

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
 Data File : VN027180.D
 Acq On : 15 Sep 2015 23:20
 Operator : MD\FY
 Sample : VN0915WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/16/2015 11:47:38 AM

Quant Time: Sep 16 01:34:22 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 21:12:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	565842	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1076083	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	913507	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	346594	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) 1,2-Dichloroethane-d4	8.12	65	547081	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	
36) Dibromofluoromethane	7.68	113	350253	46.96	ug/l	0.00
Spiked Amount			Recovery	=	93.92%	
51) Toluene-d8	10.19	98	1338172	45.82	ug/l	0.00
Spiked Amount			Recovery	=	91.64%	
63) 4-Bromofluorobenzene	12.52	95	469051	45.25	ug/l	0.00
Spiked Amount			Recovery	=	90.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.80	85	136854	20.21	ug/l	99
3) Chlorodifluoromethane	1.81	51	159355	20.34	ug/l	94
4) Chloromethane	2.01	50	156229	21.25	ug/l	98
5) Vinyl Chloride	2.14	62	160918	20.12	ug/l	98
6) Bromomethane	2.54	94	78932	21.06	ug/l	99
7) Chloroethane	2.69	64	106858	19.66	ug/l	98
8) Trichlorofluoromethane	3.02	101	239795	19.85	ug/l	100
9) Diethyl Ether	3.43	74	111407	20.04	ug/l	86
10) 1,1,2-Trichlorotrifluoroet	3.79	101	147693	19.47	ug/l	96
11) Methyl Iodide	3.99	142	152835	20.73	ug/l	93
12) Tert butyl alcohol	4.80	59	112432	99.17	ug/l #	90
13) 1,1-Dichloroethene	3.77	96	147883	20.36	ug/l	99
14) Acrolein	3.62	56	117790	88.44	ug/l	98
15) Allyl chloride	4.37	41	287759	19.61	ug/l #	85
16) Acrylonitrile	5.03	53	377921	101.94	ug/l	99
17) Acetone	3.83	43	302648	96.82	ug/l	96
18) Carbon Disulfide	4.11	76	462806	19.56	ug/l	99
19) Methyl Acetate	4.36	43	467081	20.63	ug/l	95
20) Methyl tert-butyl Ether	5.12	73	584876	20.05	ug/l	94
21) Methylene Chloride	4.60	84	172640	19.83	ug/l	95
22) trans-1,2-Dichloroethene	5.13	96	158401	20.16	ug/l	97
23) Diisopropyl ether	6.04	45	617017	20.04	ug/l #	85
24) Vinyl Acetate	5.98	43	1054655m	103.49	ug/l	
25) 1,1-Dichloroethane	5.93	63	353284	19.75	ug/l	99
26) 2-Butanone	6.92	43	466247	99.05	ug/l	98
27) 2,2-Dichloropropane	6.92	77	269356	17.36	ug/l	96
28) cis-1,2-Dichloroethene	6.92	96	187871	20.84	ug/l	98
29) Bromochloromethane	7.29	49	133864	19.28	ug/l	95
30) Tetrahydrofuran	7.32	42	312245	96.25	ug/l	91
31) Chloroform	7.46	83	333327	20.63	ug/l	98
32) Cyclohexane	7.77	56	337755	20.67	ug/l	93
33) 1,1,1-Trichloroethane	7.67	97	291734	20.25	ug/l	96
37) 1,1-Dichloropropene	7.89	75	247780	19.67	ug/l	99
