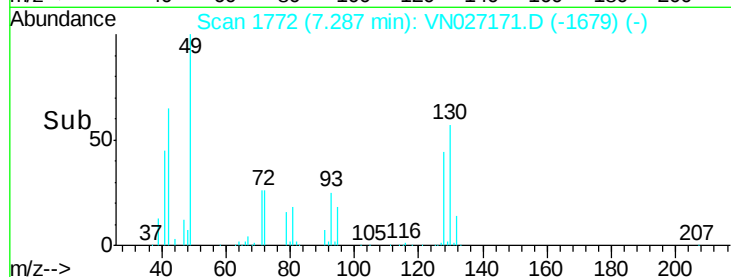
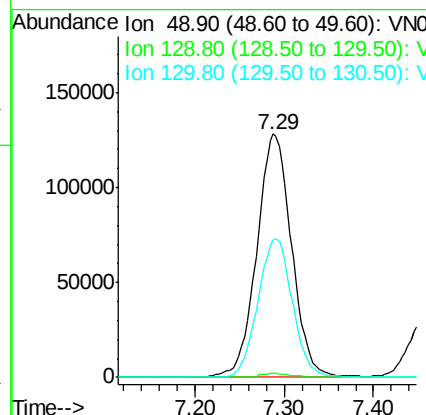
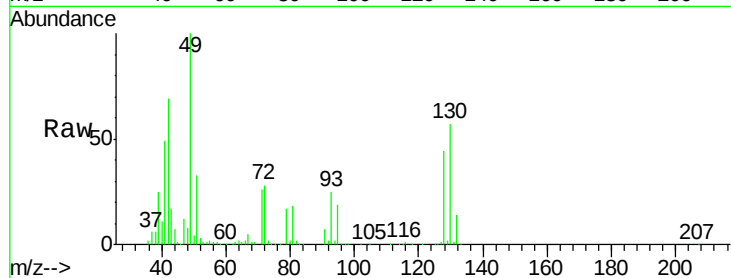
#29
Bromochloromethane
Concen: 62.76 ug/l
RT: 7.29 min Scan# 1772
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.2
130	56.7	43.2	64.8

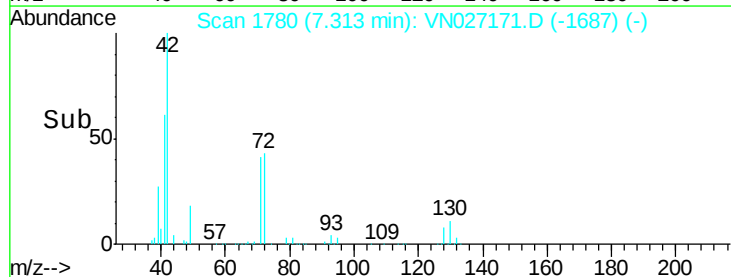
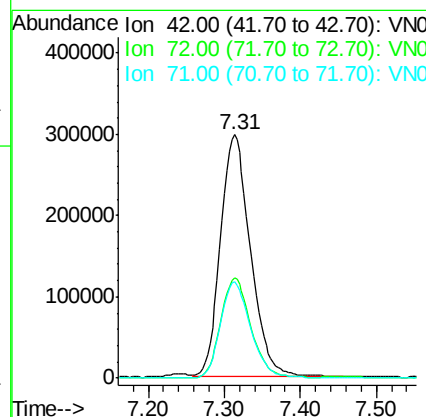
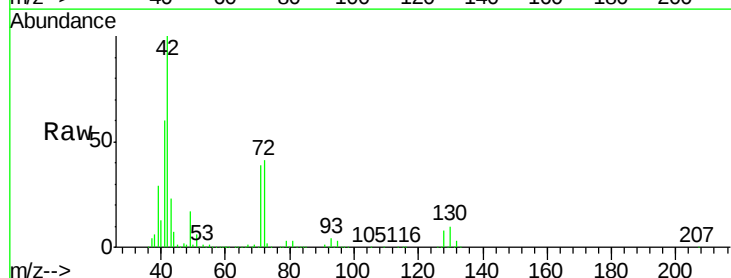
Manual Integrations
APPROVED

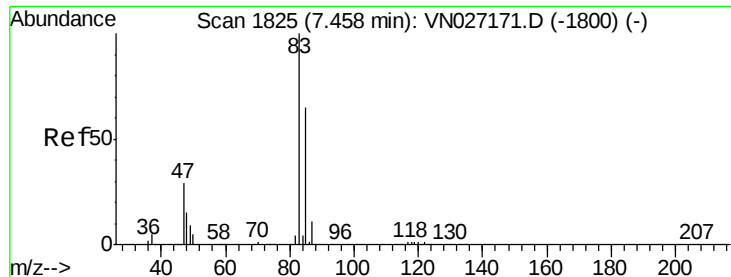
MMDadoda
9/16/2015 11:46:44 AM



#30
Tetrahydrofuran
Concen: 401.08 ug/l
RT: 7.31 min Scan# 1780
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.8	29.9	44.9
71	39.8	28.3	42.5





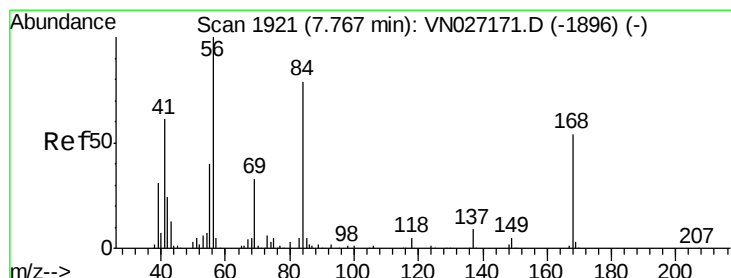
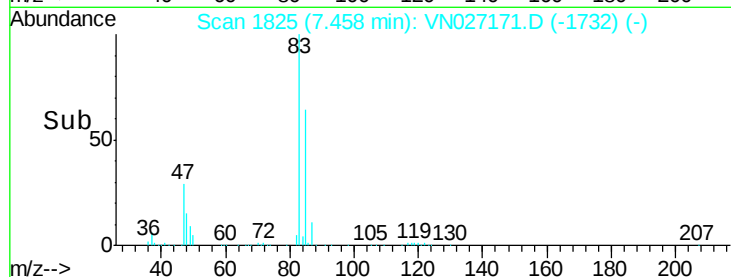
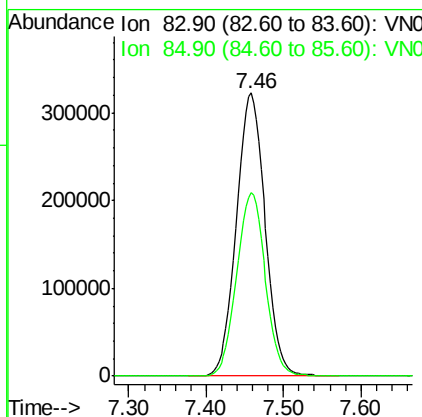
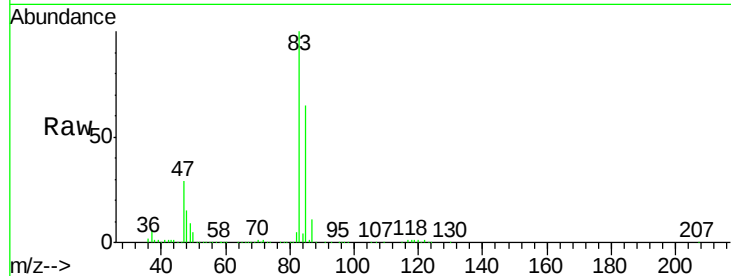
#31
Chloroform
Concen: 71.27 ug/l
RT: 7.46 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	826320
Ion Ratio	100	Lower	Upper
83	100		
85	64.7	51.1	76.7

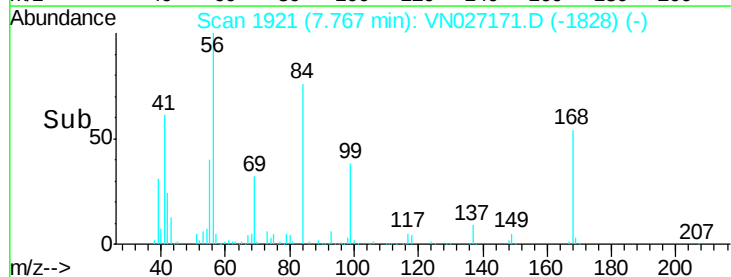
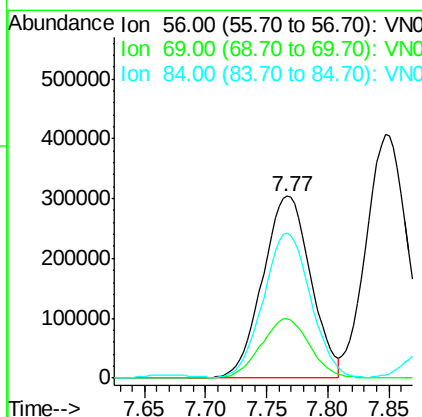
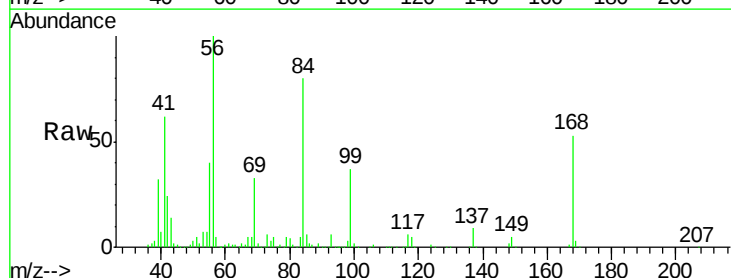
Manual Integrations
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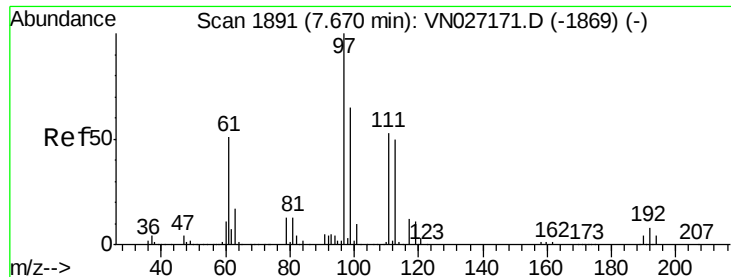
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#32
Cyclohexane
Concen: 61.46 ug/l
RT: 7.77 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Tgt Ion	56	Resp	827751
Ion Ratio	100	Lower	Upper
56	100		
69	32.5	23.0	34.4
84	78.8	57.8	86.8





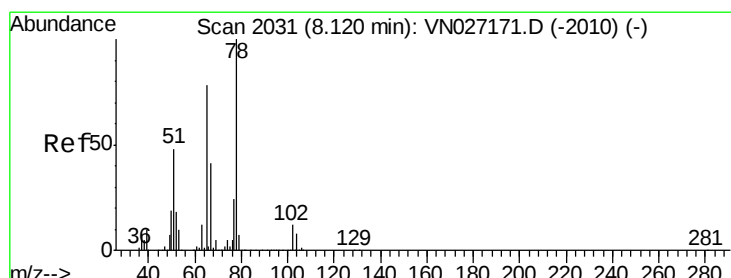
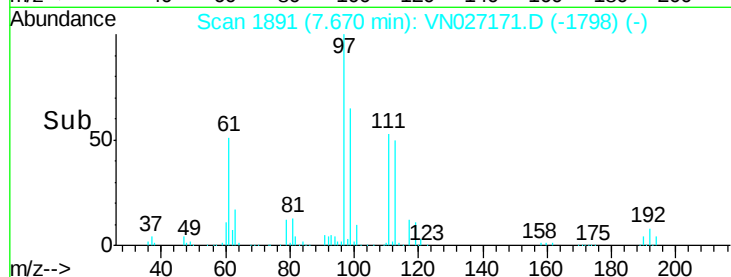
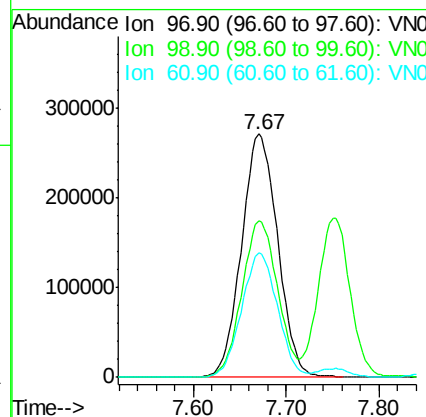
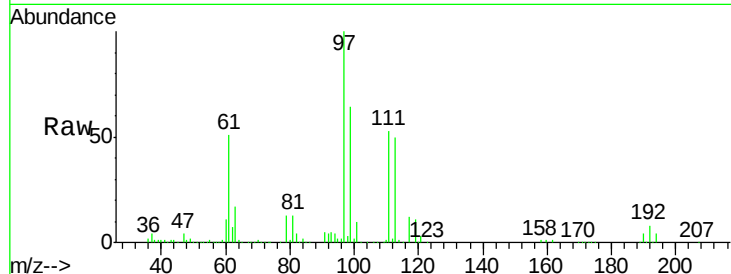
#33
 1,1,1-Trichloroethane
 Concen: 74.56 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN027171.D
 Acq: 15 Sep 2015 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		731811		
99	64.2	50.1	75.1		
61	50.9	44.0	66.0		

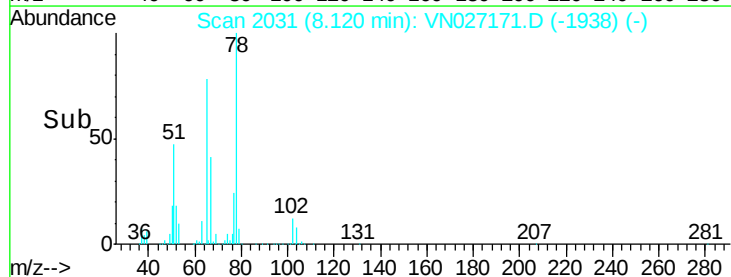
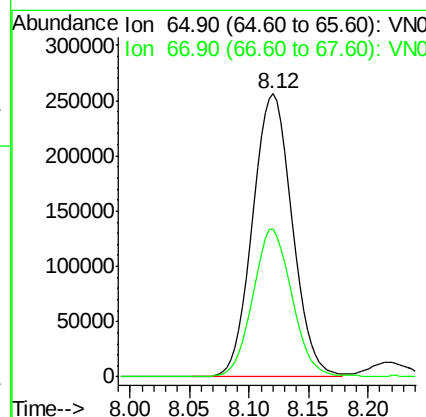
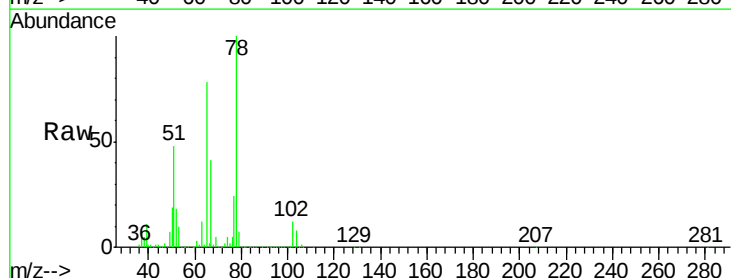
Manual Integrations
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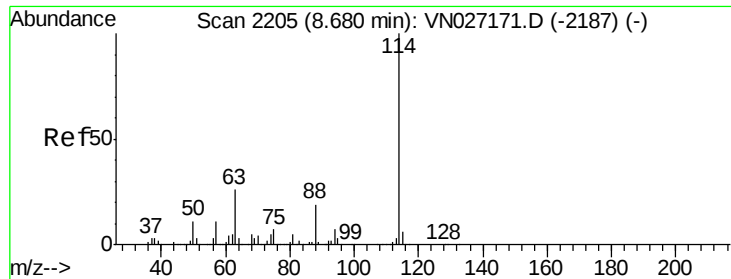
MMDadoda
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#34
 1,2-Dichloroethane-d4
 Concen: 77.45 ug/l
 RT: 8.12 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VN027171.D
 Acq: 15 Sep 2015 16:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
65	100		589843		
67	51.5	0.0	110.6		





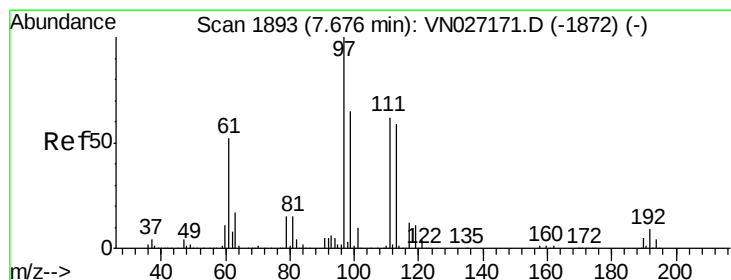
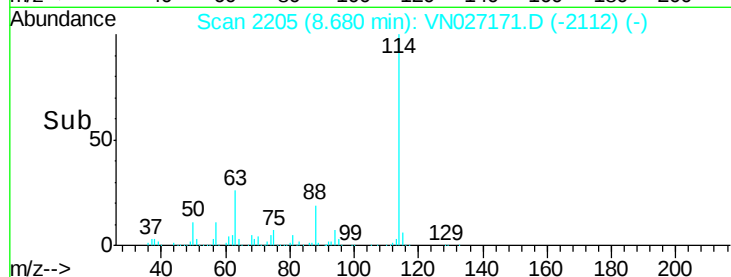
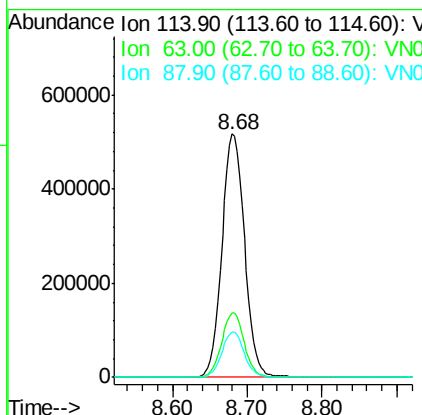
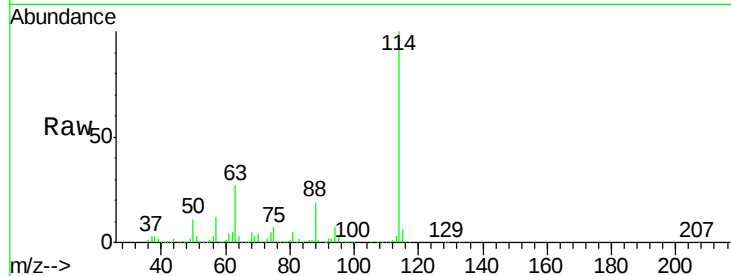
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027171.D
 Acq: 15 Sep 2015 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.5	0.0	48.8
88	18.6	0.0	32.2

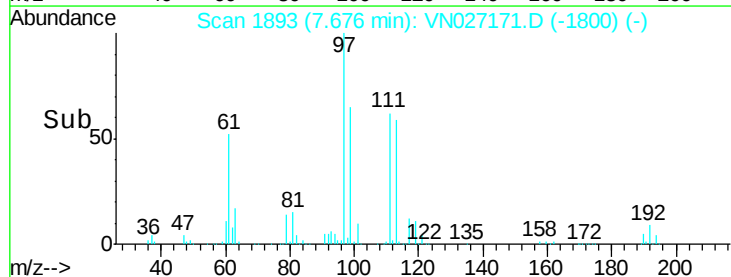
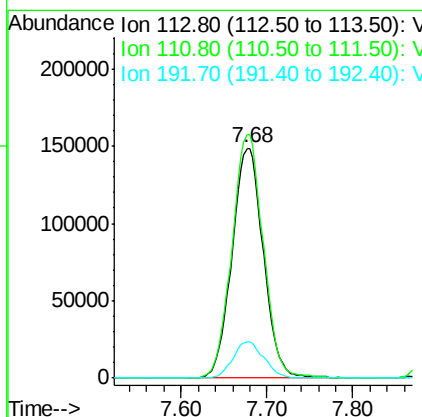
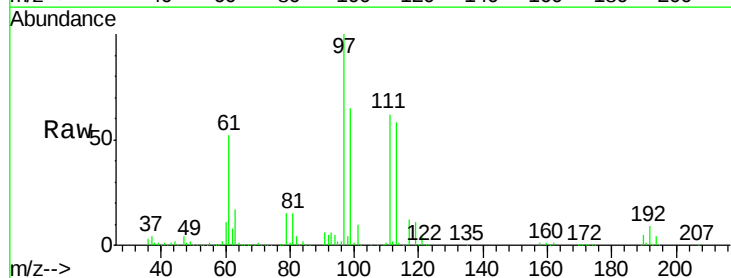
Manual Integrations
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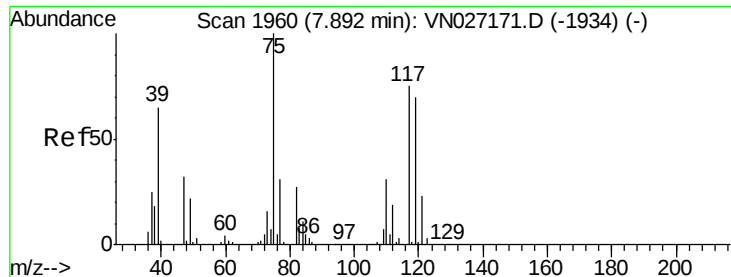
MMDadoda
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#36
 Dibromofluoromethane
 Concen: 56.74 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027171.D
 Acq: 15 Sep 2015 16:52

Tgt Ion	Ratio	Lower	Upper
113	100		
111	106.2	83.0	124.4
192	15.8	14.1	21.1





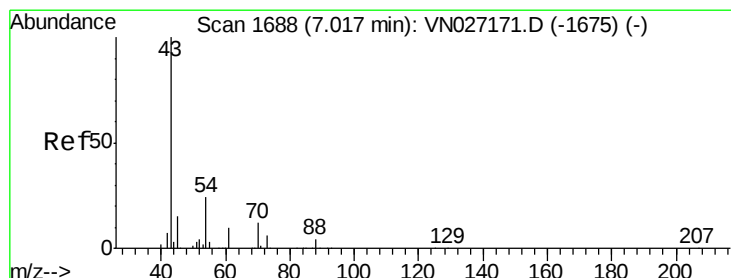
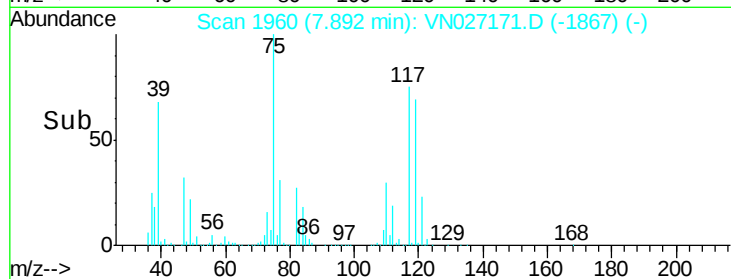
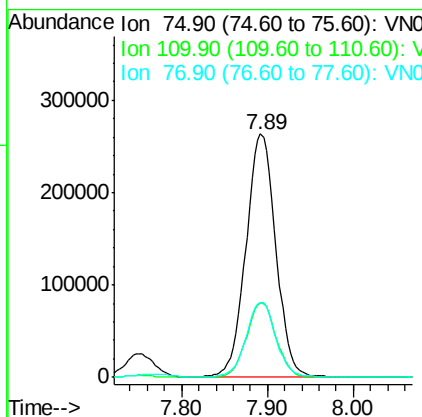
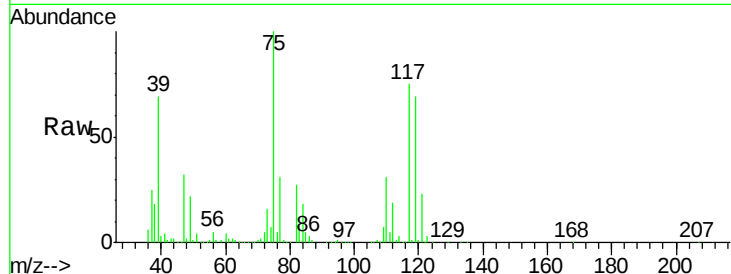
#37
 1,1-Dichloropropene
 Concen: 62.36 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VN027171.D
 Acq: 15 Sep 2015 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
110	30.7	15.9	47.7
77	30.6	24.9	37.3

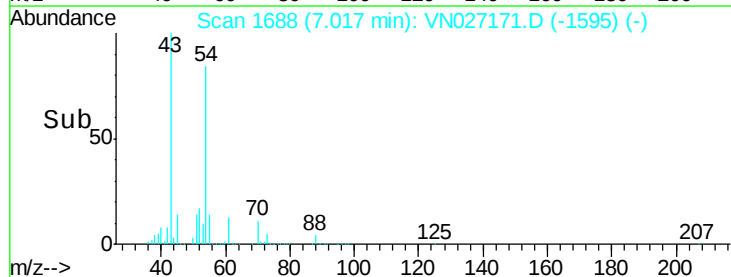
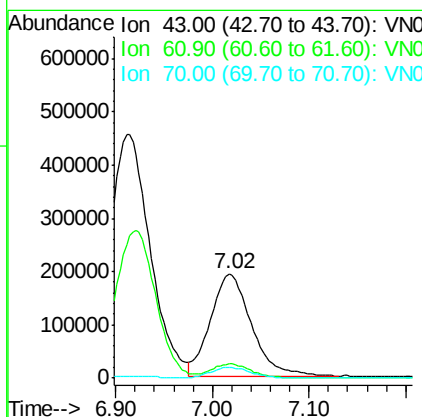
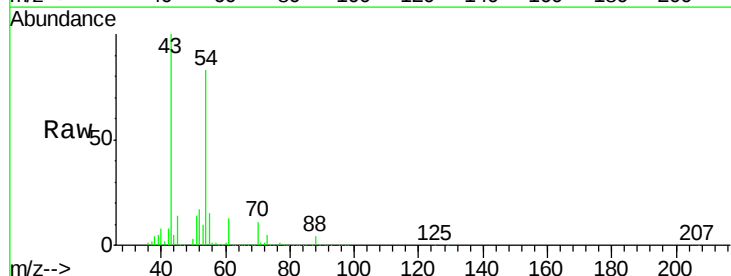
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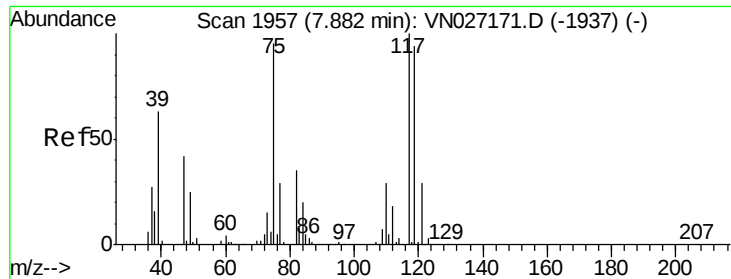
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#38
 Ethyl Acetate
 Concen: 78.33 ug/l
 RT: 7.02 min Scan# 1688
 Delta R.T. 0.00 min
 Lab File: VN027171.D
 Acq: 15 Sep 2015 16:52

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.2	15.4
70	9.8	7.4	11.0





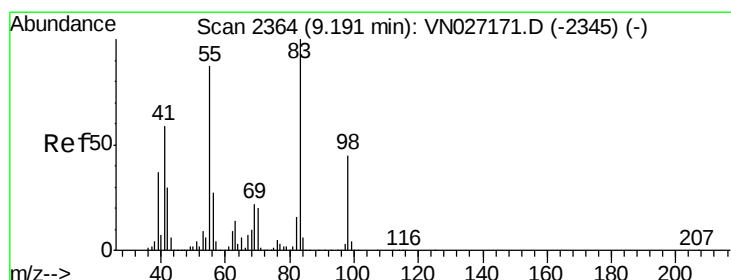
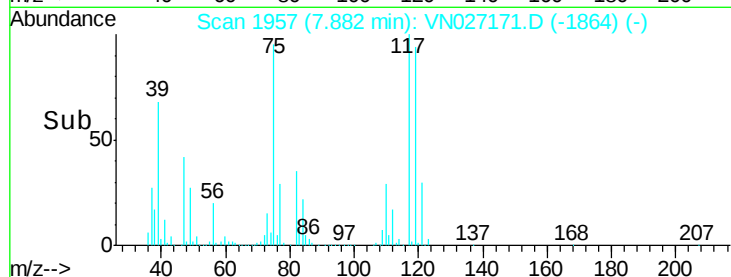
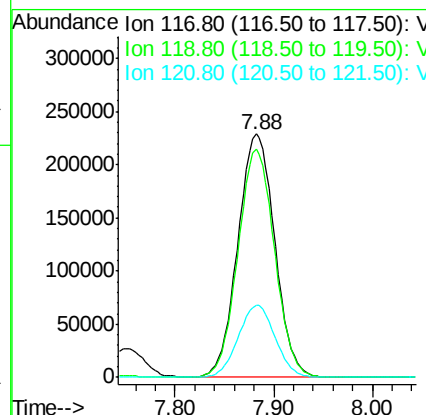
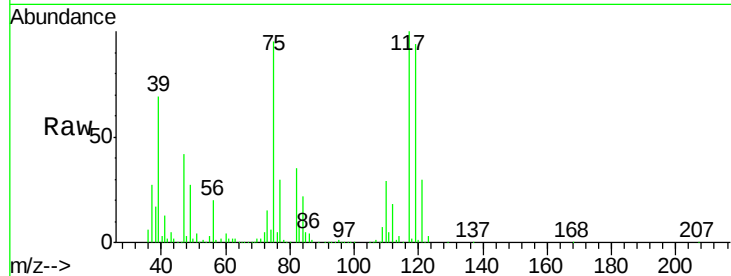
#39
Carbon Tetrachloride
Concen: 61.44 ug/l
RT: 7.88 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.6	75.3	112.9
121	29.5	23.8	35.8

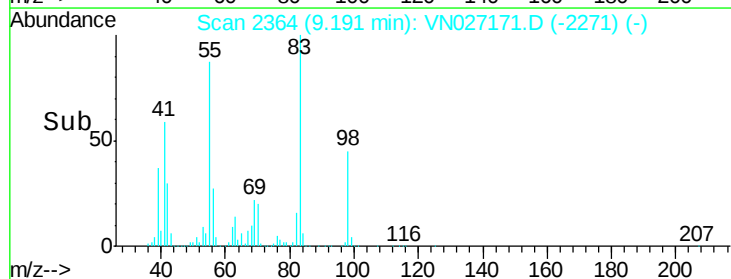
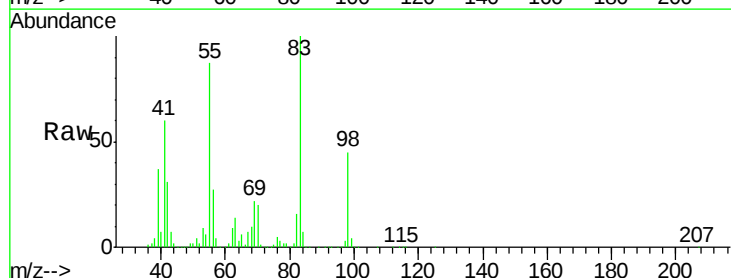
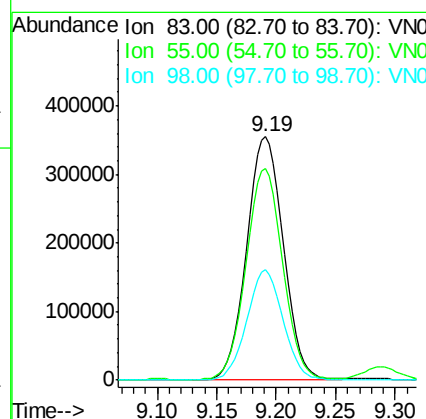
Manual Integrations
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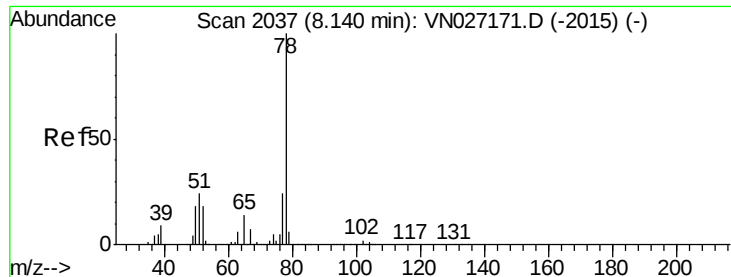
MMDadoda
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#40
Methylcyclohexane
Concen: 61.80 ug/l
RT: 9.19 min Scan# 2364
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Tgt Ion	Ratio	Lower	Upper
83	100		
55	86.9	69.8	104.8
98	45.2	34.3	51.5





#41

Benzene

Concen: 58.45 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 78 Resp: 1831794

Ion Ratio Lower Upper

78 100

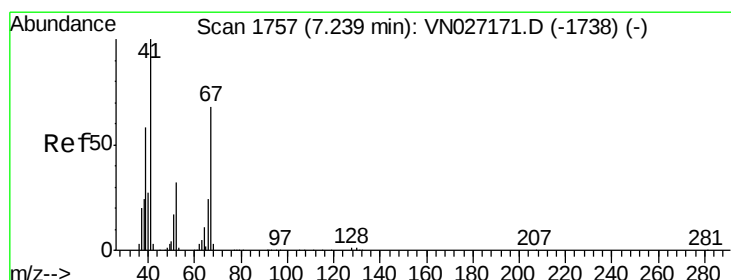
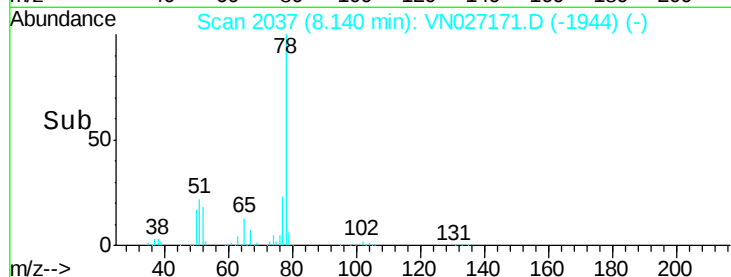
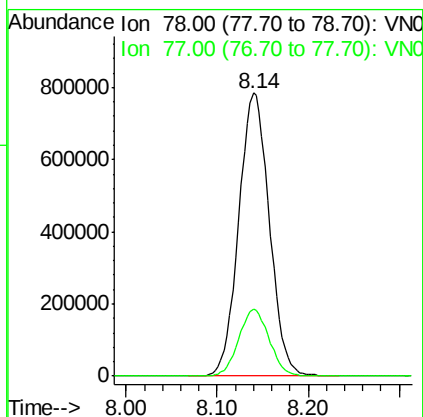
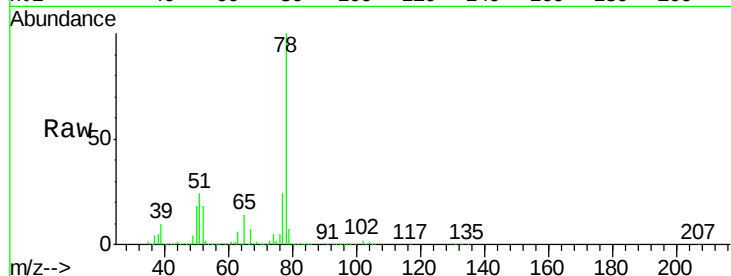
77 23.6 19.0 28.4

Manual Integrations

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#42

Methacrylonitrile

Concen: 68.42 ug/l

RT: 7.24 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

Tgt Ion: 41 Resp: 319011

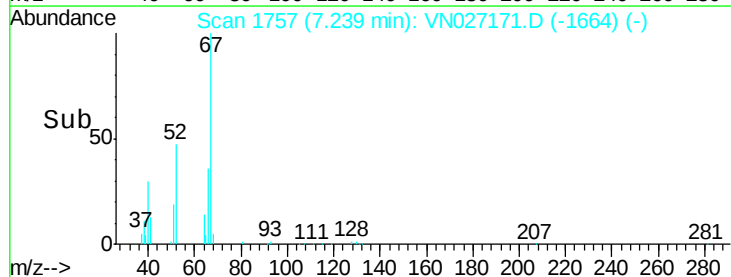
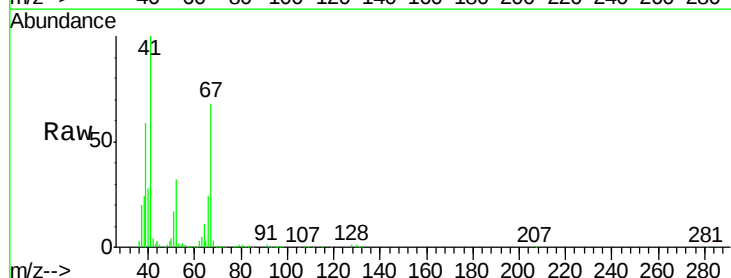
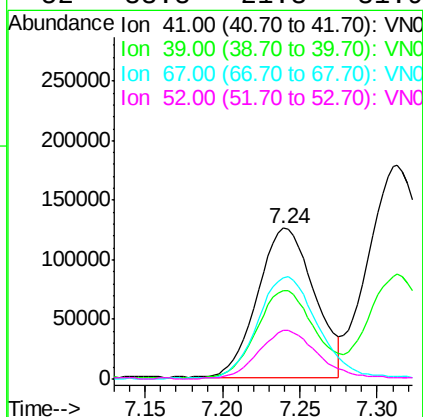
Ion Ratio Lower Upper

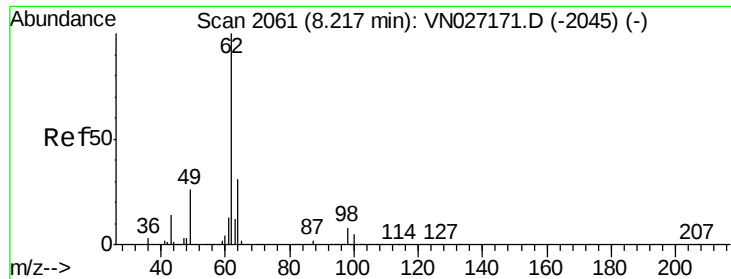
41 100

39 60.1 43.0 64.6

67 72.3 52.2 78.2

52 33.8 21.3 31.9#





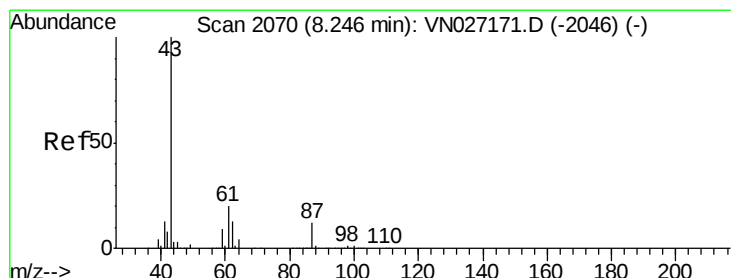
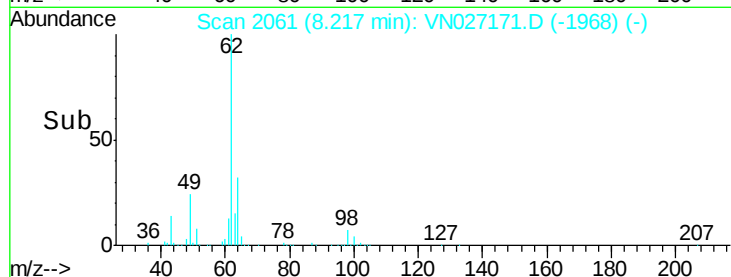
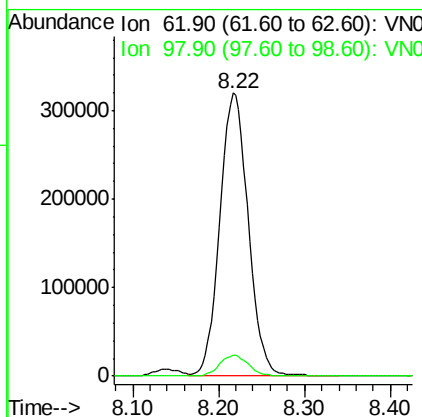
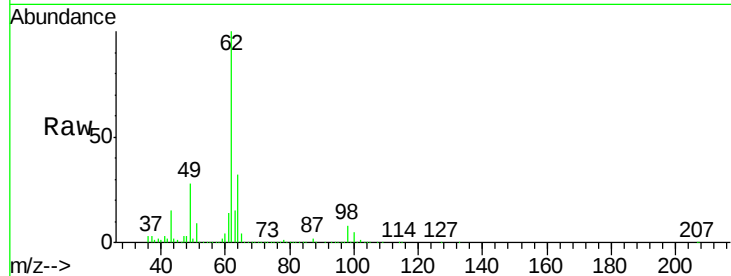
#43
 1,2-Dichloroethane
 Concen: 68.12 ug/l
 RT: 8.22 min Scan# 2061
 Delta R.T. 0.00 min
 Lab File: VN027171.D
 Acq: 15 Sep 2015 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
62	100	733887		
98	7.5	0.0	18.0	

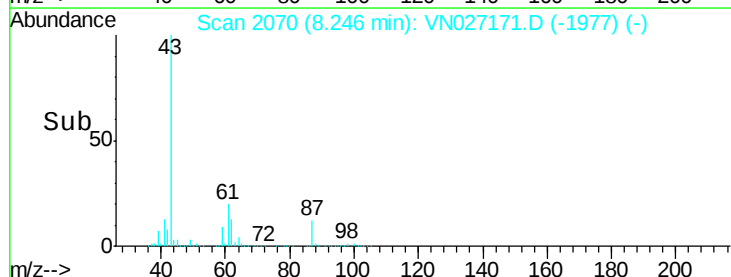
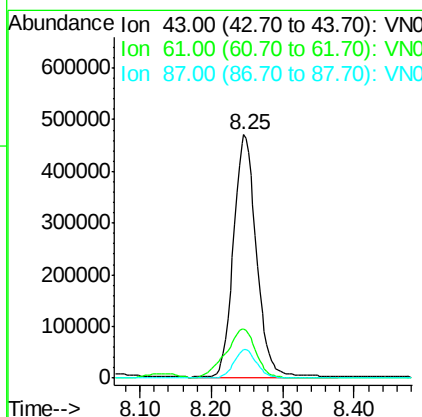
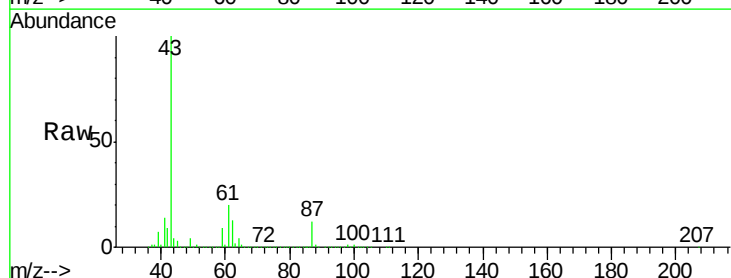
Manual Integrations
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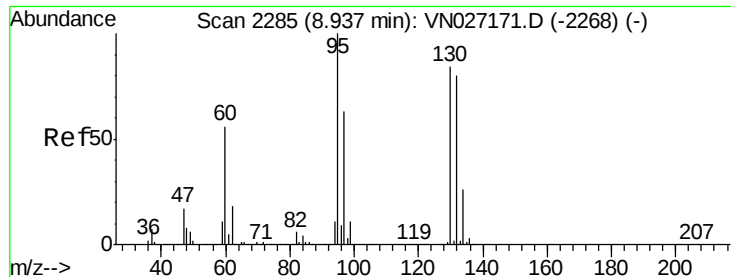
MMDadoda
 9/16/2015 11:46:44 AM



#44
 Isopropyl Acetate
 Concen: 80.59 ug/l
 RT: 8.25 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VN027171.D
 Acq: 15 Sep 2015 16:52

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	1051599		
61	25.7	20.6	31.0	
87	11.7	8.6	13.0	





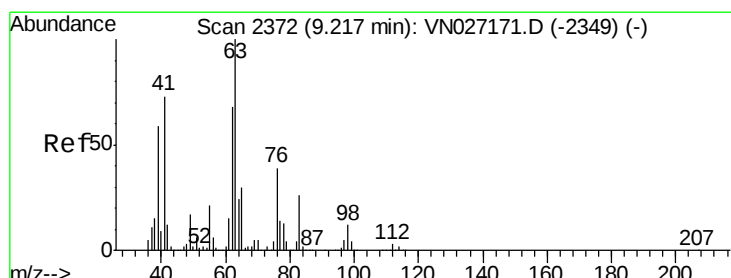
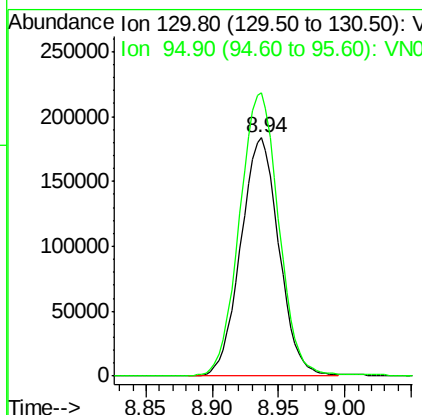
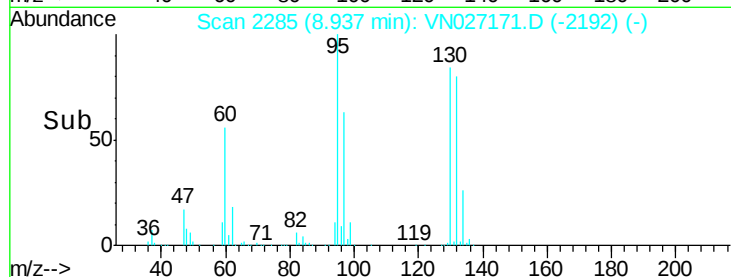
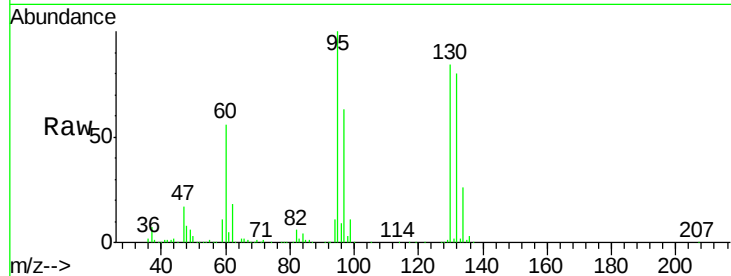
#45
 Trichloroethene
 Concen: 48.31 ug/l
 RT: 8.94 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN027171.D
 Acq: 15 Sep 2015 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
130	100			
95	118.7	0.0	222.2	