38) Ethyl Acetate	7.02	43	219011	19.81	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	233179	19.69	ug/l	98
40) Methylcyclohexane	9.19	83	295305	19.25	ug/l	99
41) Benzene	8.14	78	724647	19.72	ug/l	98
42) Methacrylonitrile	7.24	41	122986	20.20	ug/l #	91
43) 1,2-Dichloroethane	8.22	62	291988	19.72	ug/l	96
44) Isopropyl Acetate	8.25	43	399332	19.84	ug/l	98
45) Trichloroethene	8.94	130	147585	19.99	ug/l	92
46) 1,2-Dichloropropane	9.22	63	205617	19.45	ug/l	99
47) Dibromomethane	9.31	93	122756	19.77	ug/l	92
48) Bromodichloromethane	9.49	83	259407	19.83	ug/l	99
49) Methyl methacrylate	9.29	41	196086	19.55	ug/l #	90
50) 1,4-Dioxane	9.30	88	45577	387.48	ug/l	95
52) 4-Methyl-2-Pentanone	10.07	43	1049500	98.61	ug/l	100
53) Toluene	10.26	92	417917	19.41	ug/l	99
54) t-1,3-Dichloropropene	10.47	75	278502	18.95	ug/l	99
55) cis-1,3-Dichloropropene	9.93	75	304810	19.07	ug/l	92
56) 1,1,2-Trichloroethane	10.66	97	164574	20.34	ug/l	99
57) Ethyl methacrylate	10.52	69	265697	19.49	ug/l #	91
58) 1,3-Dichloropropane	10.81	76	297175	19.79	ug/l	98
59) 2-Chloroethyl Vinyl ether	9.78	63	633403	101.18	ug/l	97
60) 2-Hexanone	10.84	43	710790	98.09	ug/l	100
61) Dibromochloromethane	11.00	129	160957	19.48	ug/l	100
62) 1,2-Dibromoethane	11.11	107	154205	19.40	ug/l	99
65) Tetrachloroethene	10.74	164	118187	20.23	ug/l	95
66) Chlorobenzene	11.54	112	417948	19.38	ug/l	98
67) 1,1,1,2-Tetrachloroethane	11.62	131	146326	19.89	ug/l	99
68) Ethyl Benzene	11.62	91	791867	19.36	ug/l	100
69) m/p-Xylenes	11.73	106	551511	39.09	ug/l	91
70) o-Xylene	12.06	106	274359	19.40	ug/l	89
71) Styrene	12.07	104	450105	19.71	ug/l	95
72) Bromoform	12.24	173	100133	19.57	ug/l #	98
74) Isopropylbenzene	12.36	105	739255	19.36	ug/l	100
75) N-amyl acetate	12.17	43	332765	19.52	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	220276	20.29	ug/l	97
77) 1,2,3-Trichloropropane	12.66	75	187619m	17.91	ug/l	
78) Bromobenzene	12.64	156	143043	19.10	ug/l	90
79) n-propylbenzene	12.71	91	868859	19.34	ug/l	98
80) 2-Chlorotoluene	12.79	91	520521	19.29	ug/l	96
81) 1,3,5-Trimethylbenzene	12.85	105	594717	19.38	ug/l	96
82) trans-1,4-Dichloro-2-buten	12.40	75	77608	18.20	ug/l	89
83) 4-Chlorotoluene	12.89	91	509455	19.22	ug/l	96
84) tert-Butylbenzene	13.11	119	484760	19.15	ug/l	91
85) 1,2,4-Trimethylbenzene	13.16	105	592500	19.23	ug/l	96
86) sec-Butylbenzene	13.29	105	715697	19.30	ug/l	100
87) p-Isopropyltoluene	13.41	119	543207	19.02	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	251102	19.59	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	248175	19.12	ug/l	94
90) n-Butylbenzene	13.74	91	528967	19.08	ug/l	98
91) Hexachloroethane	14.01	117	116762	18.68	ug/l	92
92) 1,2-Dichlorobenzene	13.78	146	252968	19.97	ug/l	97

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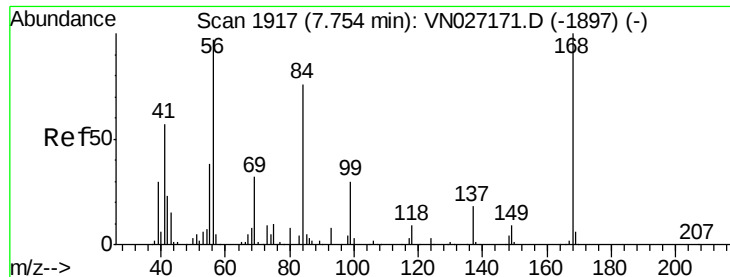
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	46614	20.56	ug/l	83
94) 1,2,4-Trichlorobenzene	15.05	180	132310	19.34	ug/l	98
95) Hexachlorobutadiene	15.16	225	72188	20.03	ug/l	99
96) Naphthalene	15.29	128	383063	19.10	ug/l	100
97) 1,2,3-Trichlorobenzene	15.47	180	132839	19.53	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tot Ion:168 Resp: 565842

Ion Ratio Lower Upper

168 100

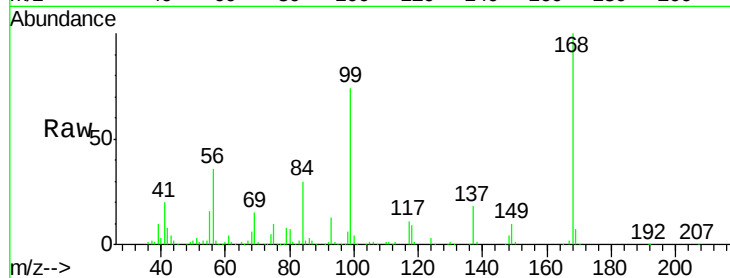
99 73.2 50.4 75.6

Manual Integrations

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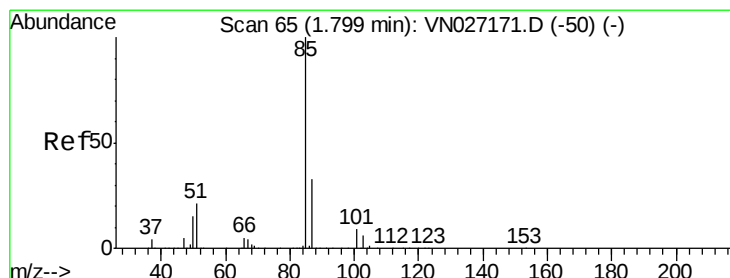
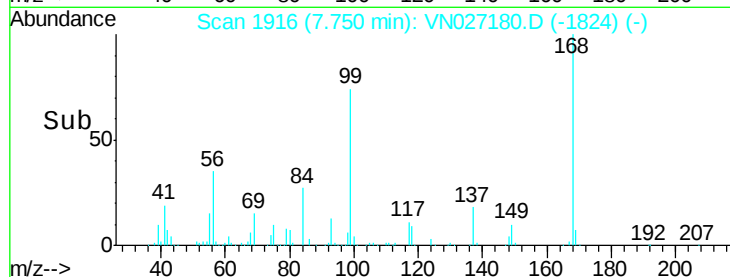
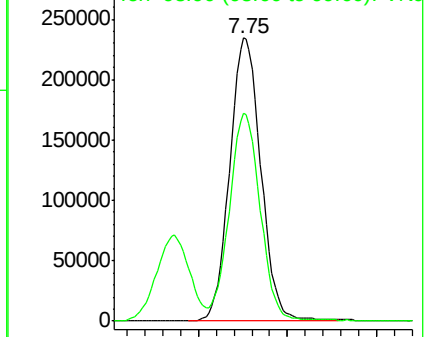
MMDadoda

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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: 20.21 ug/l