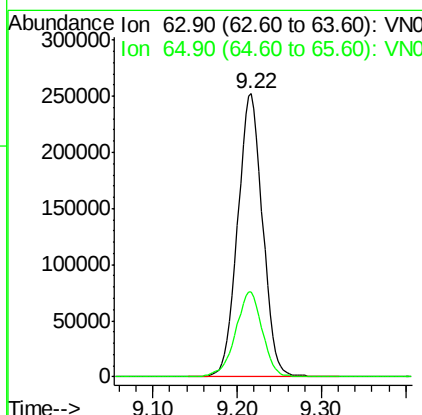
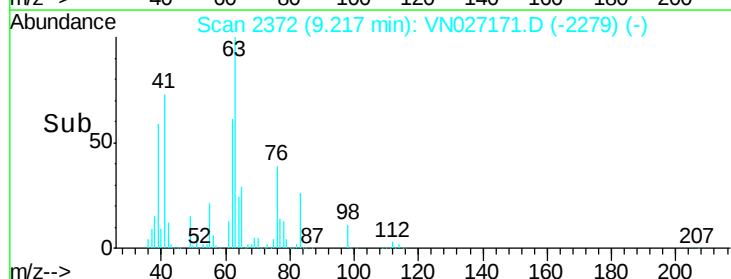
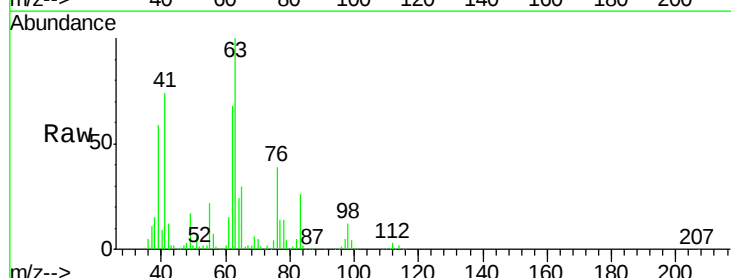
Manual Integrations
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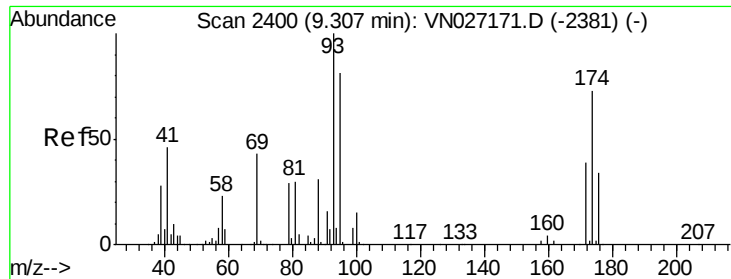
MMDadoda
 9/16/2015 11:46:44 AM



#46
 1,2-Dichloropropane
 Concen: 63.88 ug/l
 RT: 9.22 min Scan# 2372
 Delta R.T. 0.00 min
 Lab File: VN027171.D
 Acq: 15 Sep 2015 16:52

Tgt Ion	Ratio	Resp	Lower	Upper
63	100			
65	29.8	24.4	36.6	





#47

Dibromomethane

Concen: 62.51 ug/l

RT: 9.31 min Scan# 2400

Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

Instrument :

MSVOA_N

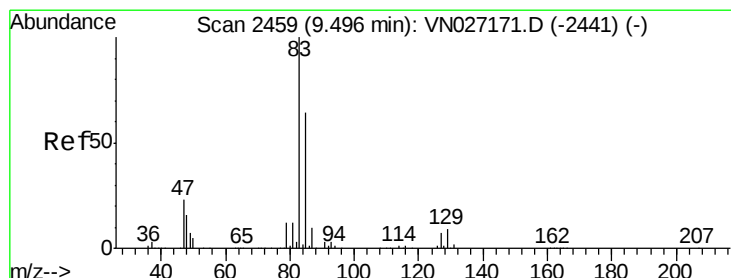
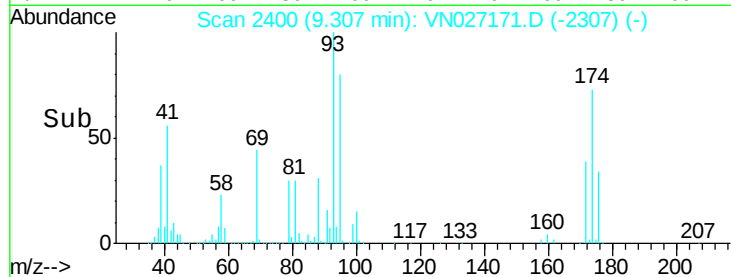
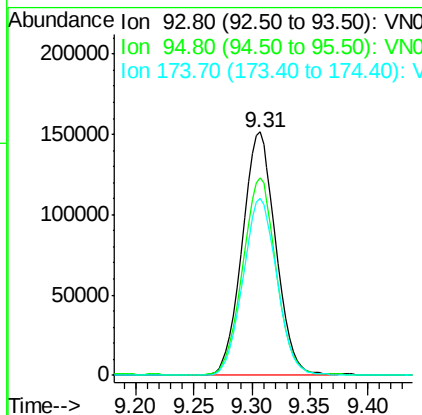
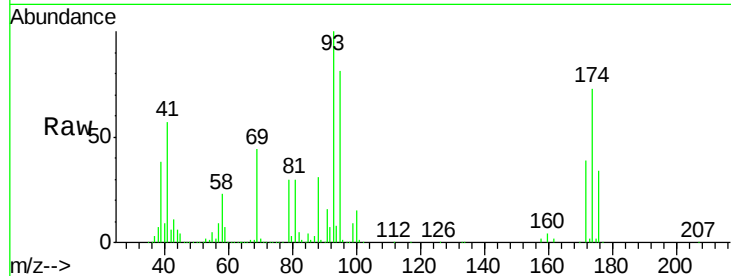
ClientSampleId :

VSTDICCC050

Tot Ion	93	Resp	303590
Ion Ratio	100	Lower	Upper
93	100		
95	80.8	66.3	99.5
174	74.2	67.8	101.6

Manual Integrations
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#48

Bromodichloromethane

Concen: 65.15 ug/l

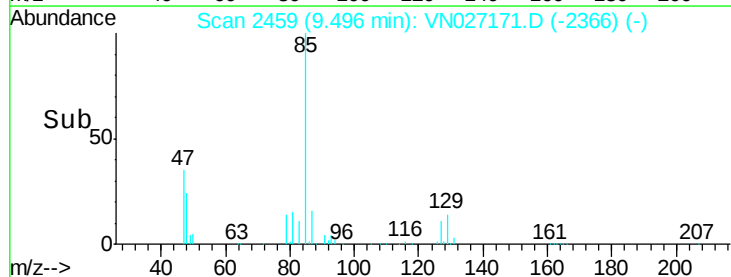
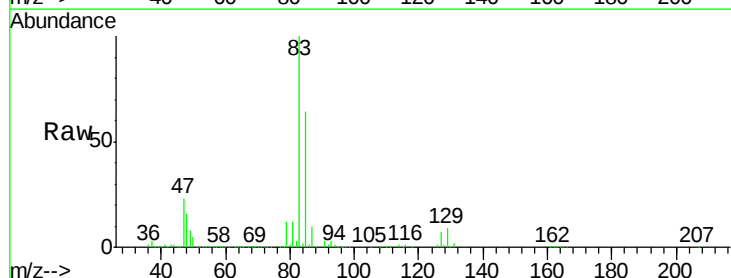
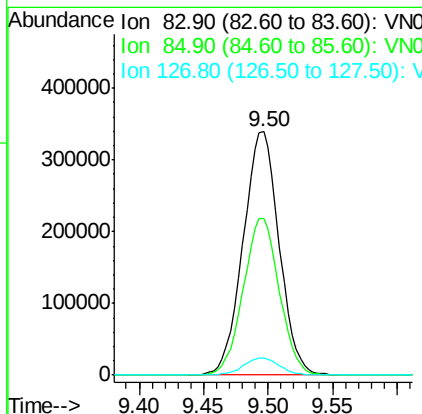
RT: 9.50 min Scan# 2459

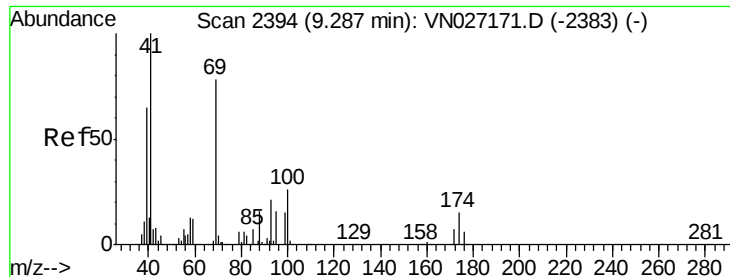
Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

Tgt Ion	83	Resp	657907
Ion Ratio	100	Lower	Upper
83	100		
85	64.5	50.7	76.1
127	7.2	5.5	8.3





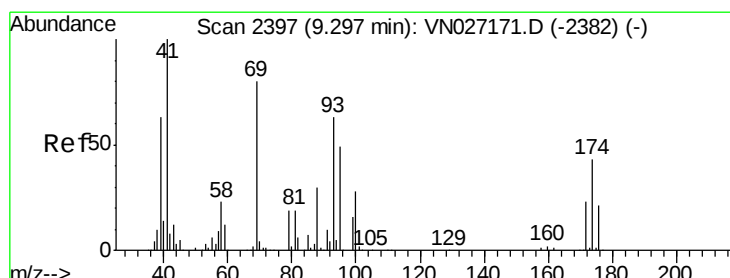
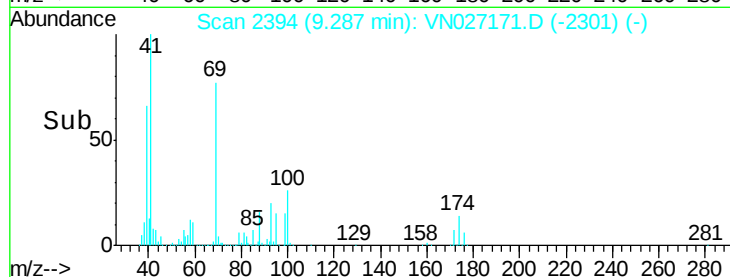
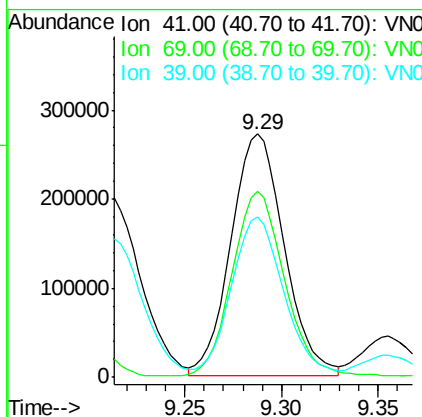
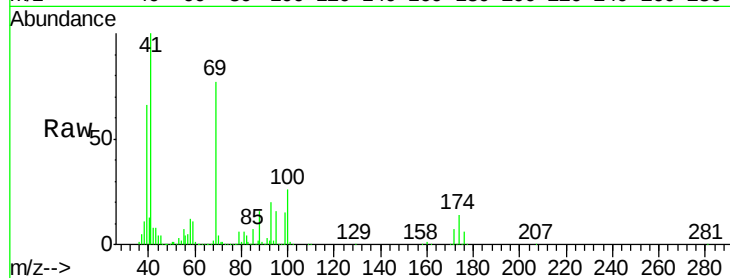
#49
Methvl methacrylate
Concen: 78.50 ug/l
RT: 9.29 min Scan# 2394
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
69	75.4	59.3	88.9
39	65.0	39.5	59.3#

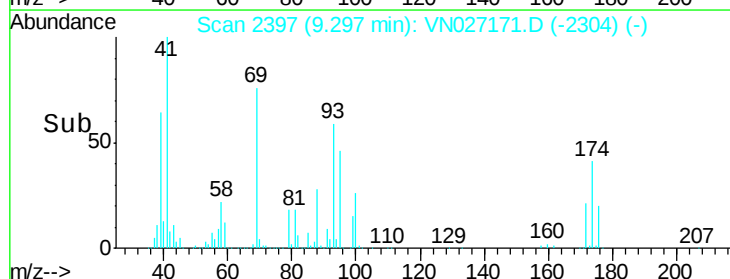
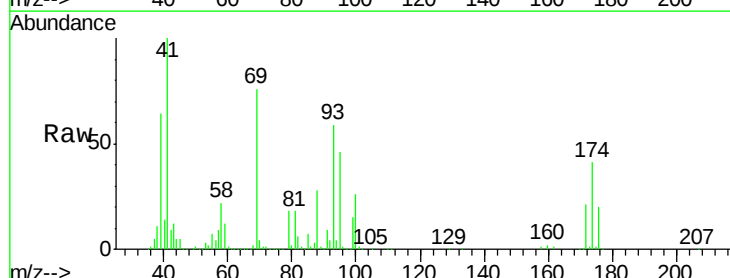
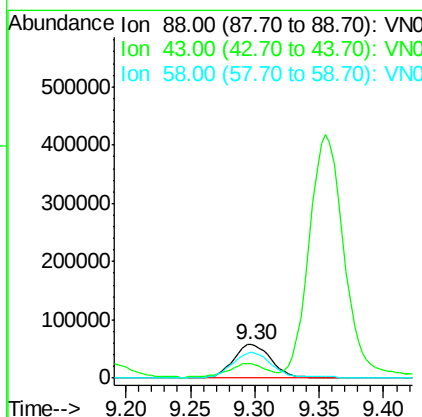
Manual Integrations
APPROVED

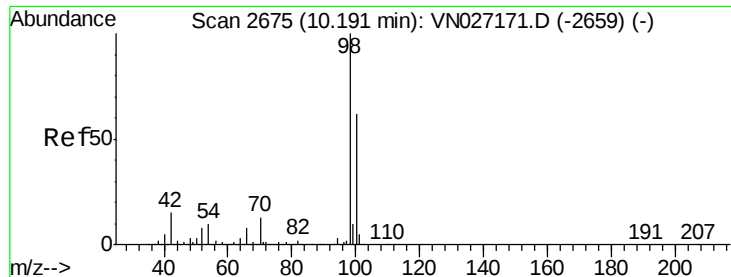
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#50
1,4-Dioxane
Concen: 1241.97 ug/l
RT: 9.30 min Scan# 2397
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Tgt Ion	Ratio	Lower	Upper
88	100		
43	39.9	27.6	41.4
58	78.3	63.1	94.7





#51

Toluene-d8

Concen: 55.64 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 98 Resp: 1473542

Ion Ratio Lower Upper

98 100

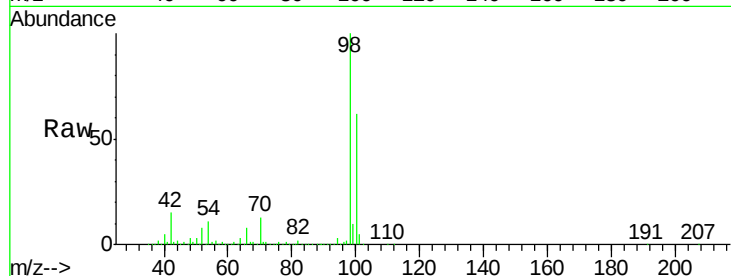
100 62.7 50.5 75.7

Manual Integrations

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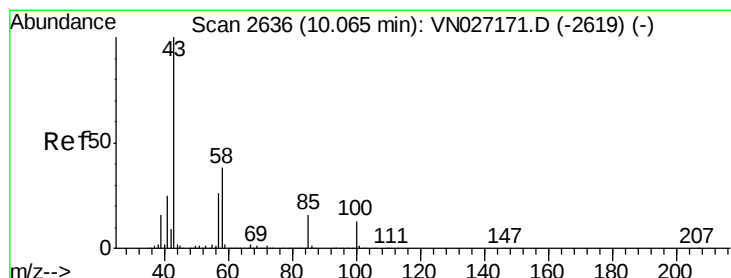
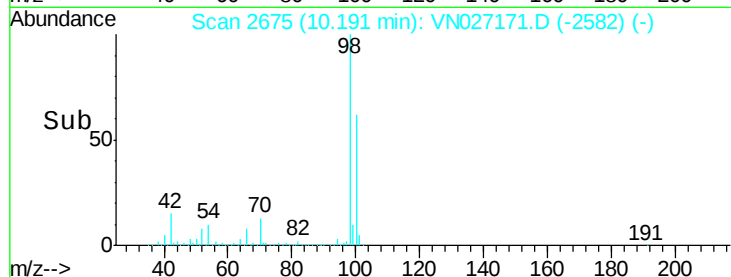
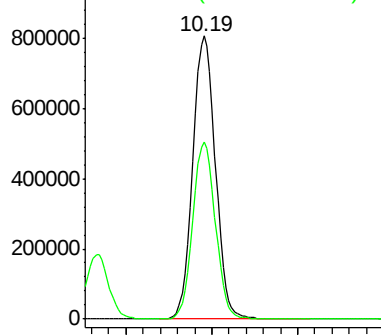
MMDadoda

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Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#52

4-Methyl-2-Pentanone

Concen: 363.38 ug/l

RT: 10.07 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VN027171.D

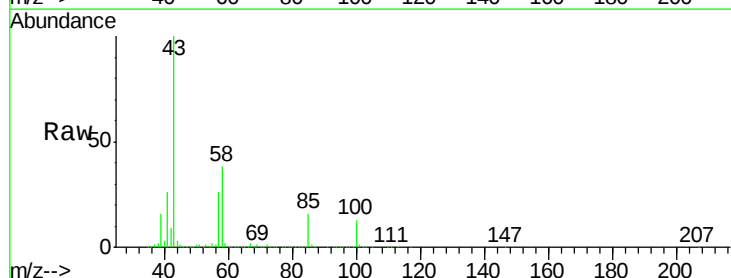
Acq: 15 Sep 2015 16:52

Tgt Ion: 43 Resp: 2689136

Ion Ratio Lower Upper

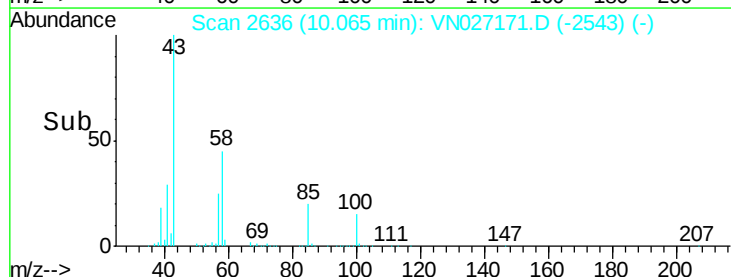
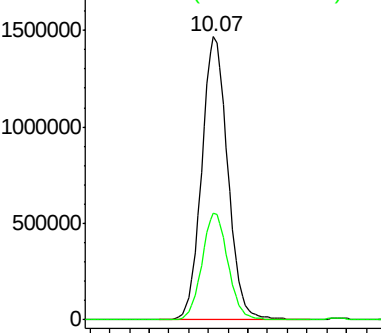
43 100

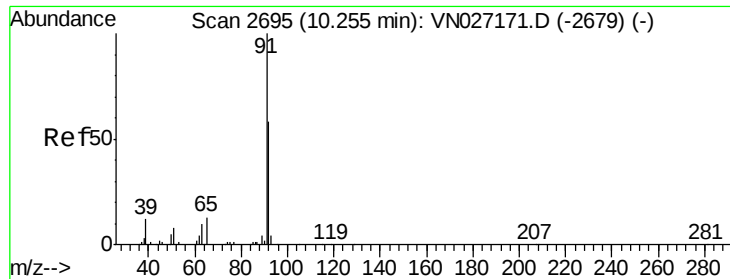
58 37.8 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#53

Toluene

Concen: 56.09 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 92 Resp: 1066362

Ion Ratio Lower Upper

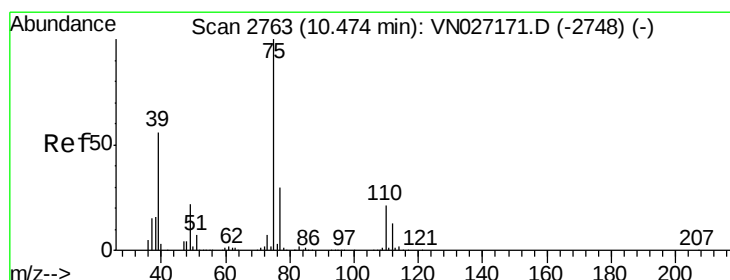
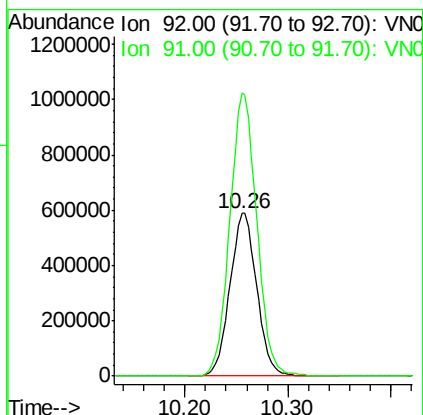
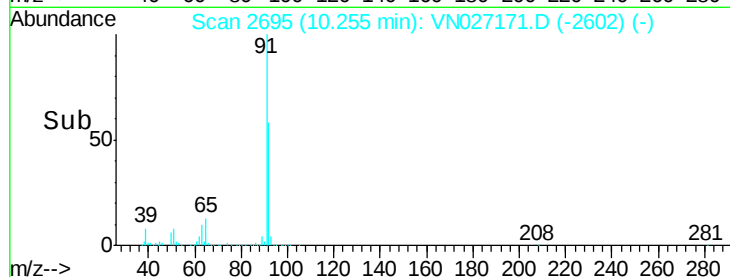
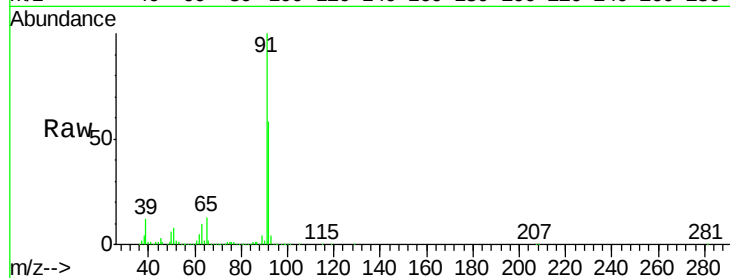
92 100

91 174.5 141.4 212.2

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#54

t-1,3-Dichloropropene

Concen: 74.31 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027171.D

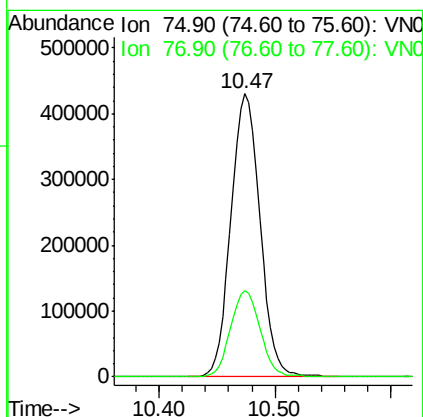
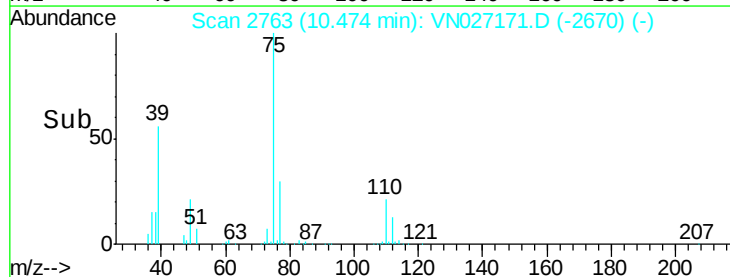
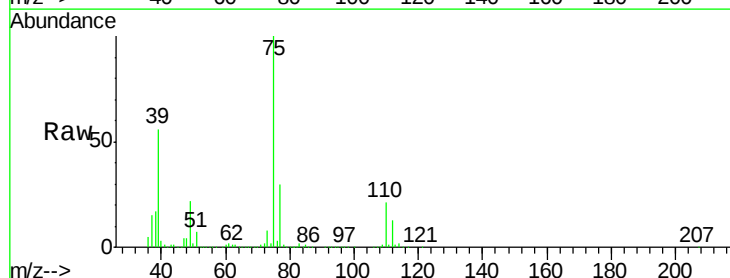
Acq: 15 Sep 2015 16:52

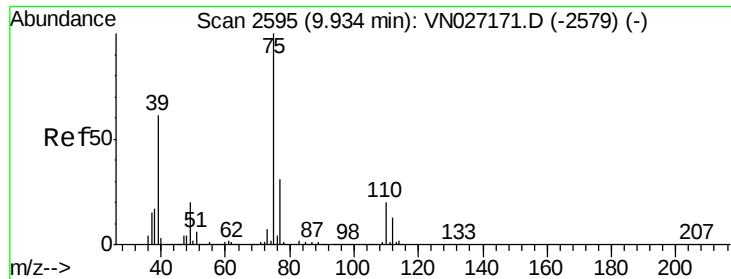
Tgt Ion: 75 Resp: 749317

Ion Ratio Lower Upper

75 100

77 30.3 25.4 38.2





#55

cis-1,3-Dichloropropene

Concen: 68.18 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

Instrument :

MSVOA_N

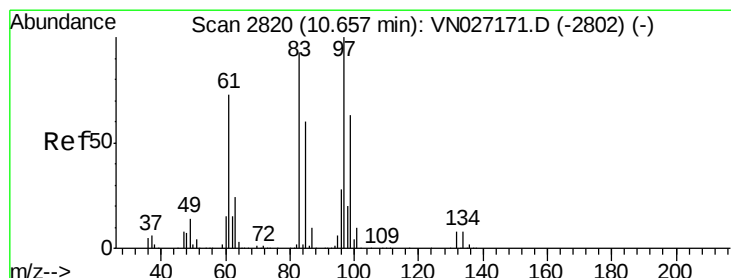
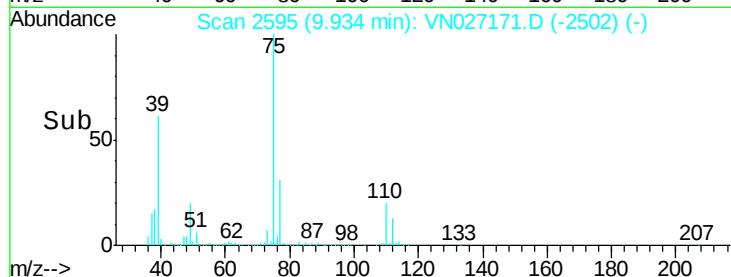
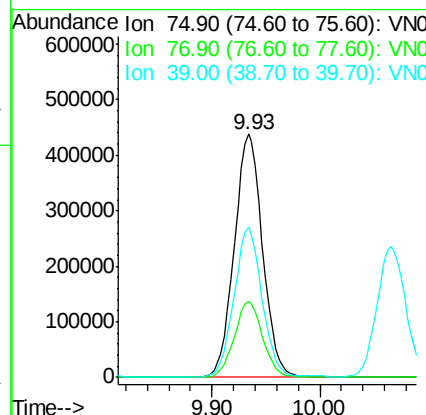
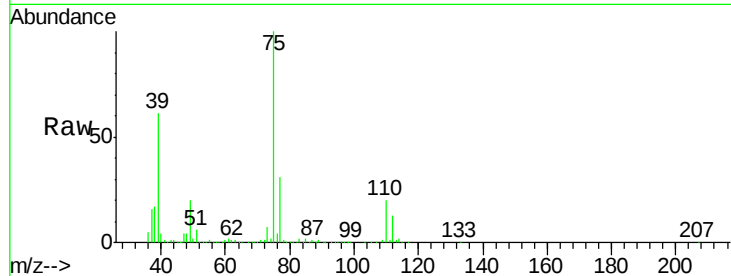
ClientSampled :

VSTDICCC050

Tot Ion:	75	Resp:	798989
Ion Ratio	Lower	Upper	
75	100		
77	31.3	25.6	38.4
39	61.2	41.6	62.4

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#56

1,1,2-Trichloroethane

Concen: 56.10 ug/l

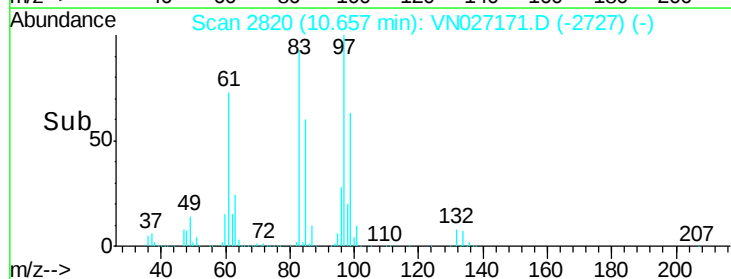
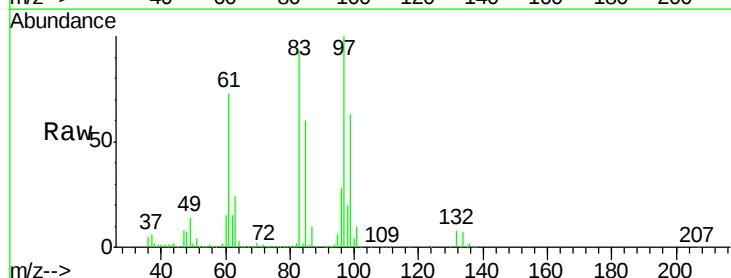
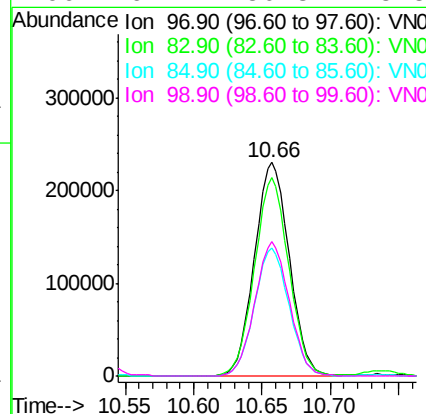
RT: 10.66 min Scan# 2820

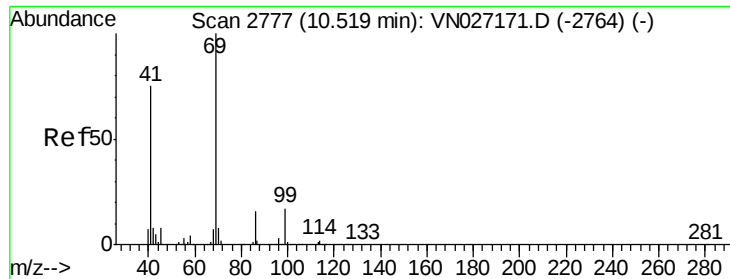
Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

Tgt Ion:	97	Resp:	407157
Ion Ratio	Lower	Upper	
97	100		
83	92.8	75.0	112.4
85	59.8	48.0	72.0
99	62.7	50.3	75.5





#57

Ethyl methacrylate

Concen: 70.87 ug/l

RT: 10.52 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

Instrument :

MSVOA_N

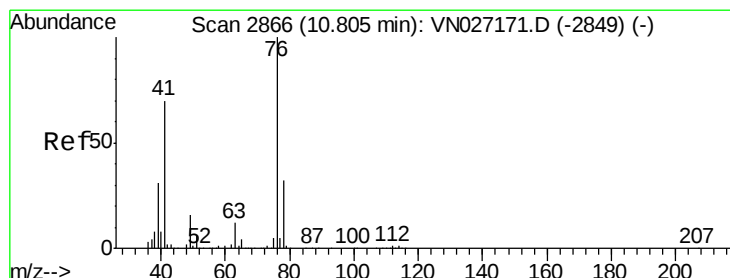
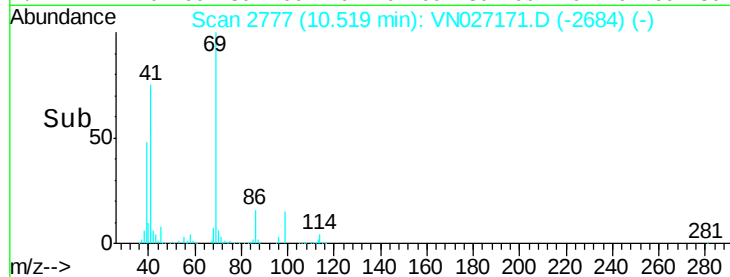
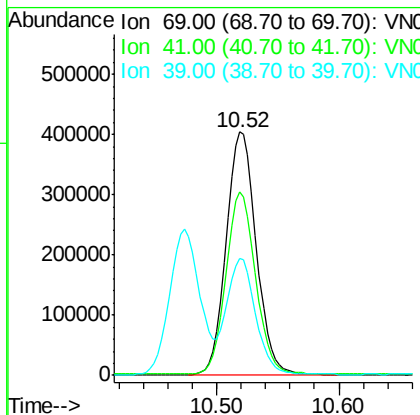
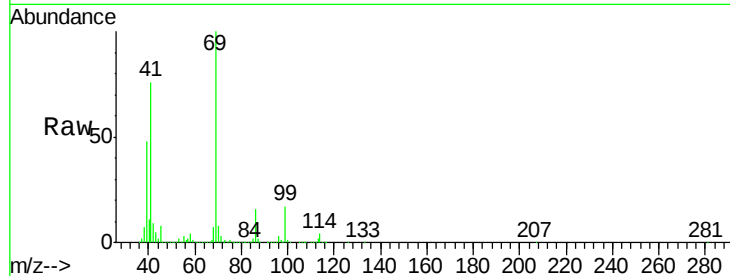
ClientSampled :

VSTDICCC050

Tot Ion:	69	Resp:	695235
Ion	Ratio	Lower	Upper
69	100		
41	73.8	61.3	91.9
39	45.8	28.4	42.6

Manual Integrations
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#58

1,3-Dichloropropane

Concen: 62.55 ug/l

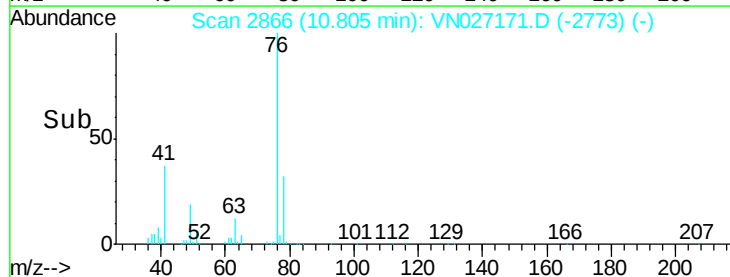
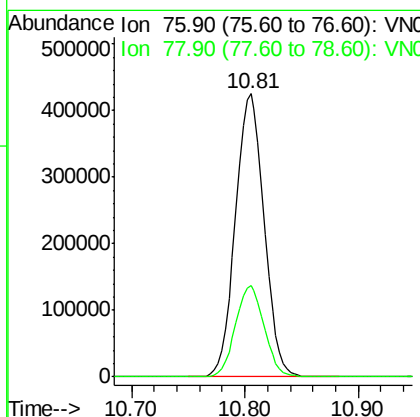
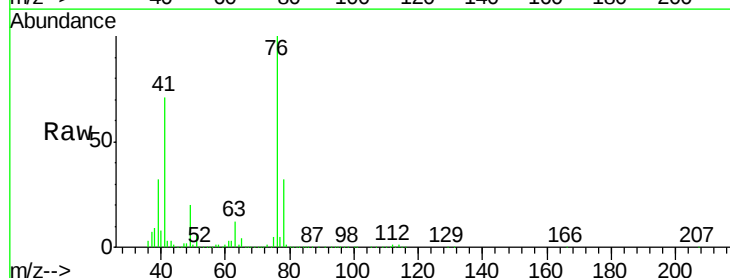
RT: 10.81 min Scan# 2866

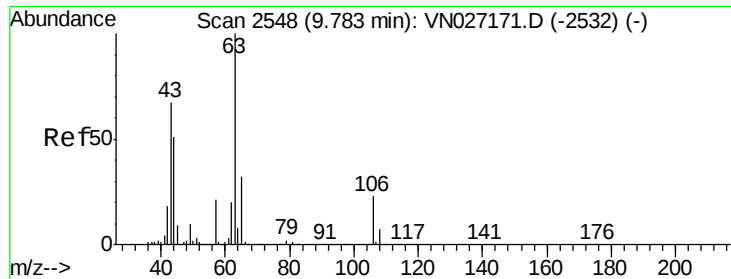
Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

Tgt Ion:	76	Resp:	751771
Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.0	37.6





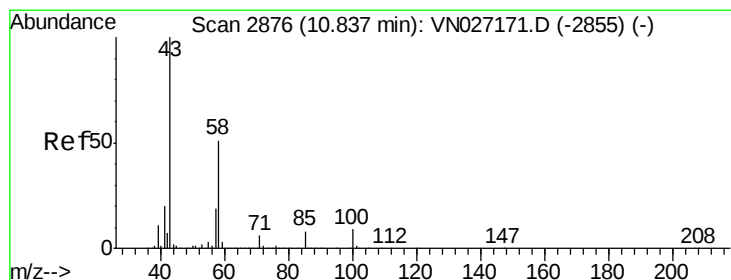
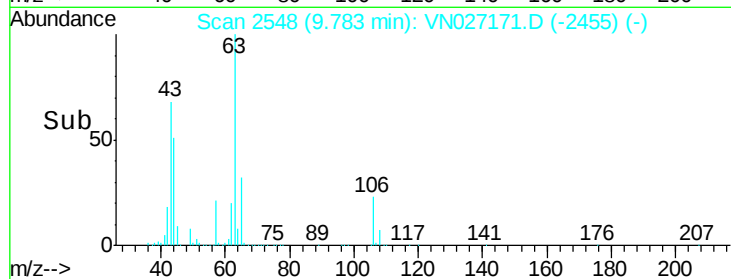
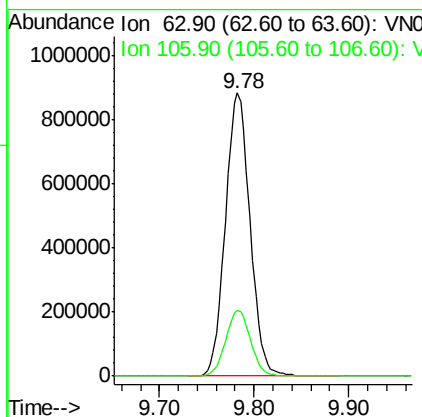
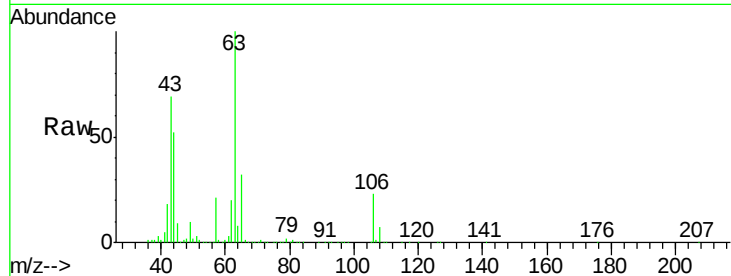
#59
2-Chloroethyl Vinyl ether
Concen: 418.99 ug/l
RT: 9.78 min Scan# 2548
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 63 Resp: 1599472
Ion Ratio Lower Upper
63 100
106 23.4 17.7 26.5

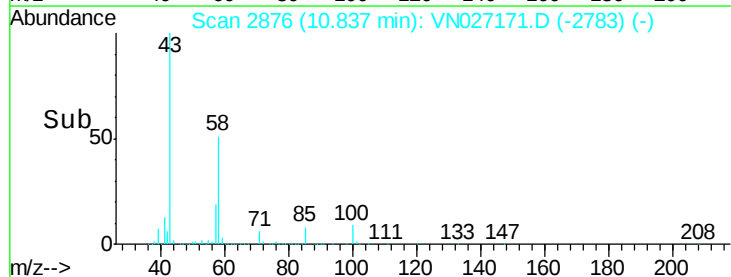
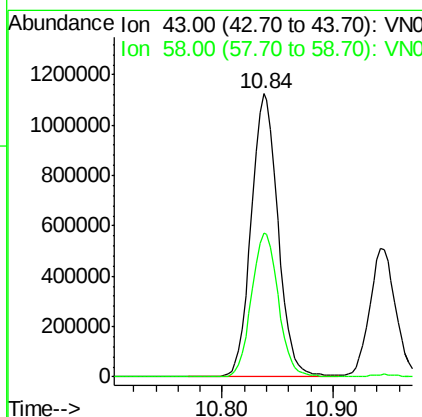
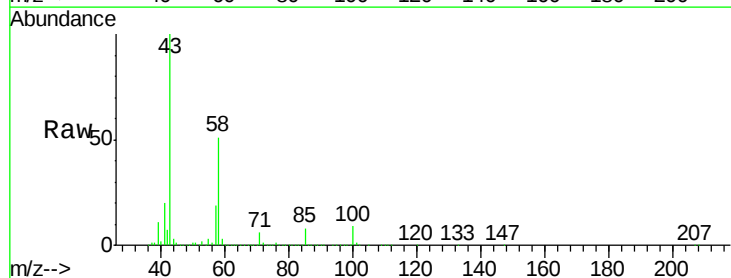
Manual Integrations
APPROVED

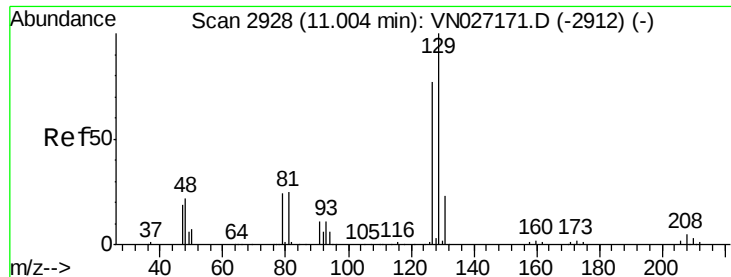
MMDadoda
9/16/2015 11:46:44 AM



#60
2-Hexanone
Concen: 381.71 ug/l
RT: 10.84 min Scan# 2876
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Tgt Ion: 43 Resp: 1881264
Ion Ratio Lower Upper
43 100
58 51.3 26.2 78.5





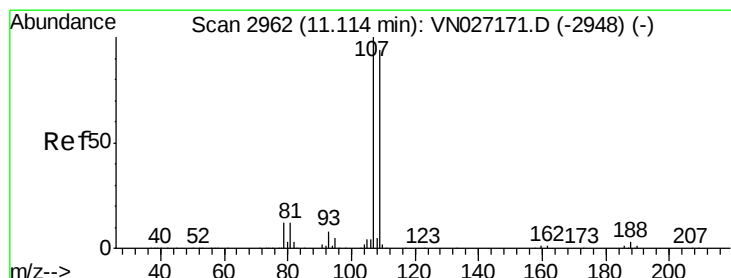
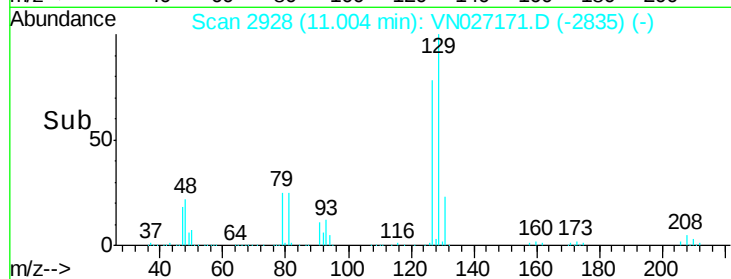
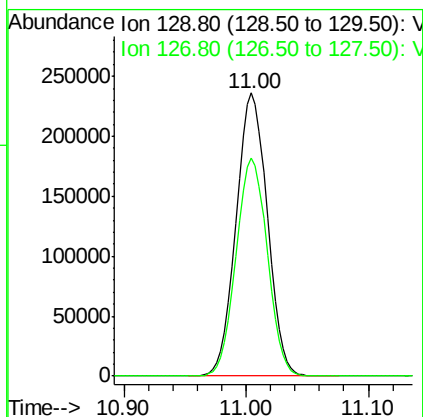
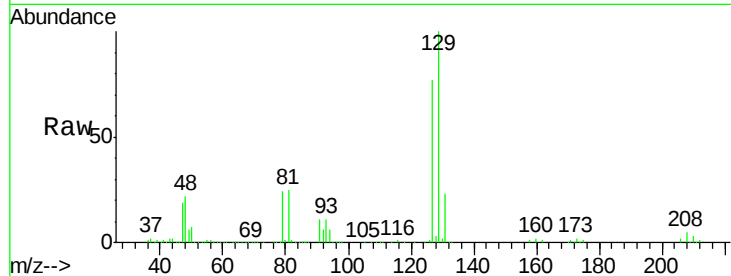
#61
 Dibromochloromethane
 Concen: 55.93 ug/l
 RT: 11.00 min Scan# 2928
 Delta R.T. 0.00 min
 Lab File: VN027171.D
 Acq: 15 Sep 2015 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.0	39.1	117.2

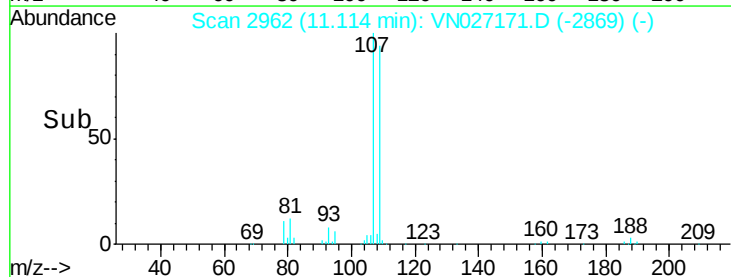
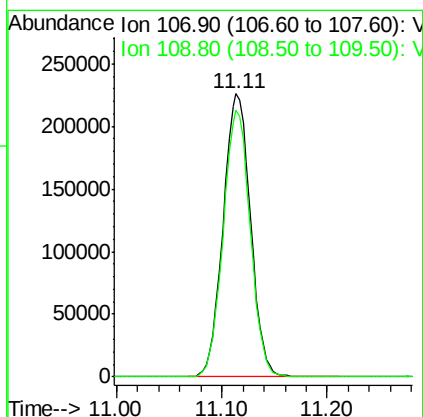
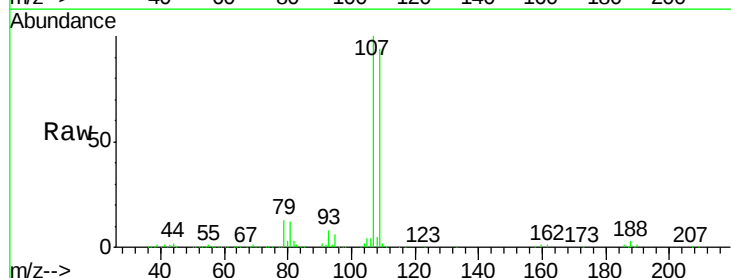
Manual Integrations
 APPROVED

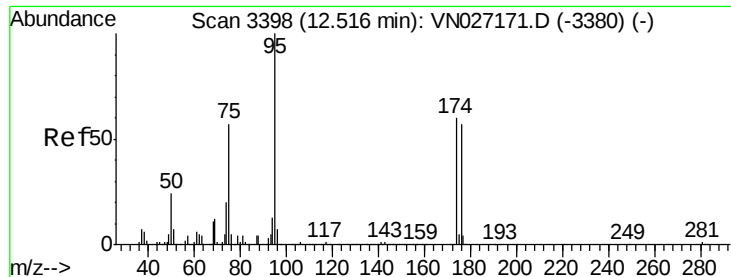
MMDadoda
 9/16/2015 11:46:44 AM



#62
 1,2-Dibromoethane
 Concen: 58.36 ug/l
 RT: 11.11 min Scan# 2962
 Delta R.T. 0.00 min
 Lab File: VN027171.D
 Acq: 15 Sep 2015 16:52