RT: 1.80 min Scan# 65

Delta R.T. 0.00 min

Lab File: VN027180.D

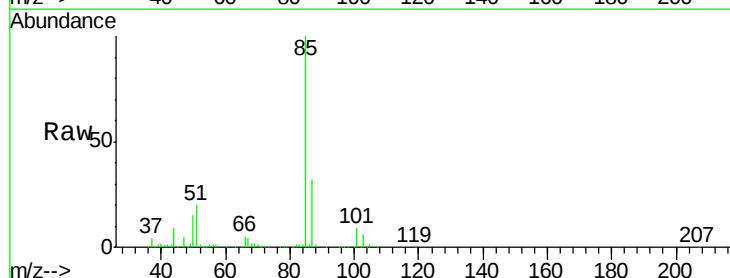
Acq: 15 Sep 2015 23:20

Tgt Ion: 85 Resp: 136854

Ion Ratio Lower Upper

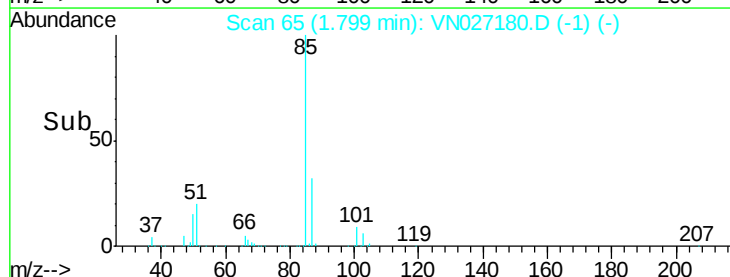
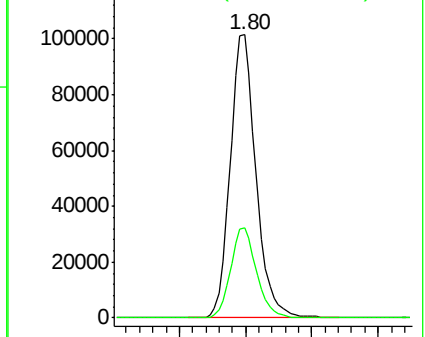
85 100

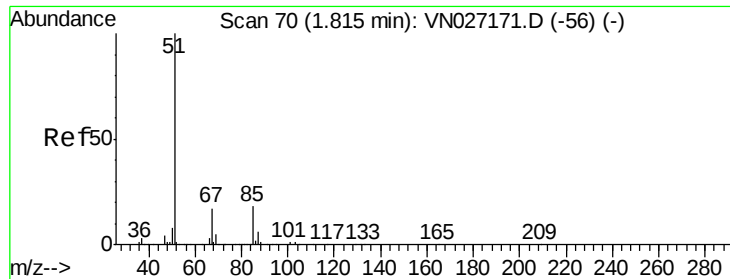
87 32.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chlorodifluoromethane

Concen: 20.34 ug/l

RT: 1.81 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tot Ion: 51 Resp: 159355

Ion Ratio Lower Upper

51 100

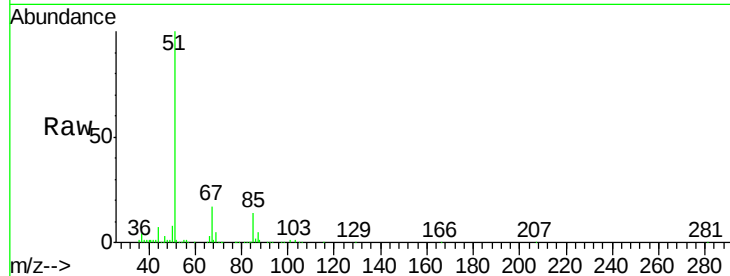
67 17.7 12.2 18.2

Manual Integrations

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Abundance Ion 51.00 (50.70 to 51.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

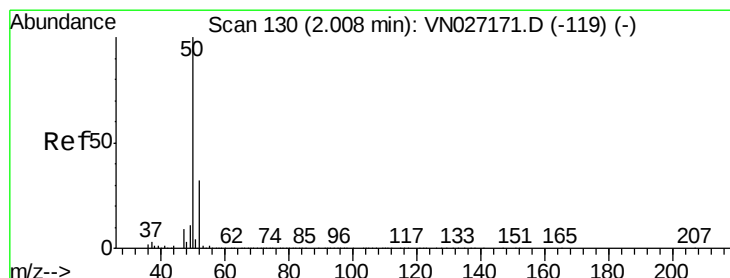
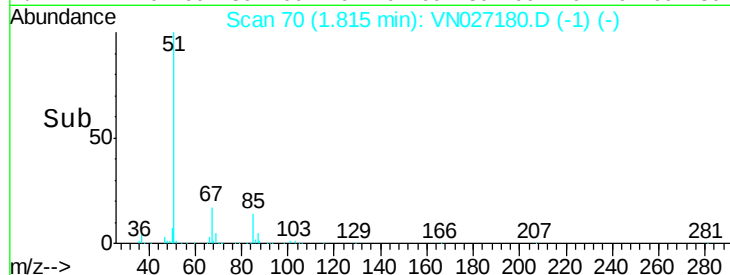
1.81