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.6	113.4





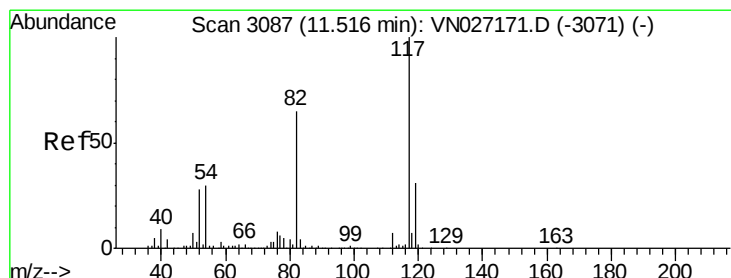
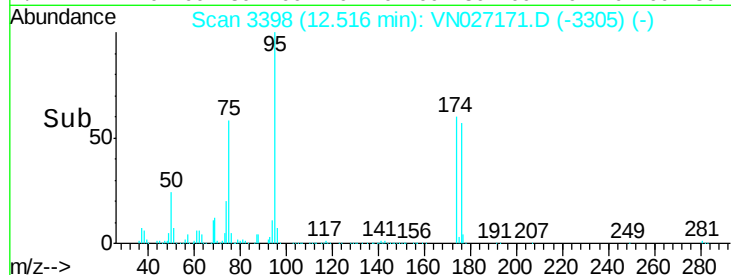
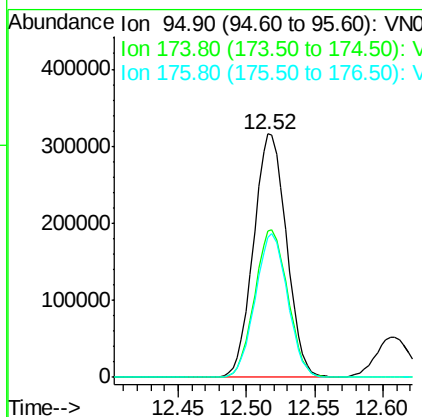
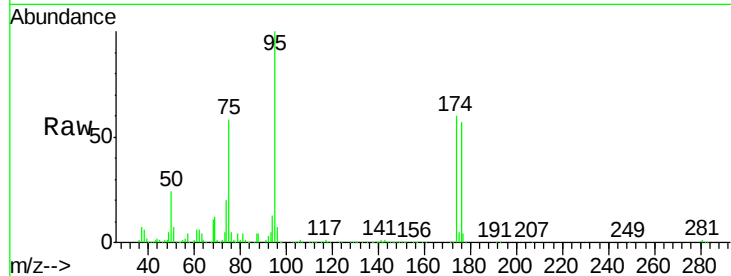
#63
4-Bromofluorobenzene
Concen: 61.13 ug/l
RT: 12.52 min Scan# 3398
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
95	100		
174	60.8	0.0	137.0
176	57.9	0.0	130.8

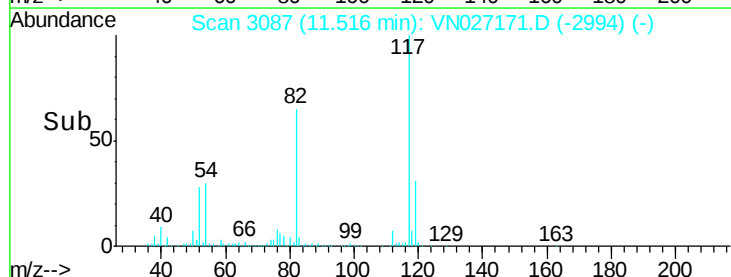
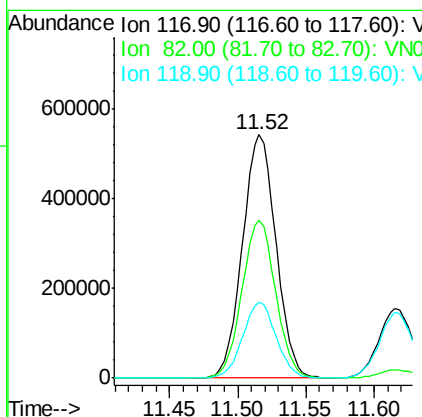
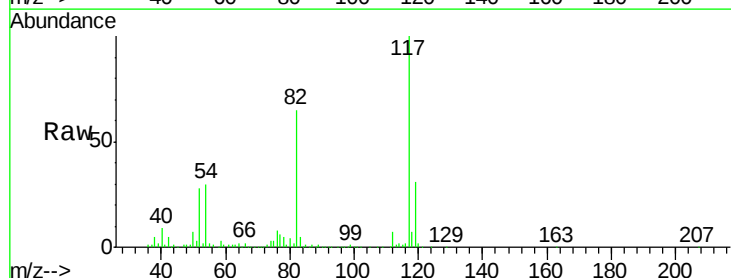
Manual Integrations
APPROVED

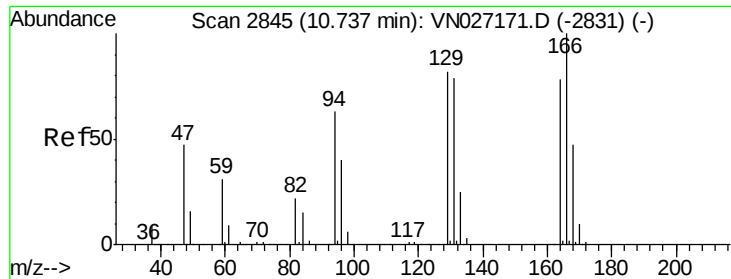
MMDadoda
9/16/2015 11:46:44 AM



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Tgt Ion	Ratio	Lower	Upper
117	100		
82	65.0	49.6	74.4
119	31.1	24.6	36.8





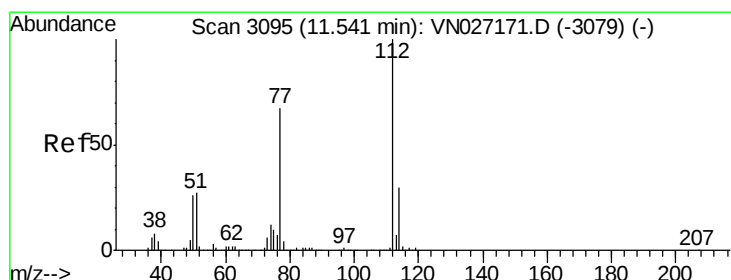
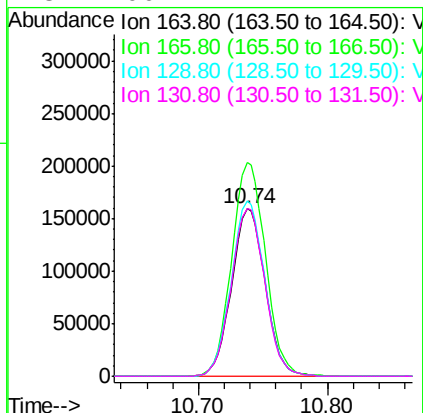
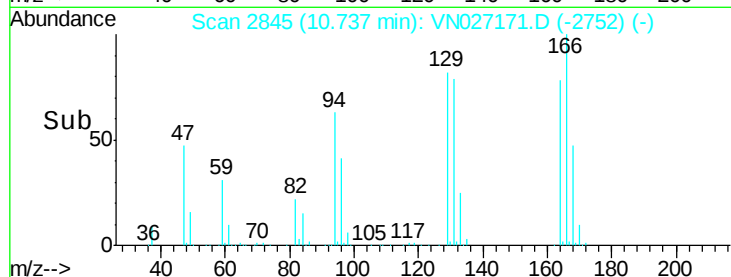
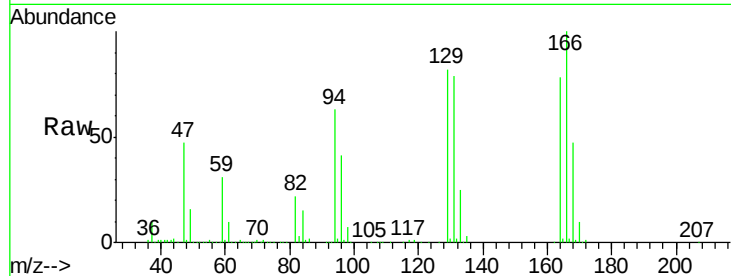
#65
Tetrachloroethene
Concen: 43.40 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	127.8	103.4	155.0	
129	105.0	77.5	116.3	
131	100.4	74.2	111.4	

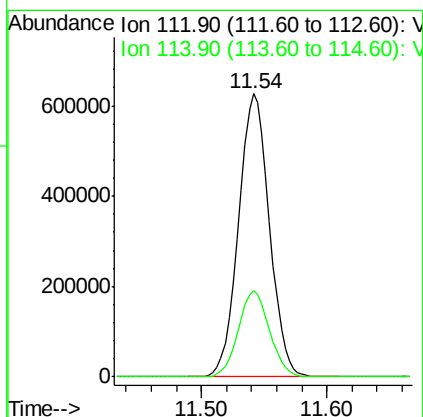
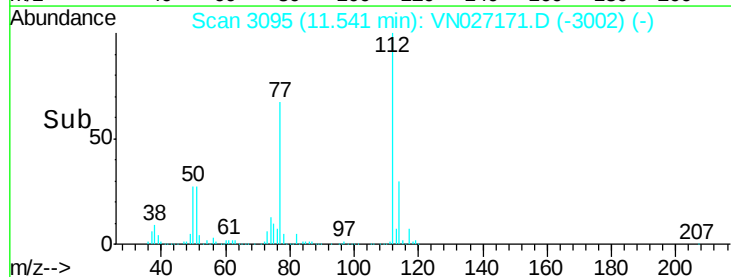
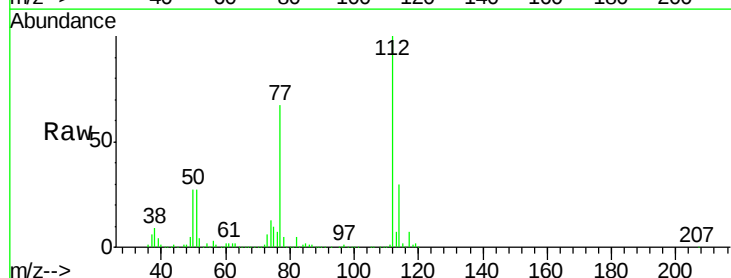
Manual Integrations
APPROVED

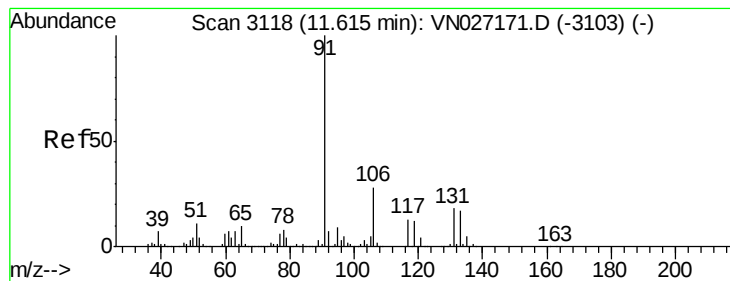
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9/16/2015 11:46:44 AM



#66
Chlorobenzene
Concen: 52.70 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	30.3	24.9	37.3	





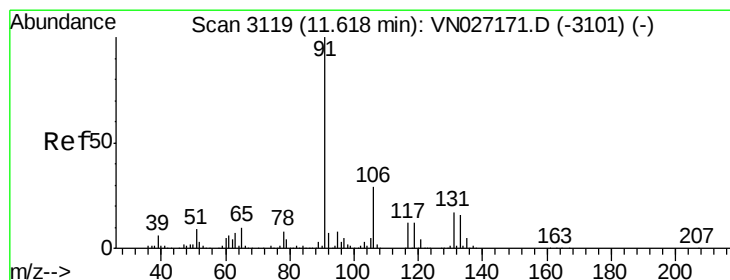
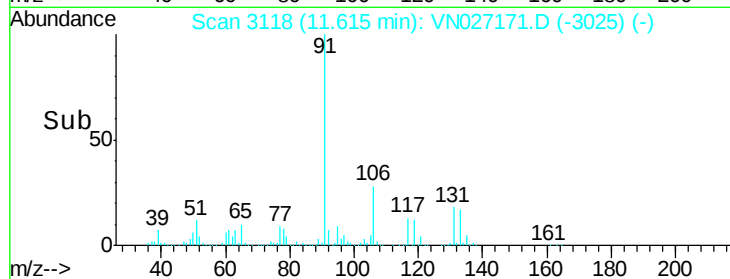
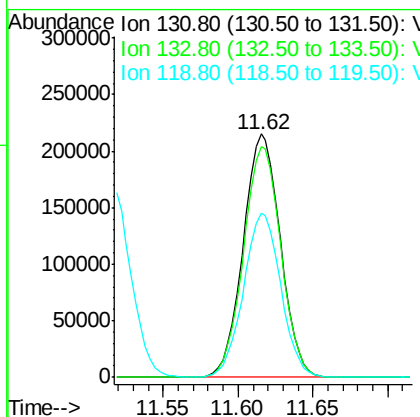
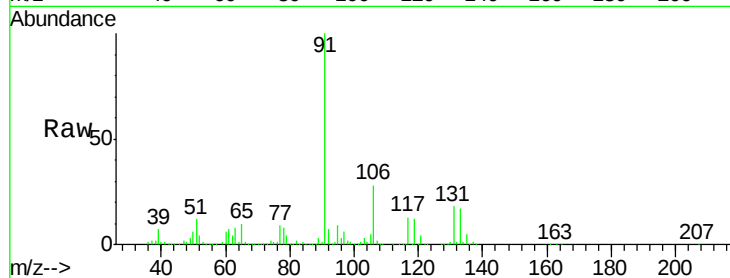
#67
1,1,1,2-Tetrachloroethane
Concen: 53.21 ug/l
RT: 11.62 min Scan# 3118
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.0	141.2
119	67.4	35.1	105.5

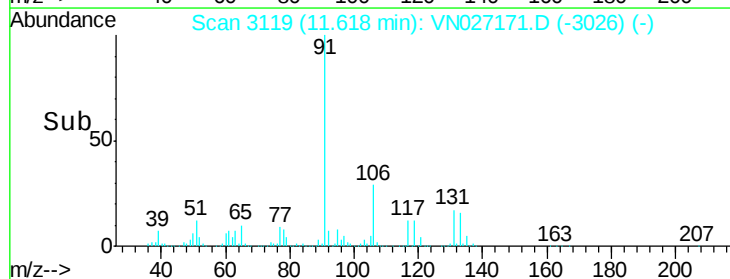
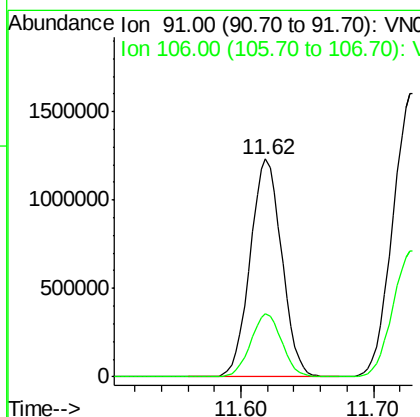
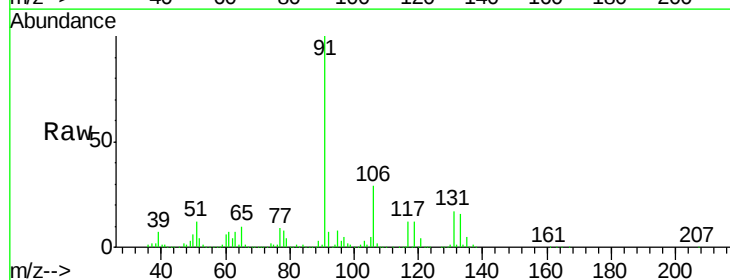
Manual Integrations
APPROVED

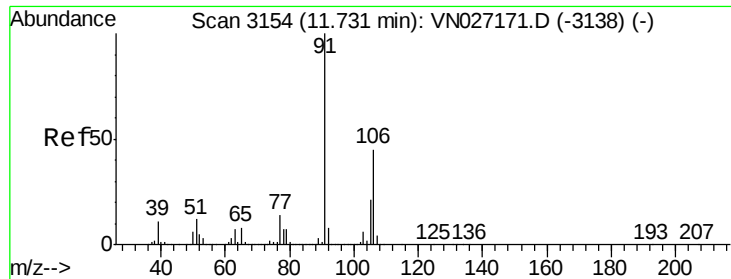
MMDadoda
9/16/2015 11:46:44 AM



#68
Ethyl Benzene
Concen: 59.91 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.8	23.1	34.7





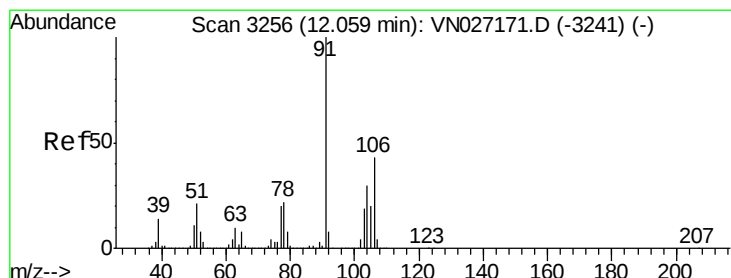
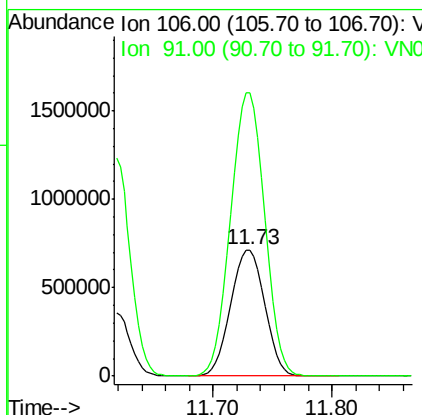
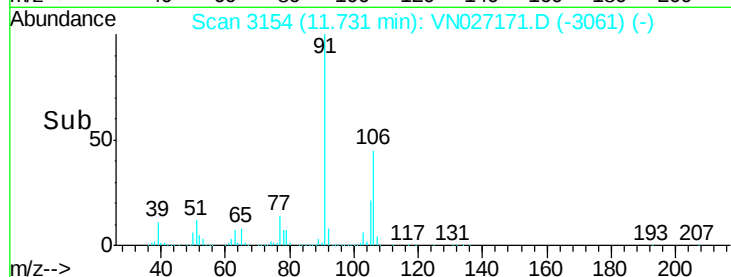
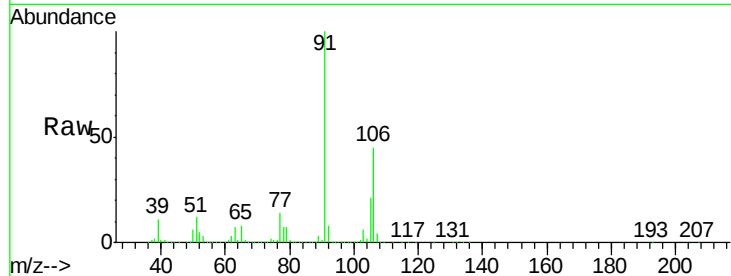
#69
m/p-Xylenes
Concen: 112.14 ug/l
RT: 11.73 min Scan# 3154
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 1419084
Ion Ratio Lower Upper
106 100
91 223.7 167.1 250.7

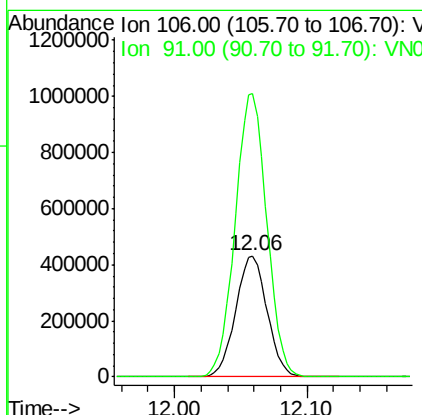
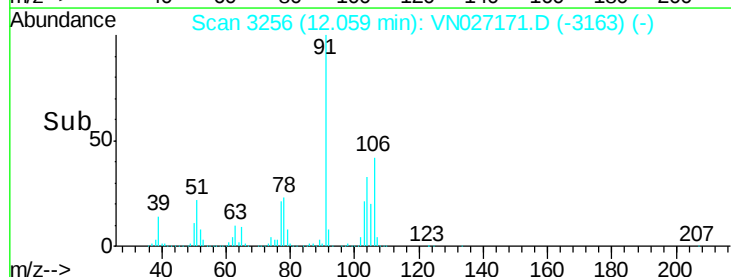
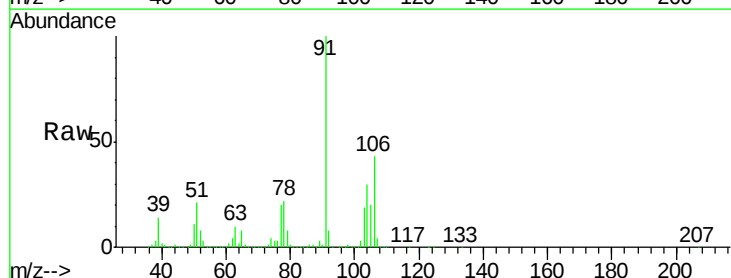
Manual Integrations
APPROVED

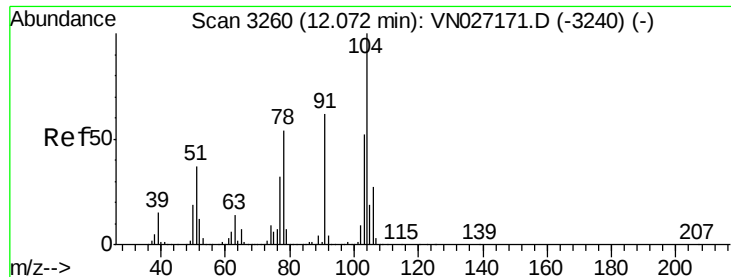
MMDadoda
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#70
o-Xylene
Concen: 57.08 ug/l
RT: 12.06 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Tgt Ion:106 Resp: 710803
Ion Ratio Lower Upper
106 100
91 234.6 110.7 331.9





#71

Stvrene

Concen: 58.84 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:104 Resp: 1177805

Ion Ratio Lower Upper

104 100

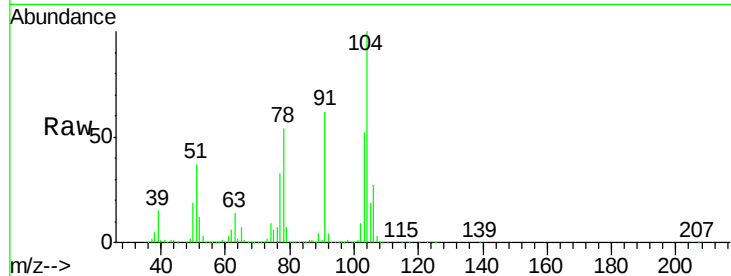
78 58.8 41.6 62.4

103 55.3 44.2 66.2

Manual Integrations
APPROVED

MMDadoda

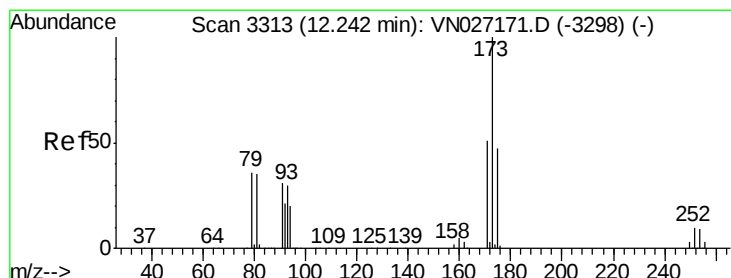
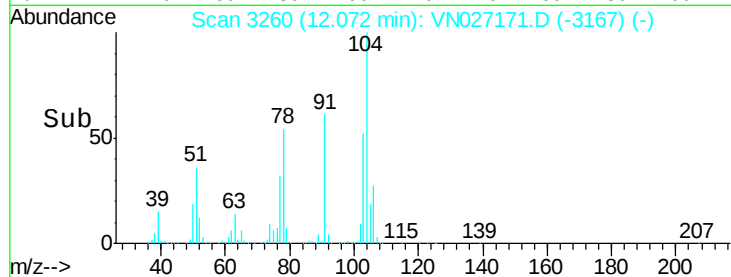
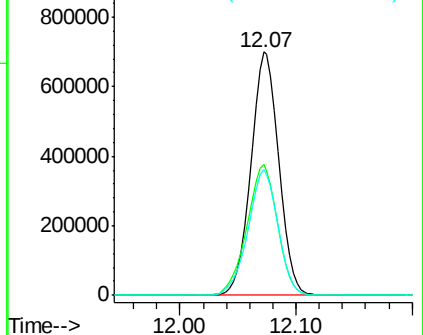
9/16/2015 11:46:44 AM



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

Bromoform

Concen: 54.98 ug/l

RT: 12.24 min Scan# 3313

Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

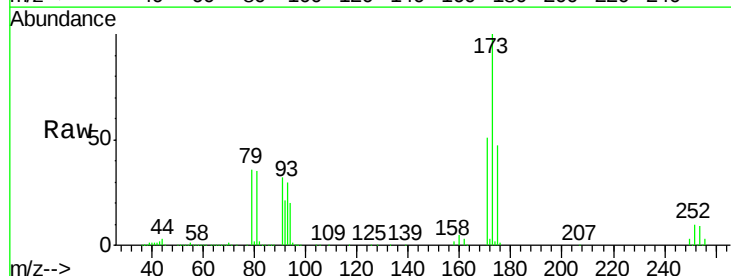
Tgt Ion:173 Resp: 266081

Ion Ratio Lower Upper

173 100

175 47.3 24.4 73.4

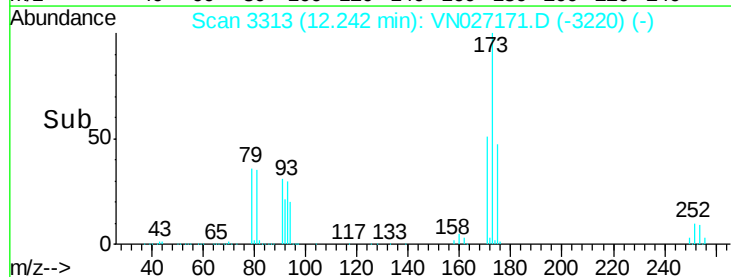
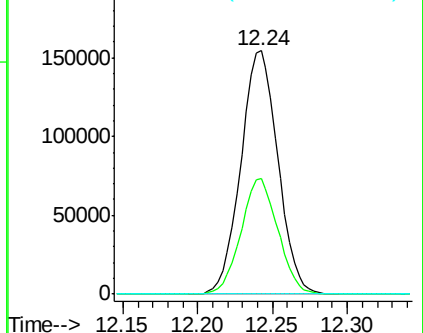
254 0.1 0.1 0.1

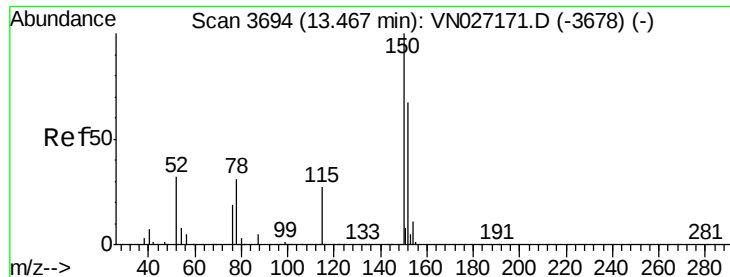


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN027171.D

Acq: 15 Sep 2015 16:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:152 Resp: 362895

Ion Ratio Lower Upper

152 100

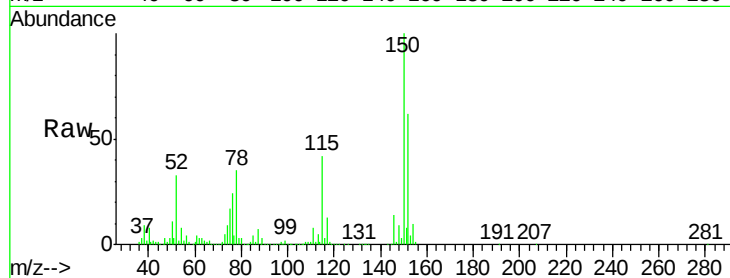
115 66.6 30.8 92.3

150 174.6 0.0 345.0

Manual Integrations
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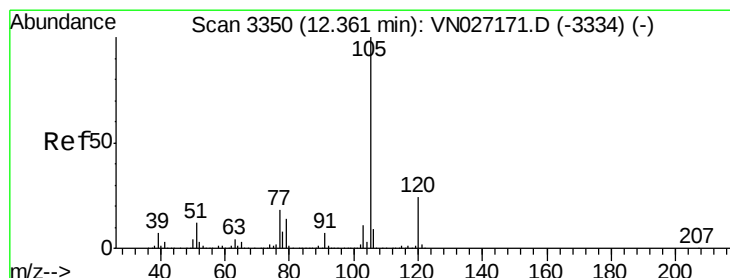
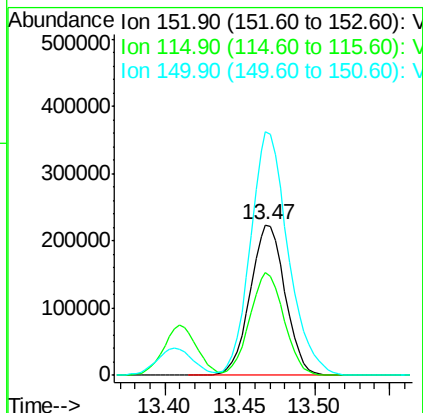
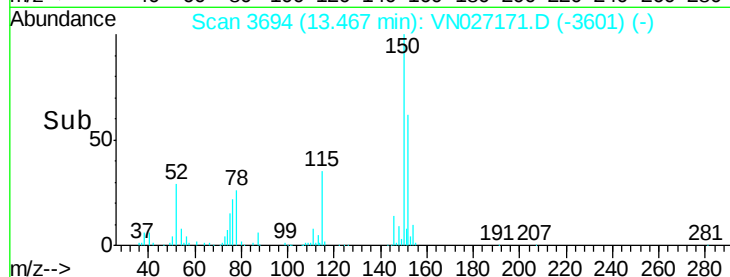
9/16/2015 11:46:44 AM



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

Isopropylbenzene

Concen: 60.95 ug/l

RT: 12.36 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VN027171.D

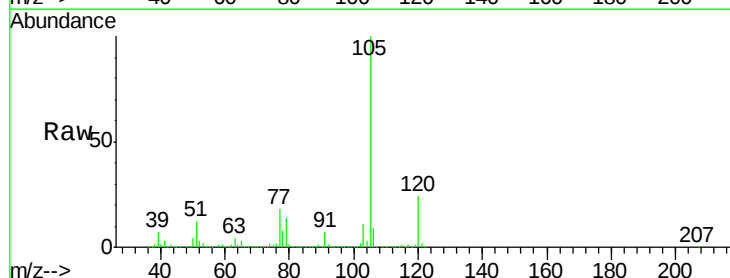
Acq: 15 Sep 2015 16:52

Tgt Ion:105 Resp: 1908346

Ion Ratio Lower Upper

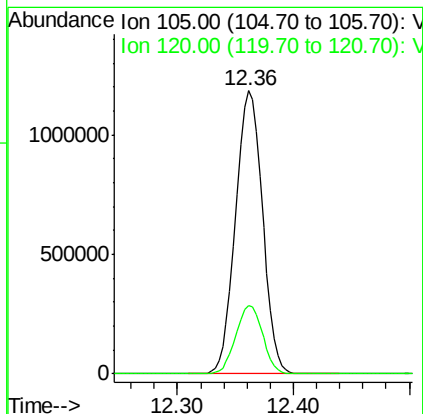
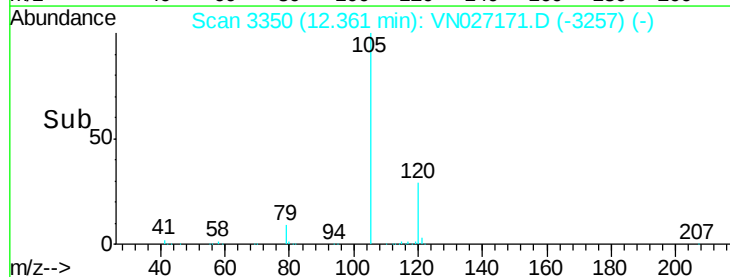
105 100

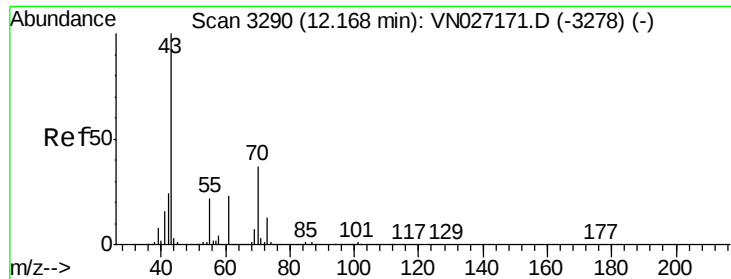
120 24.1 12.4 37.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





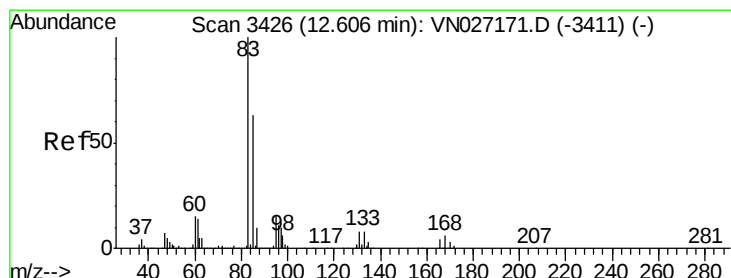
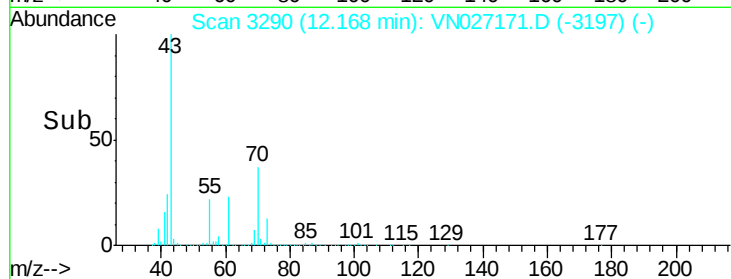
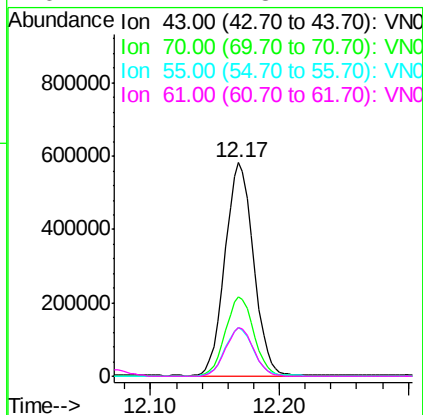
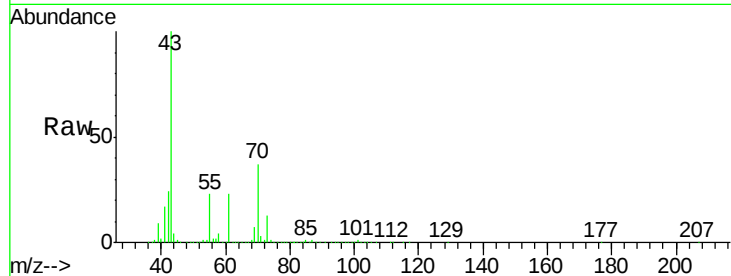
#75
N-amvl acetate
Concen: 93.02 ug/l
RT: 12.17 min Scan# 3290
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		891397		
70	37.1	29.8	44.8		
55	22.2	19.4	29.0		
61	22.7	18.2	27.2		

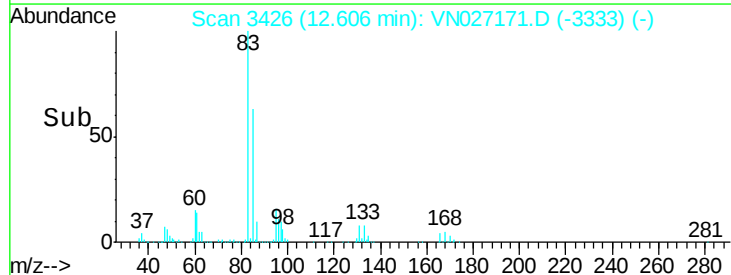
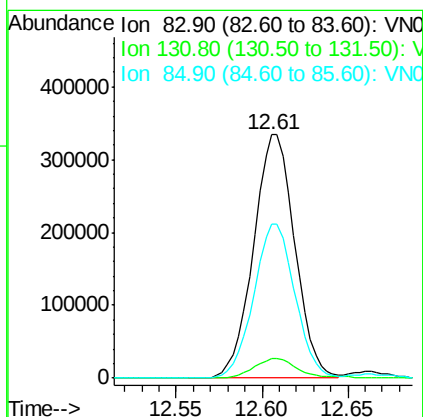
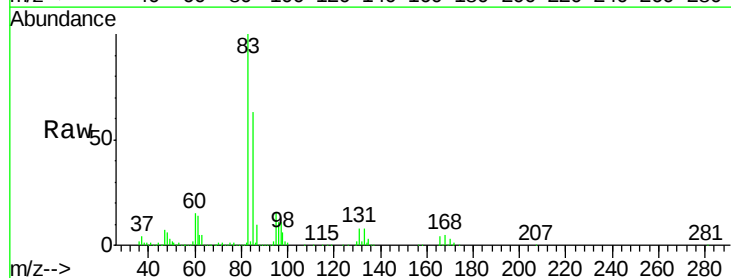
Manual Integrations
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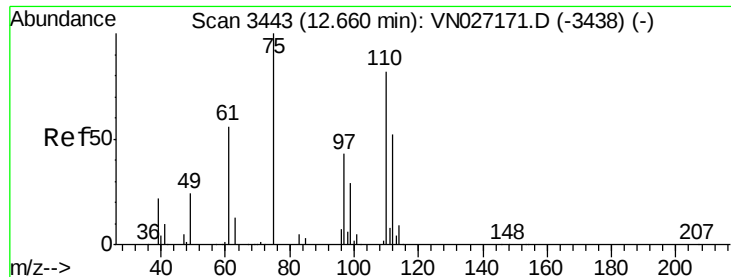
MMDadoda
9/16/2015 11:46:44 AM



#76
1,1,2,2-Tetrachloroethane
Concen: 65.36 ug/l
RT: 12.61 min Scan# 3426
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		555456		
131	8.6	4.1	12.3		
85	62.9	31.9	95.7		





#77

1,2,3-Trichloropropane

Concen: 73.83 ug/l m

RT: 12.66 min Scan# 3443

Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 75 Resp: 530211

Ion Ratio Lower Upper

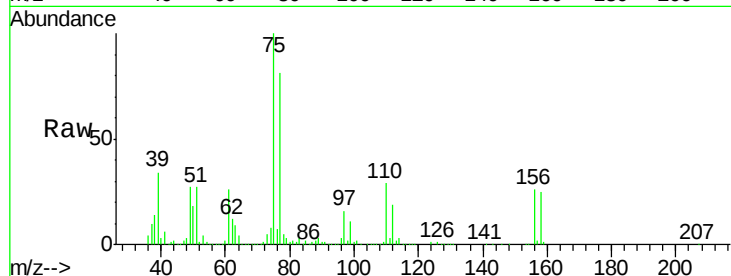
75 100

77 194.2 103.1 309.3

Manual Integrations
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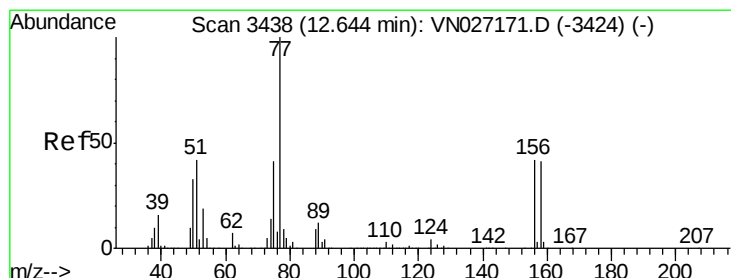
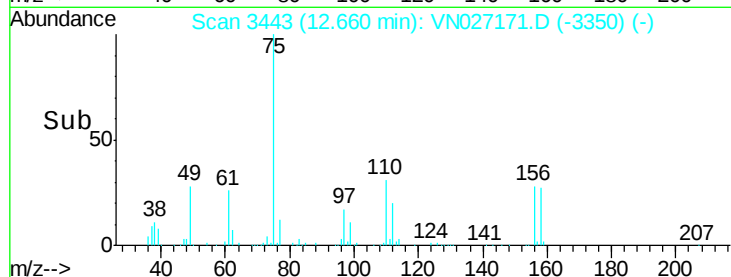
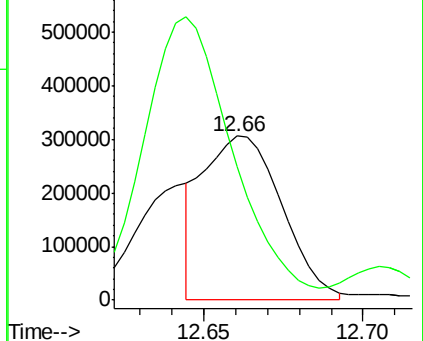
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

Bromobenzene

Concen: 48.88 ug/l

RT: 12.64 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

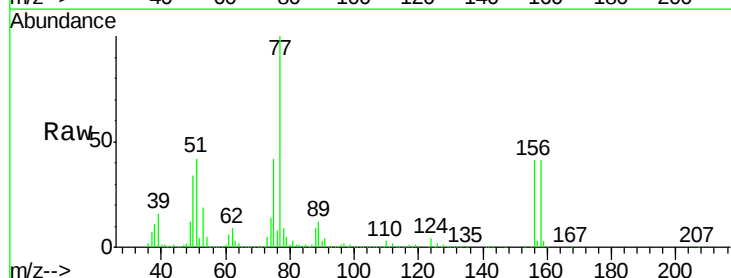
Tgt Ion: 156 Resp: 368886

Ion Ratio Lower Upper

156 100

77 279.1 127.3 381.9

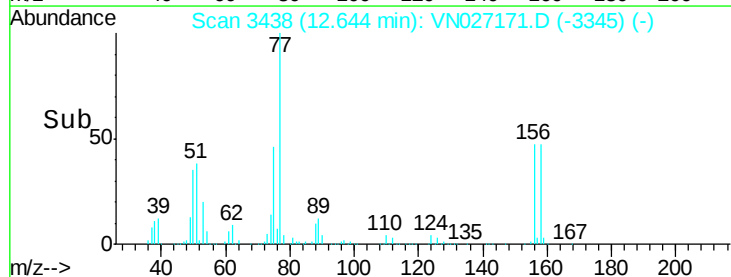
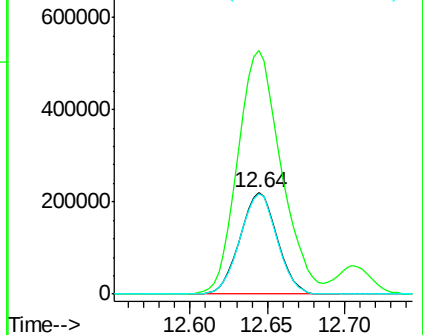
158 98.5 48.0 144.2

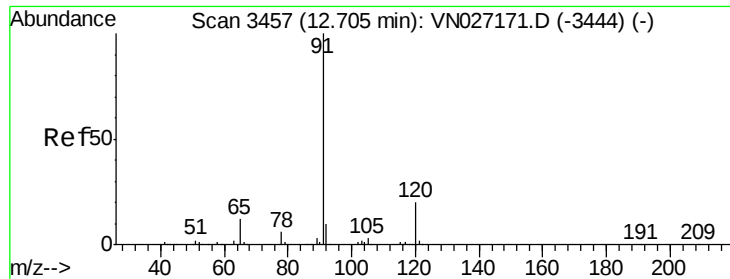


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





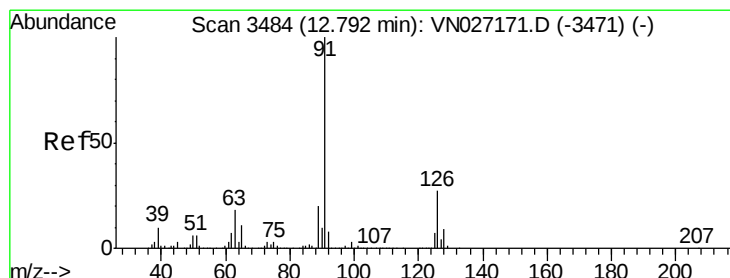
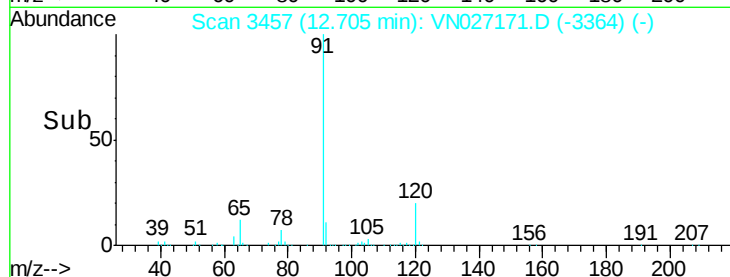
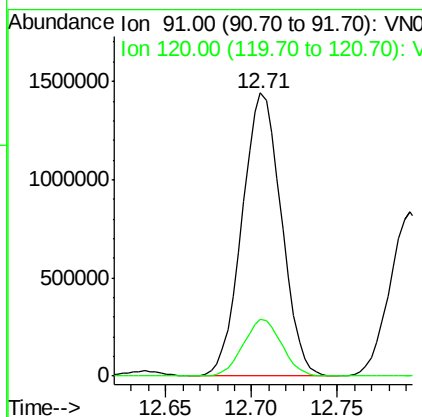
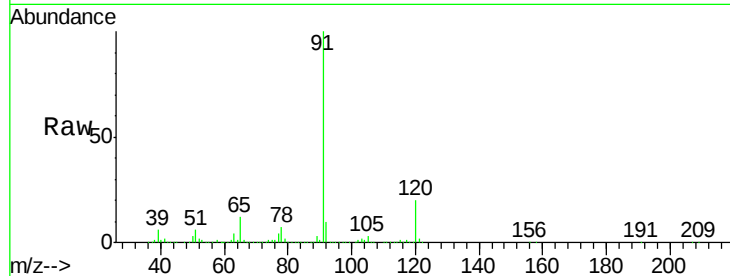
#79
n-propylbenzene
Concen: 66.25 ug/l
RT: 12.71 min Scan# 3457
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 2282791
Ion Ratio Lower Upper
91 100
120 19.8 10.3 30.8