100000

50000

0

Time-->



#4

Chloromethane

Concen: 21.25 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027180.D

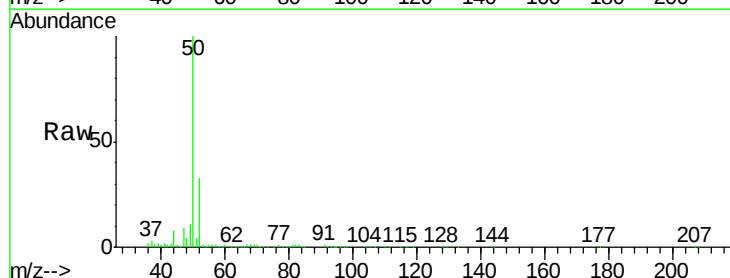
Acq: 15 Sep 2015 23:20

Tgt Ion: 50 Resp: 156229

Ion Ratio Lower Upper

50 100

52 33.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

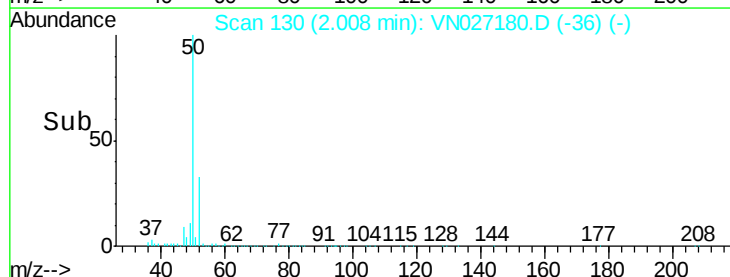
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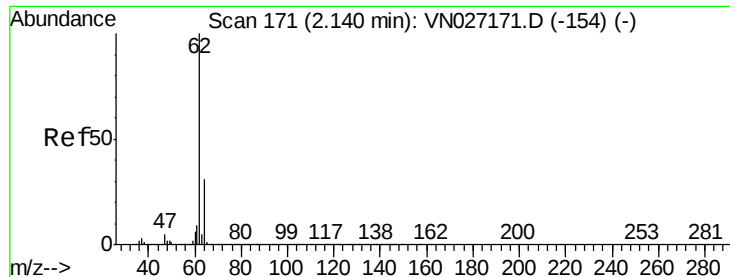
100000

50000

0

Time-->





#5

Vinyl Chloride

Concen: 20.12 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tot Ion: 62 Resp: 160918

Ion Ratio Lower Upper

62 100

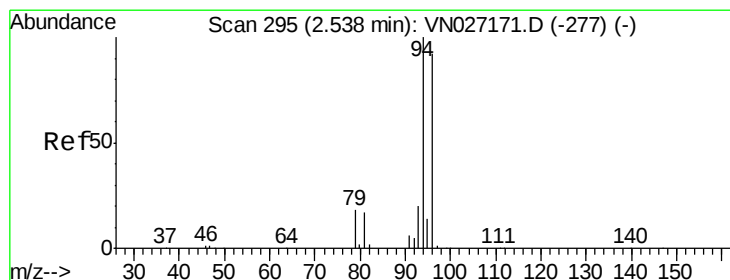
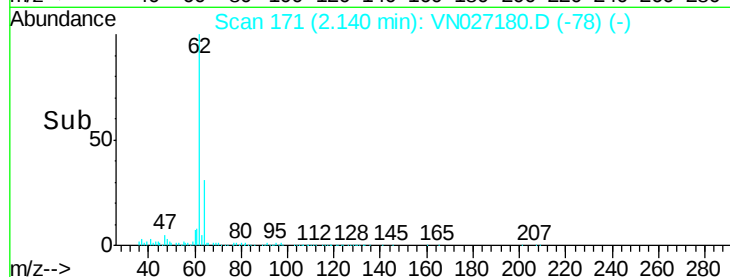
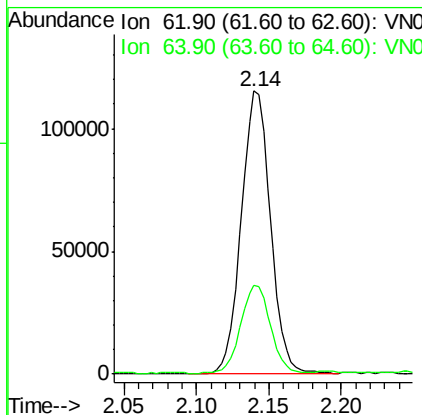
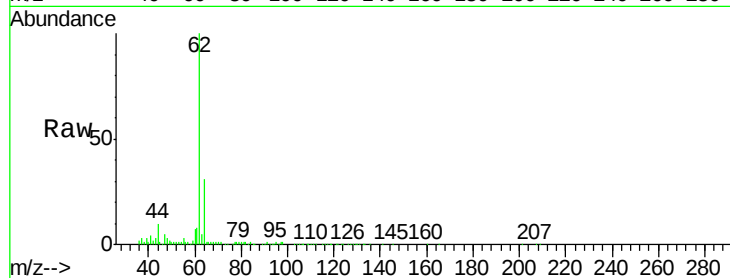
64 31.2 25.9 38.9