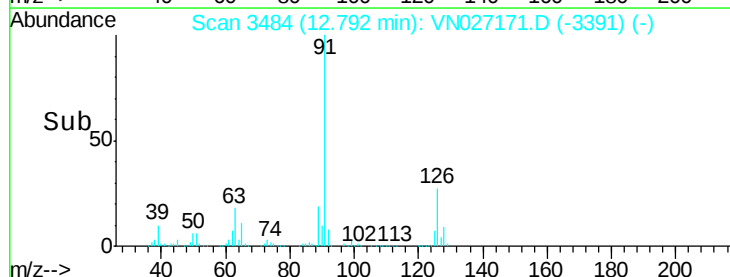
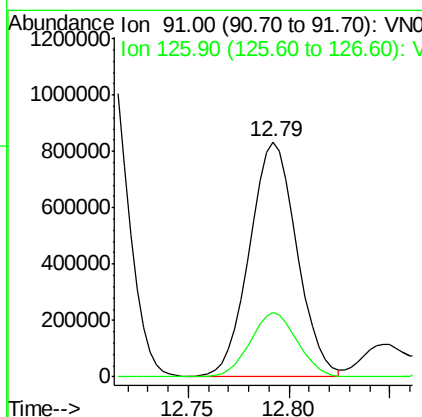
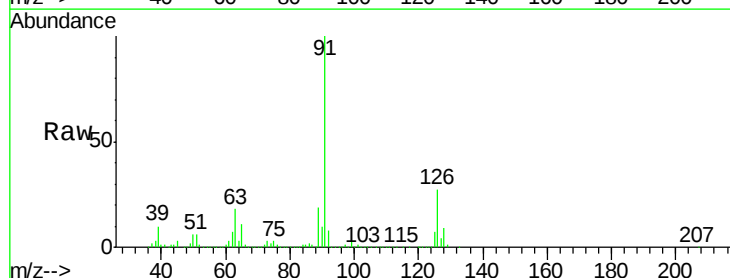
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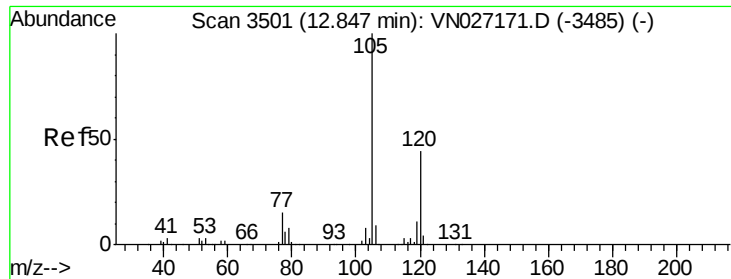
MMDadoda
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#80
2-Chlorotoluene
Concen: 63.69 ug/l
RT: 12.79 min Scan# 3484
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Tgt Ion: 91 Resp: 1358839
Ion Ratio Lower Upper
91 100
126 27.6 15.2 45.5





#81

1,3,5-Trimethylbenzene

Concen: 64.58 ug/l

RT: 12.85 min Scan# 3501

Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:105 Resp: 1536243

Ion Ratio Lower Upper

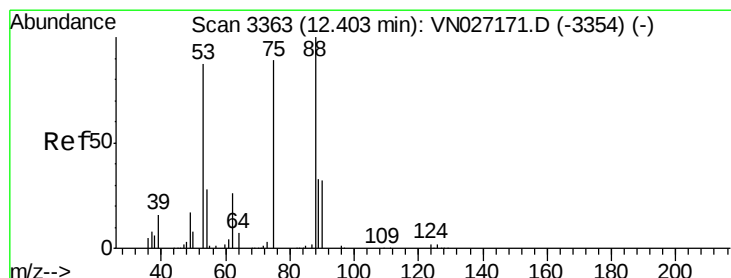
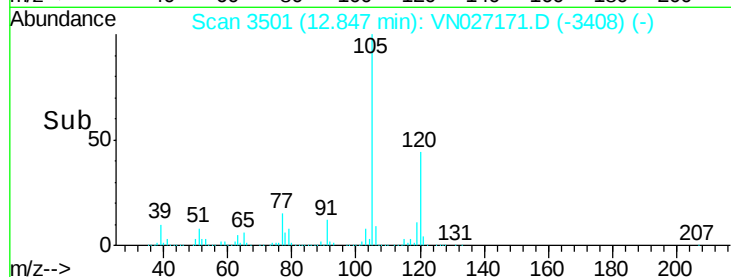
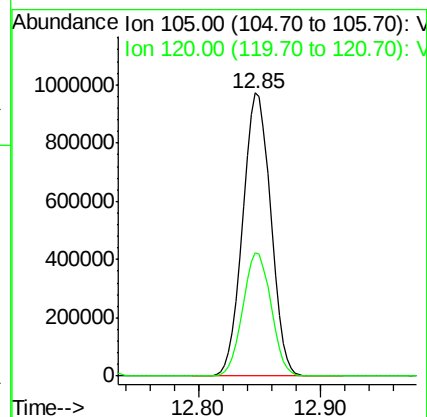
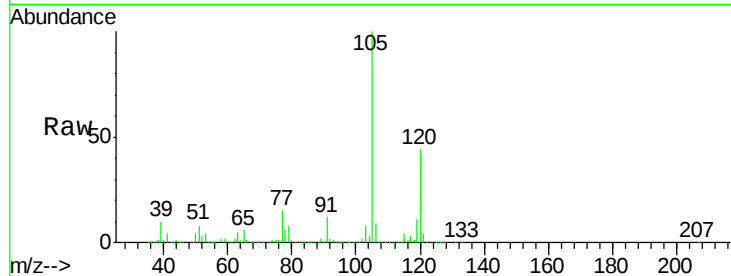
105 100

120 43.9 23.4 70.0

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#82

trans-1,4-Dichloro-2-butene

Concen: 87.04 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

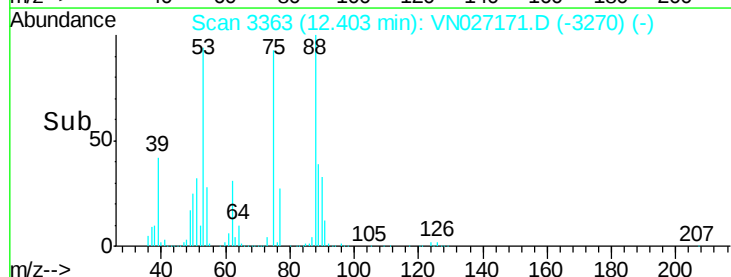
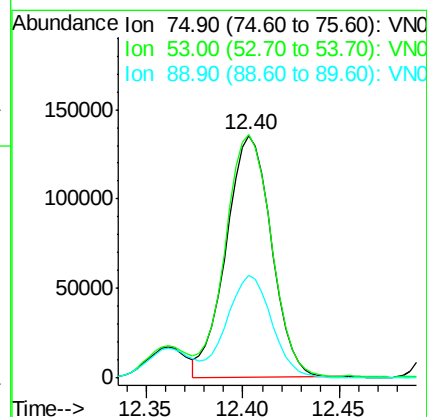
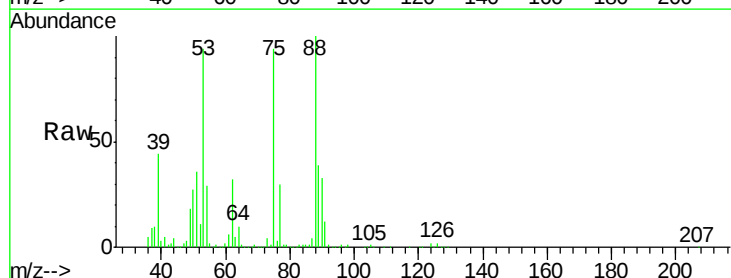
Tgt Ion: 75 Resp: 219679

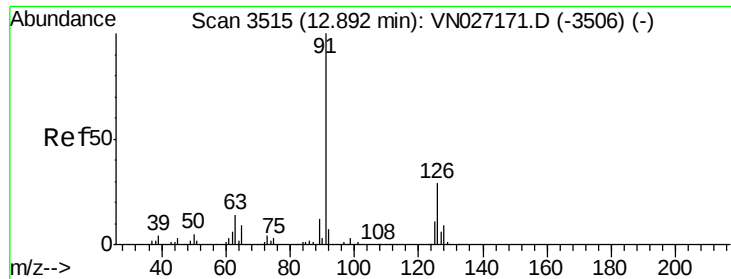
Ion Ratio Lower Upper

75 100

53 101.5 92.9 139.3

89 42.7 34.2 51.4





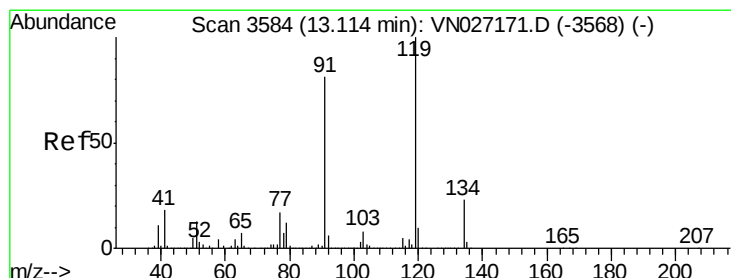
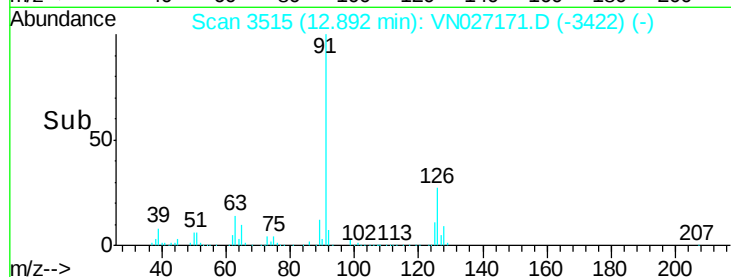
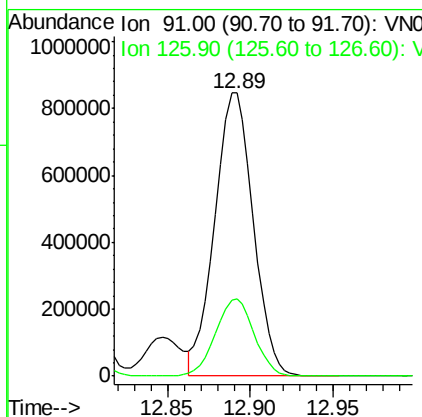
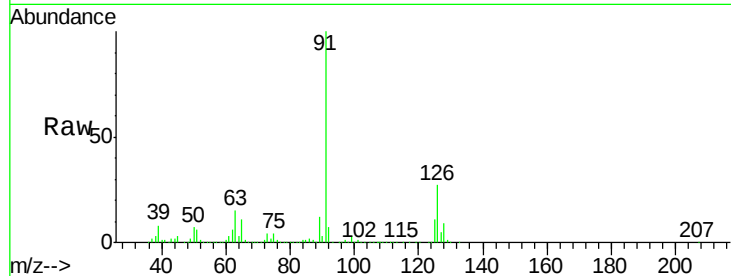
#83
4-Chlorotoluene
Concen: 66.02 ug/l
RT: 12.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1362735
Ion Ratio Lower Upper
91 100
126 27.4 14.9 44.5

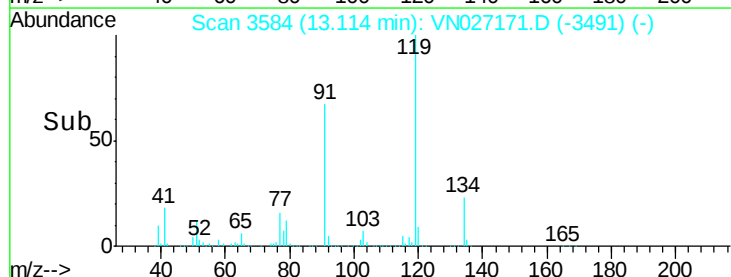
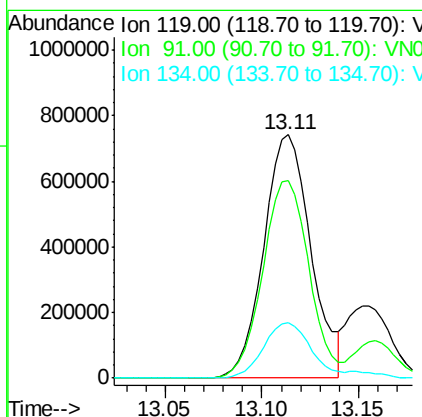
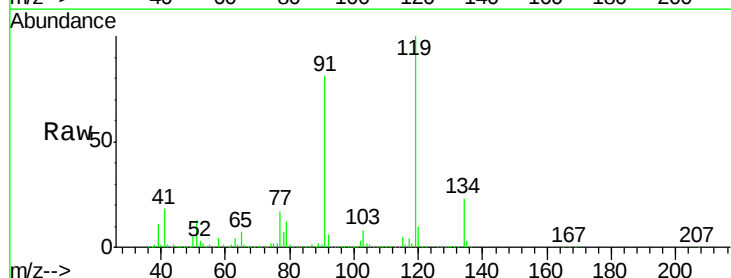
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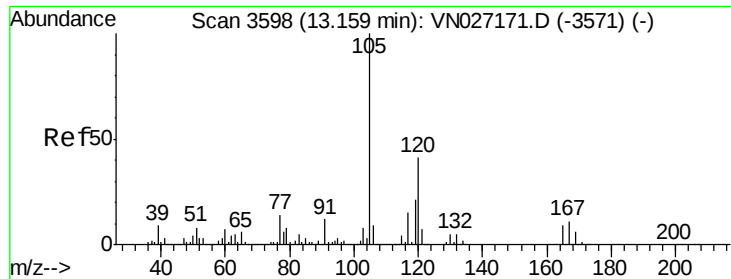
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#84
tert-Butylbenzene
Concen: 59.05 ug/l
RT: 13.11 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Tgt Ion: 119 Resp: 1257514
Ion Ratio Lower Upper
119 100
91 79.2 34.6 103.8
134 22.9 11.4 34.2





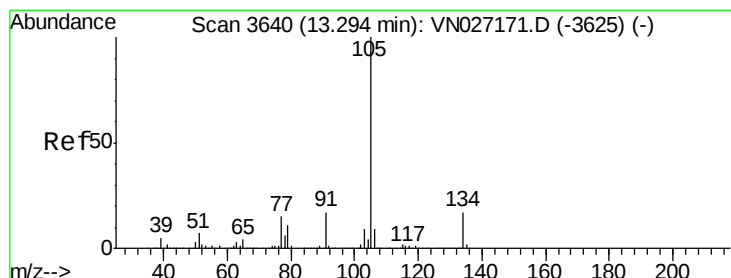
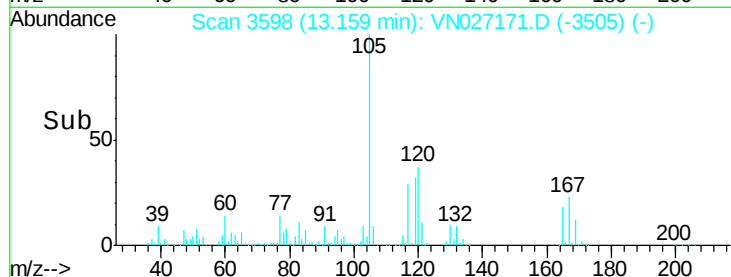
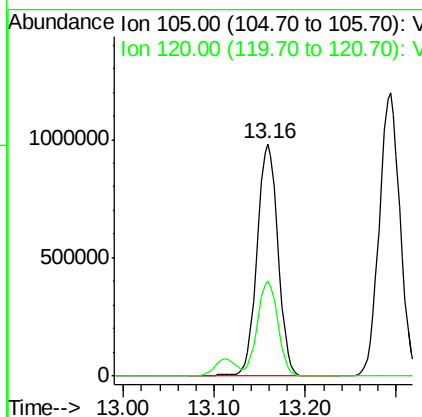
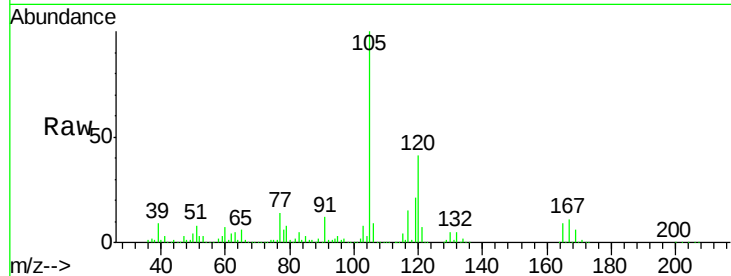
#85
 1,2,4-Trimethylbenzene
 Concen: 65.06 ug/l
 RT: 13.16 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN027171.D
 Acq: 15 Sep 2015 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 1560544
 Ion Ratio Lower Upper
 105 100
 120 40.6 21.9 65.5

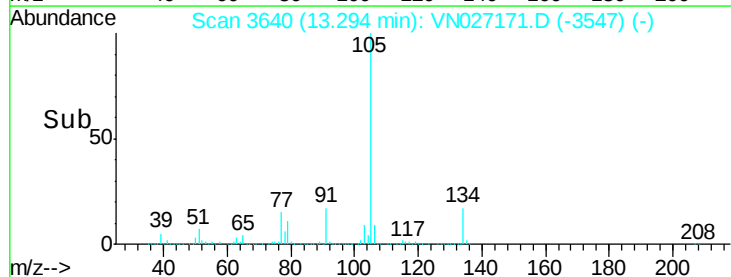
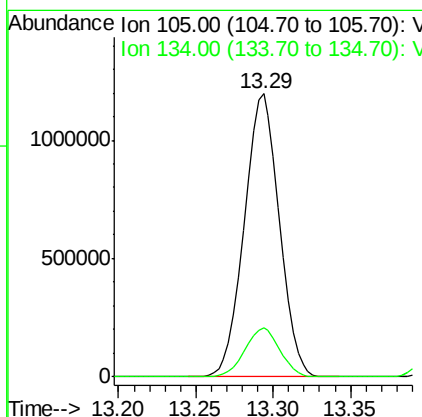
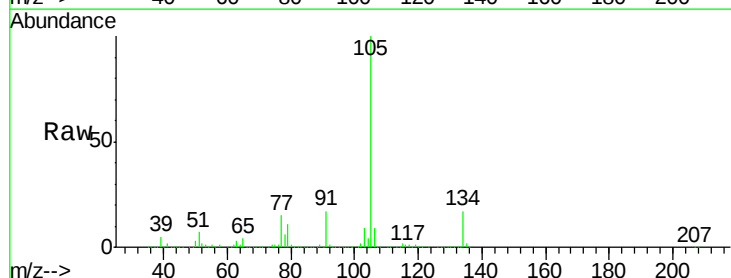
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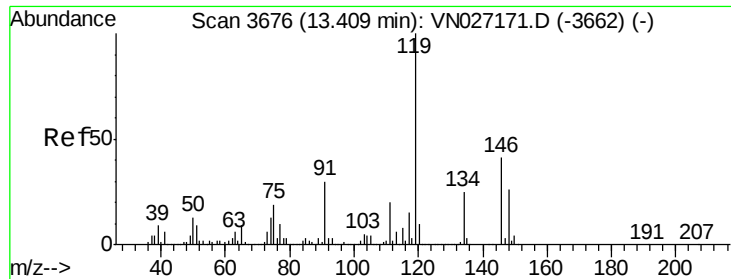
MMDadoda
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#86
 sec-Butylbenzene
 Concen: 64.06 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN027171.D
 Acq: 15 Sep 2015 16:52

Tgt Ion:105 Resp: 1883671
 Ion Ratio Lower Upper
 105 100
 134 17.3 8.8 26.4





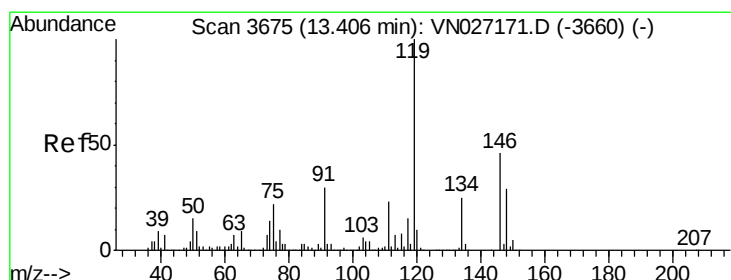
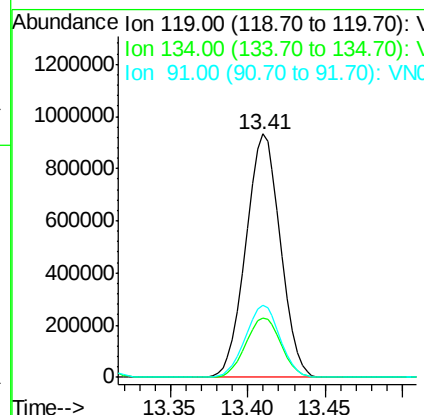
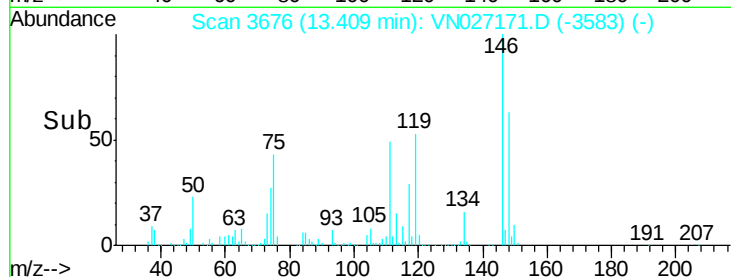
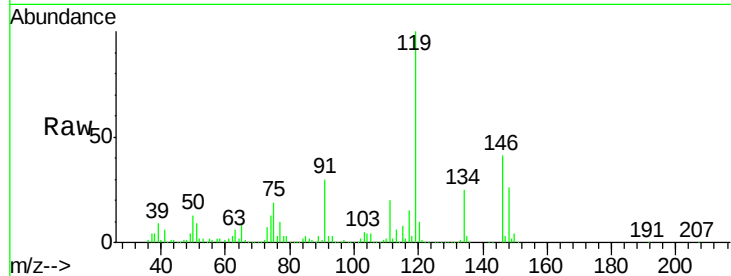
#87
p-Isopropyltoluene
Concen: 60.52 ug/l
RT: 13.41 min Scan# 3676
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.7	12.4	37.0
91	29.6	12.0	36.1