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#6

Bromomethane

Concen: 21.06 ug/l

RT: 2.54 min Scan# 297

Delta R.T. 0.01 min

Lab File: VN027180.D

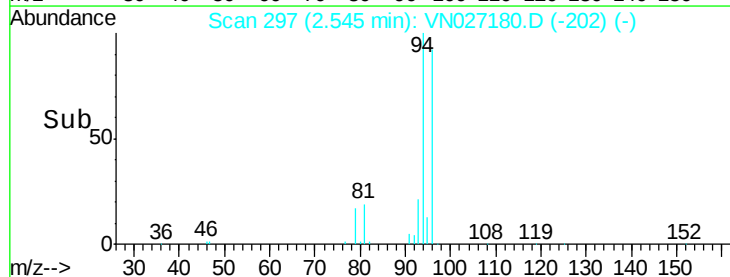
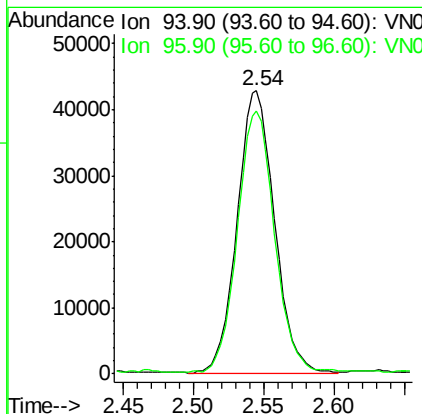
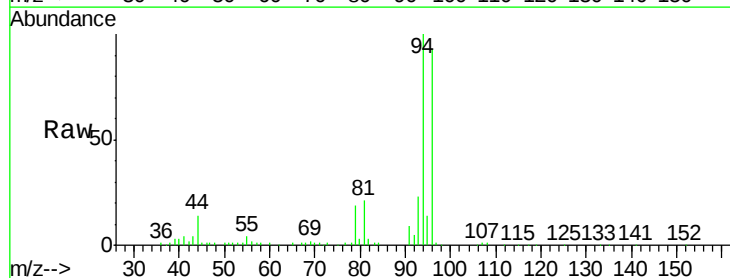
Acq: 15 Sep 2015 23:20

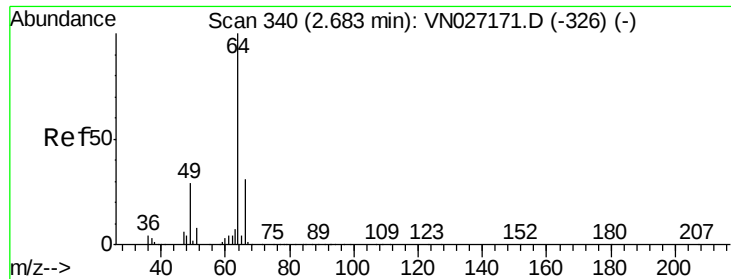
Tgt Ion: 94 Resp: 78932

Ion Ratio Lower Upper

94 100

96 92.3 73.4 110.2





#7

Chloroethane

Concen: 19.66 ug/l

RT: 2.69 min Scan# 341

Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Instrument :

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Tot Ion: 64 Resp: 106858

Ion Ratio Lower Upper

64 100

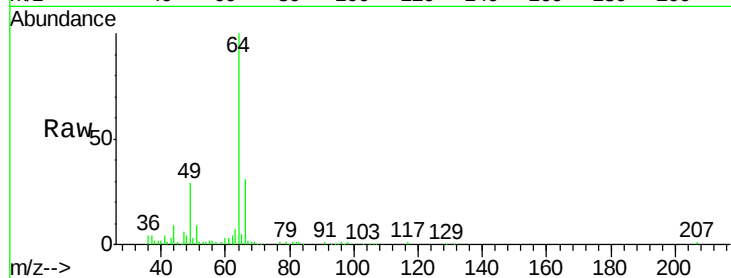
66 31.0 25.5 38.3

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Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

60000

50000

40000

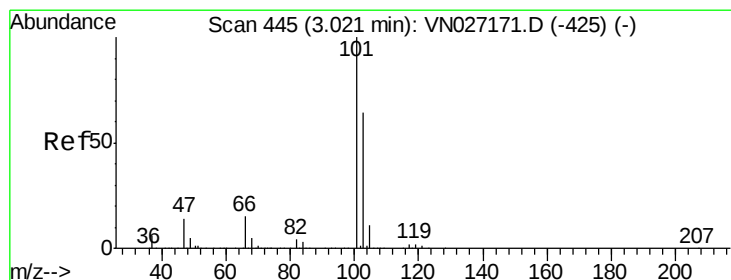
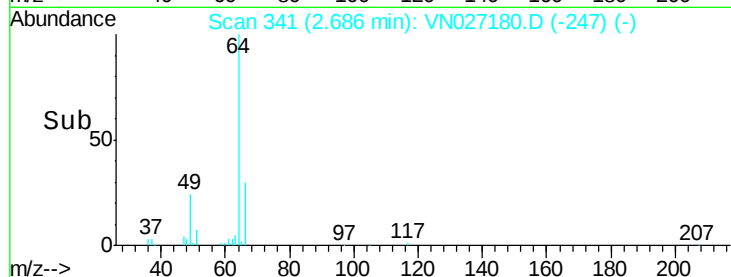
30000

20000

10000

0

Time--> 2.60 2.65 2.70 2.75



#8

Trichlorofluoromethane

Concen: 19.85 ug/l

RT: 3.02 min Scan# 446

Delta R.T. 0.00 min

Lab File: VN027180.D

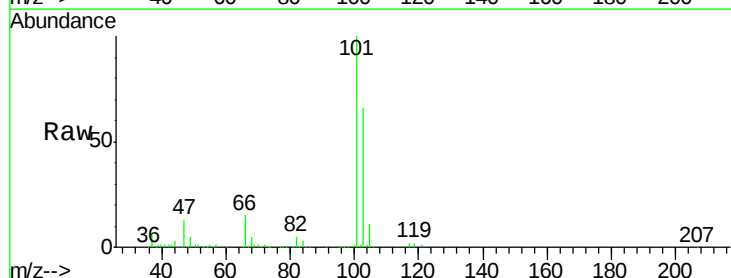
Acq: 15 Sep 2015 23:20

Tgt Ion:101 Resp: 239795

Ion Ratio Lower Upper

101 100

103 65.9 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

120000

100000

80000

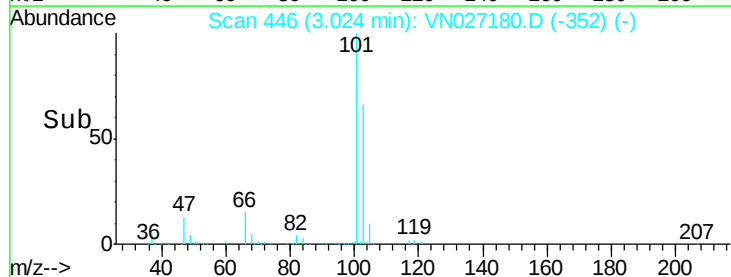
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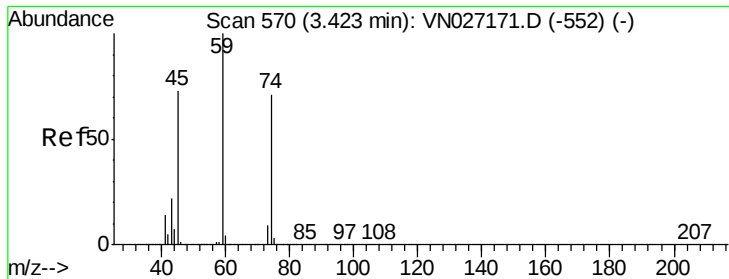
40000