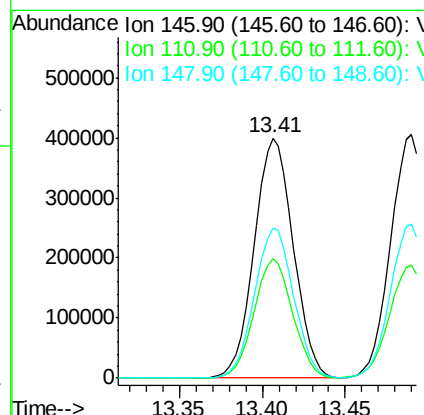
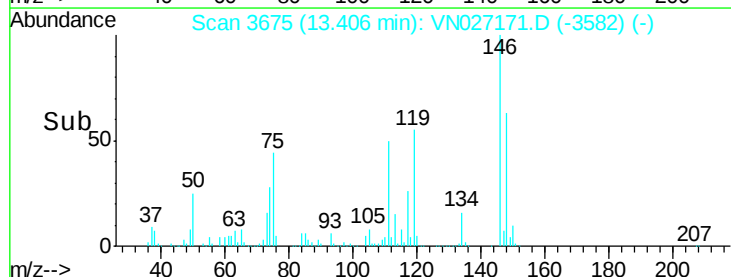
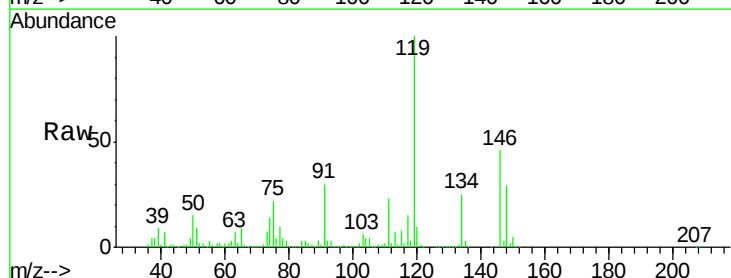
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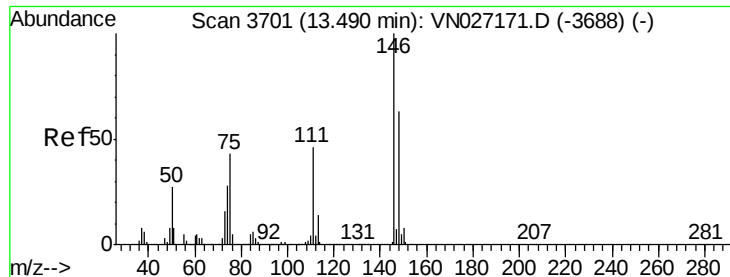
MMDadoda
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#88
1,3-Dichlorobenzene
Concen: 50.10 ug/l
RT: 13.41 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN027171.D
Acq: 15 Sep 2015 16:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.1	21.0	63.0
148	62.6	31.9	95.9





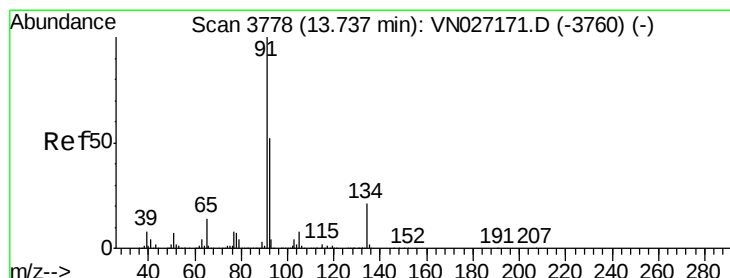
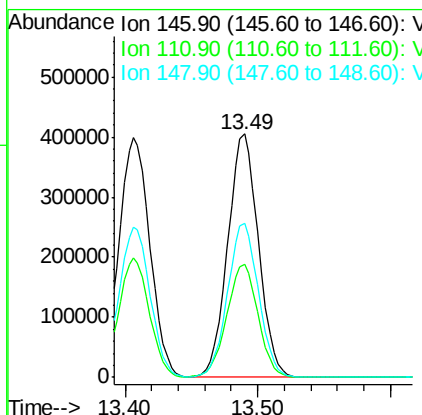
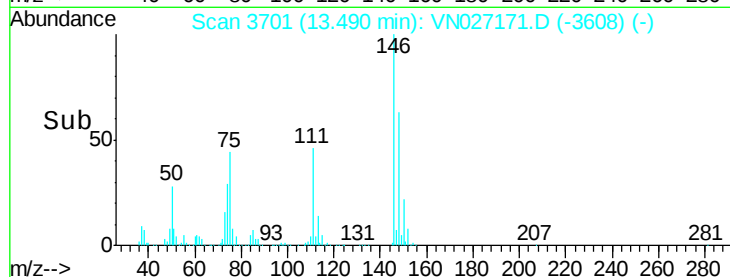
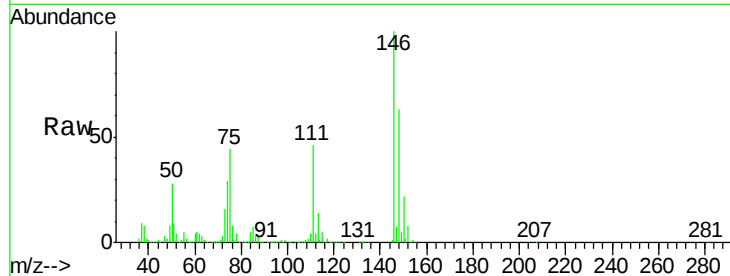
#89
 1,4-Dichlorobenzene
 Concen: 49.57 ug/l
 RT: 13.49 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VN027171.D
 Acq: 15 Sep 2015 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.9	19.9	59.6
148	63.4	31.7	95.1

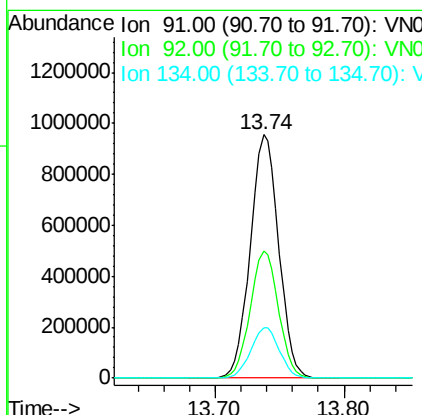
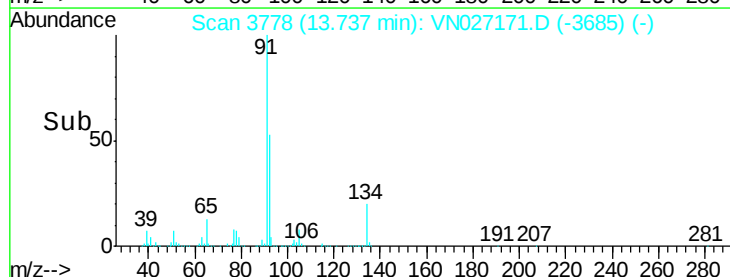
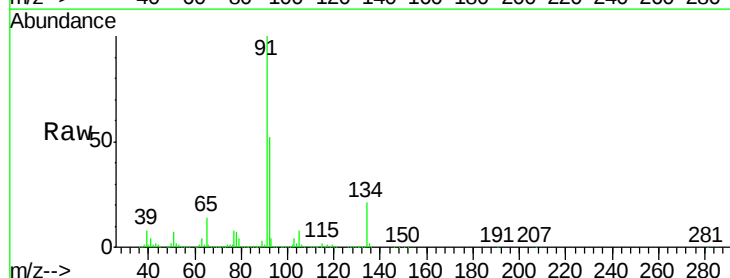
Manual Integrations
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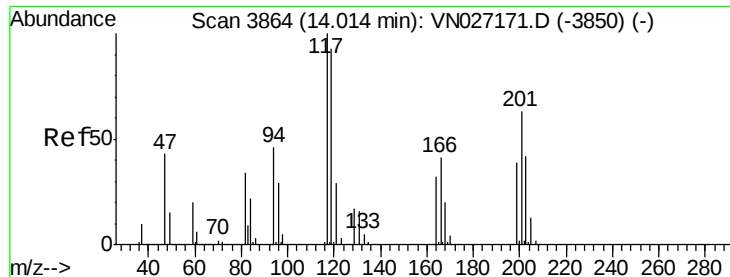
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#90
 n-Butylbenzene
 Concen: 70.53 ug/l
 RT: 13.74 min Scan# 3778
 Delta R.T. 0.00 min
 Lab File: VN027171.D
 Acq: 15 Sep 2015 16:52

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.1	78.2
134	20.9	11.1	33.1





#91

Hexachloroethane

Concen: 64.84 ug/l

RT: 14.01 min Scan# 3864

Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:117 Resp: 309268

Ion Ratio Lower Upper

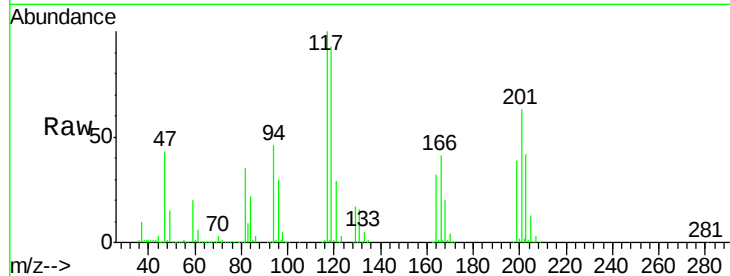
117 100

201 64.6 34.9 104.7

Manual Integrations
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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

14.01

200000

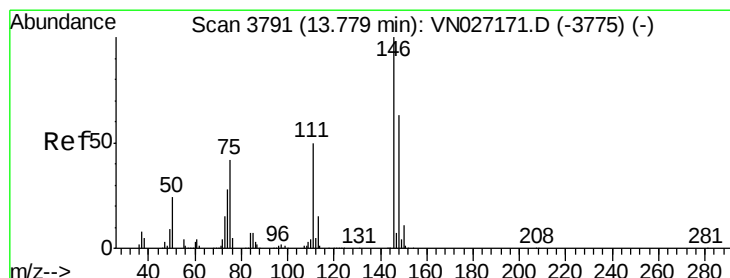
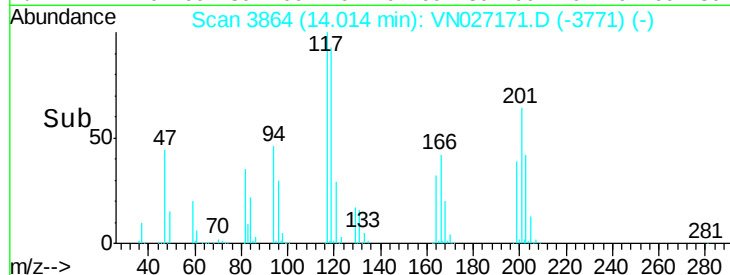
150000

100000

50000

0

Time-->



#92

1,2-Dichlorobenzene

Concen: 50.43 ug/l

RT: 13.78 min Scan# 3791

Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

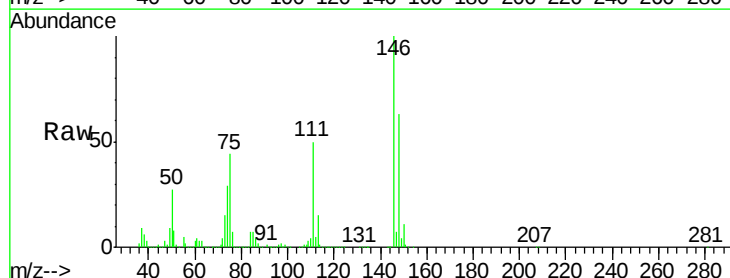
Tgt Ion:146 Resp: 649479

Ion Ratio Lower Upper

146 100

111 50.1 22.1 66.3

148 63.7 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.78

500000

400000

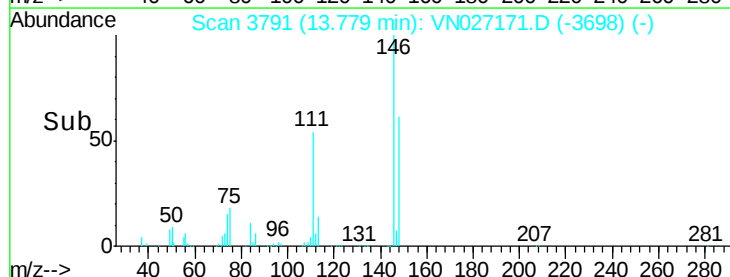
300000

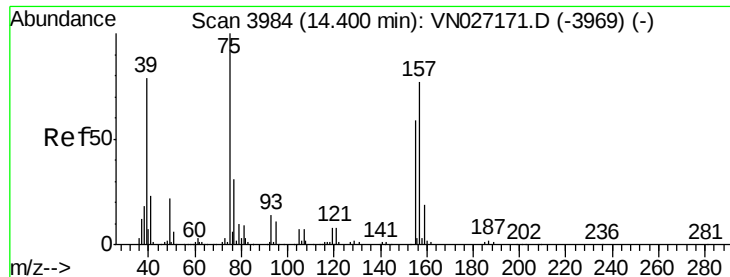
200000

100000

0

Time-->





#93

1,2-Dibromo-3-Chloropropane

Concen: 94.74 ug/l

RT: 14.40 min Scan# 3984

Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

Instrument :

MSVOA_N

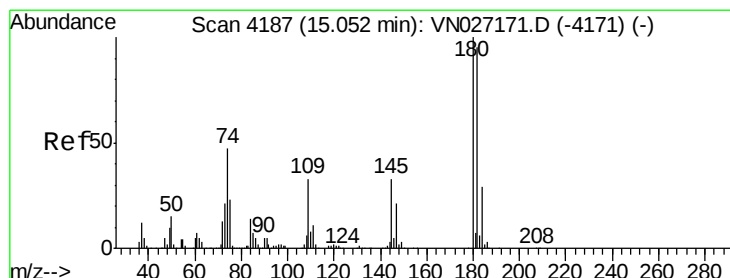
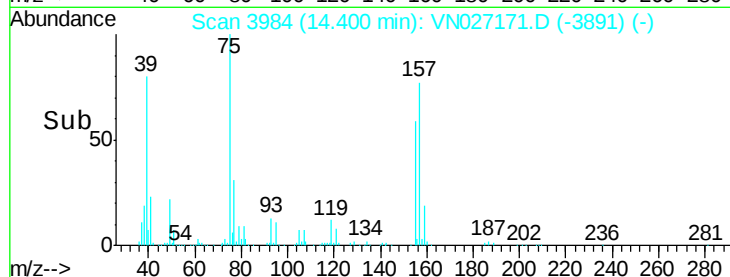
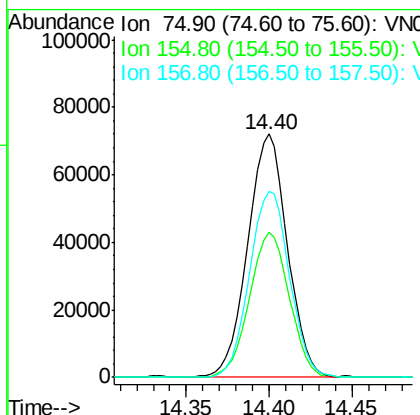
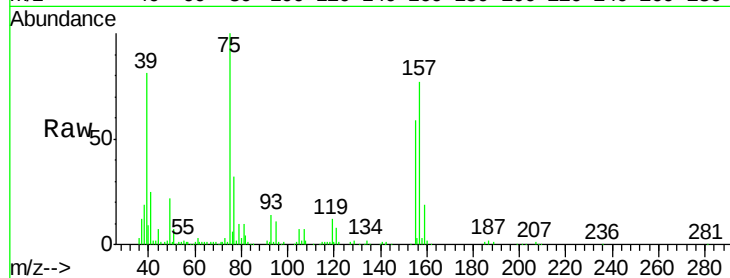
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	119890
Ion Ratio	Lower	Upper	
75	100		
155	59.8	35.6	106.9
157	77.6	44.6	133.8

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#94

1,2,4-Trichlorobenzene

Concen: 56.98 ug/l

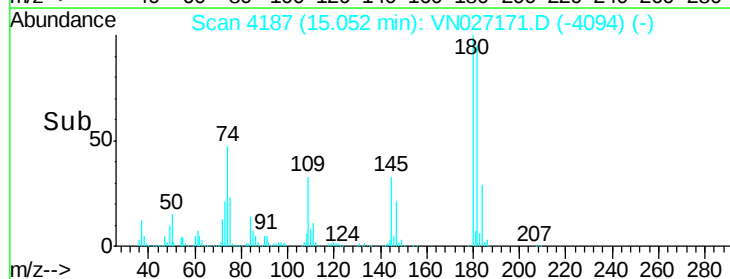
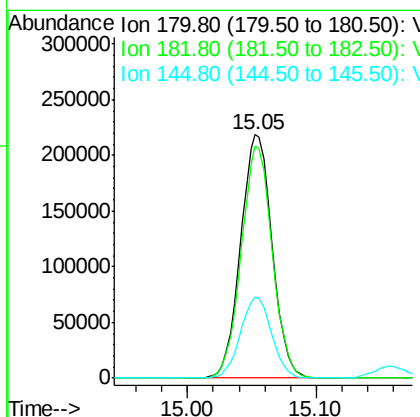
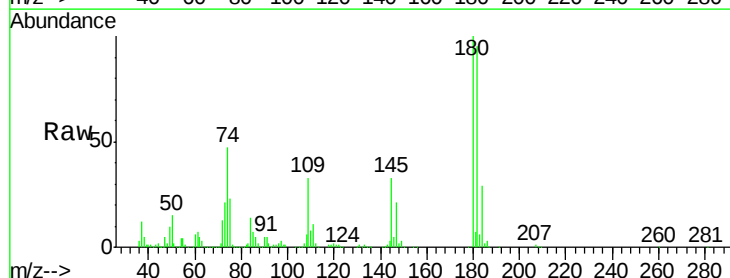
RT: 15.05 min Scan# 4187

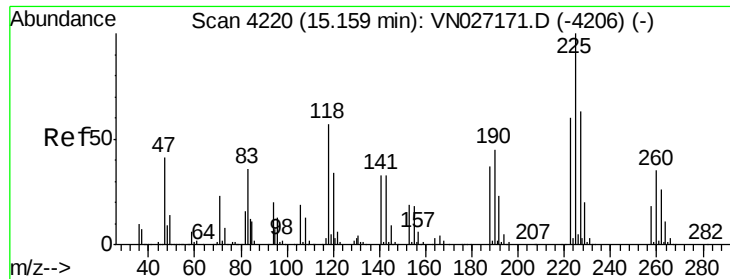
Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

Tgt Ion:	180	Resp:	370512
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.5	142.5
145	33.0	15.1	45.3





#95

Hexachlorobutadiene

Concen: 51.83 ug/l

RT: 15.16 min Scan# 4220

Delta R.T. 0.00 min

Lab File: VN027171.D

Acq: 15 Sep 2015 16:52

Instrument :

MSVOA_N

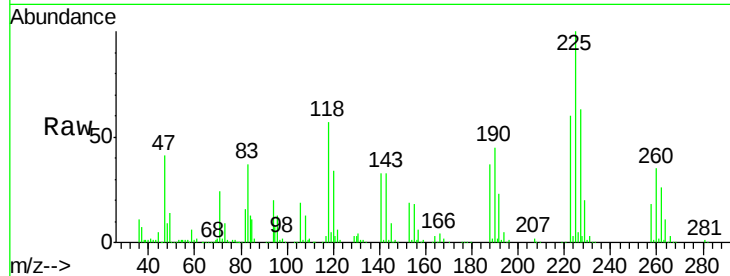
ClientSampleId :

VSTDICCC050

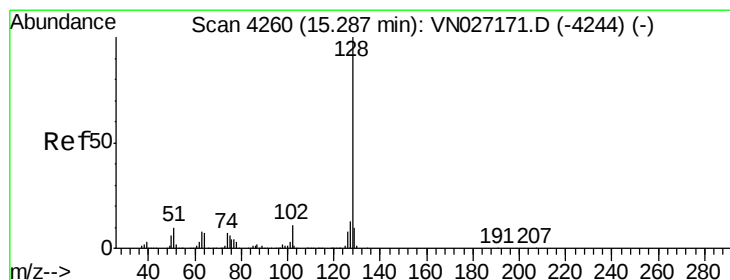
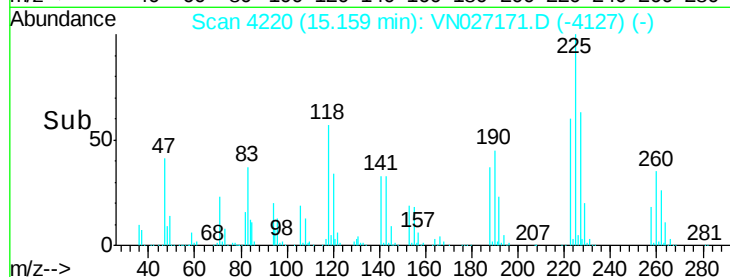
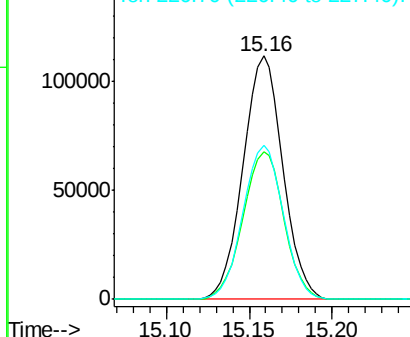
Tot Ion:	225	Resp:	186759
Ion Ratio		Lower	Upper
225	100		
223	62.3	30.8	92.3
227	63.9	31.7	95.1

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



#96

Naphthalene

Concen: 71.71 ug/l

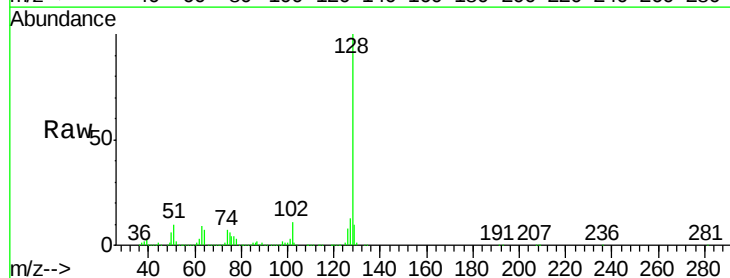
RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

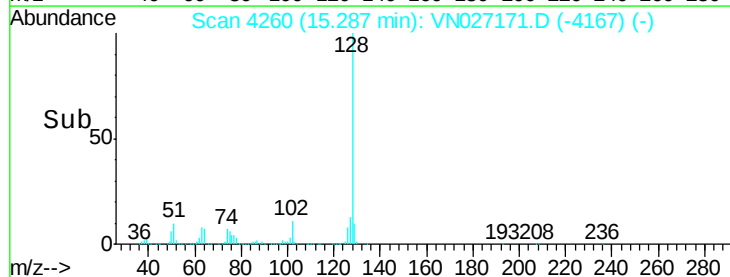
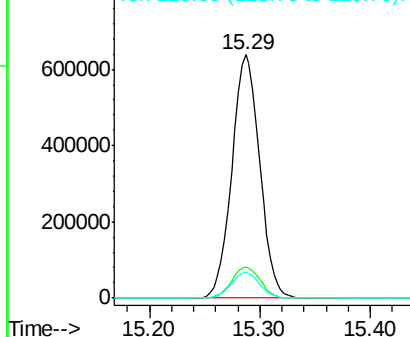
Lab File: VN027171.D

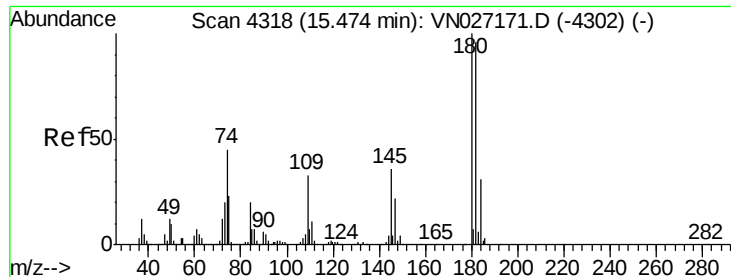
Acq: 15 Sep 2015 16:52

Tgt Ion:	128	Resp:	1115623
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.7	8.6	12.8



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





#97
 1,2,3-Trichlorobenzene
 Concen: 56.82 ug/l
 RT: 15.47 min Scan# 4318
 Delta R.T. 0.00 min
 Lab File: VN027171.D
 Acq: 15 Sep 2015 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	366806		
182	93.1	48.8	146.4	
145	35.5	16.6	49.8	

Manual Integrations
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