20000

0

Time--> 2.95 3.00 3.05 3.10





#9

Diethyl Ether

Concen: 20.04 ug/l

RT: 3.43 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tot Ion: 74 Resp: 111407

Ion Ratio Lower Upper

74 100

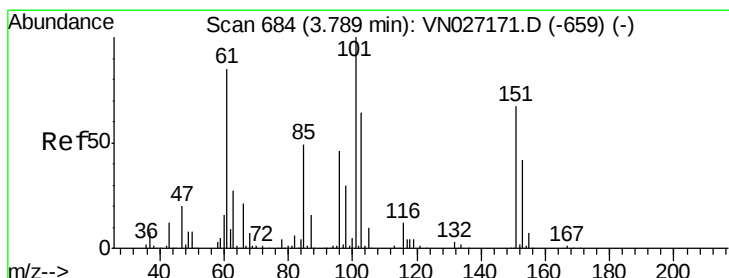
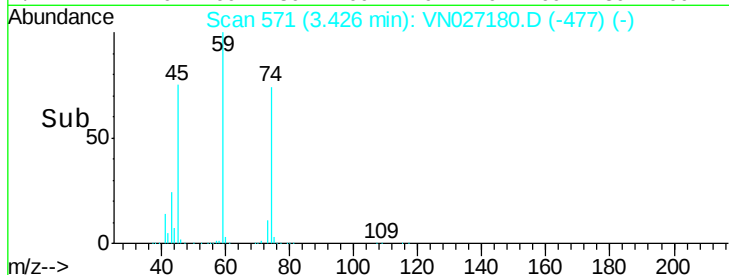
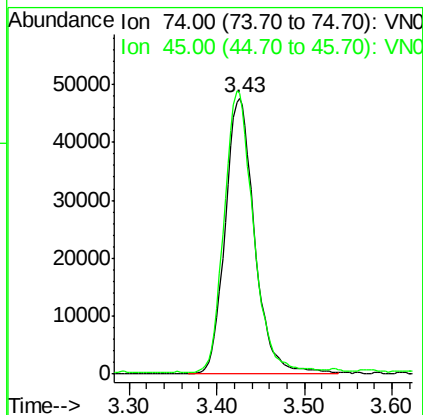
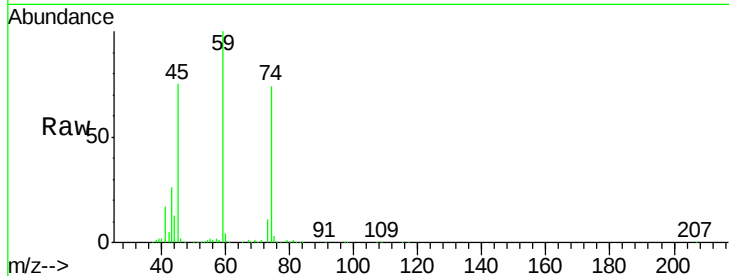
45 100.8 58.1 174.3

Manual Integrations

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9/16/2015 11:47:38 AM



#10

1,1,2-Trichlorotrifluoroethane

Concen: 19.47 ug/l

RT: 3.79 min Scan# 685

Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

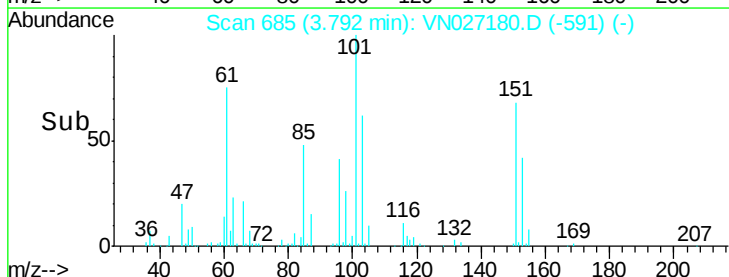
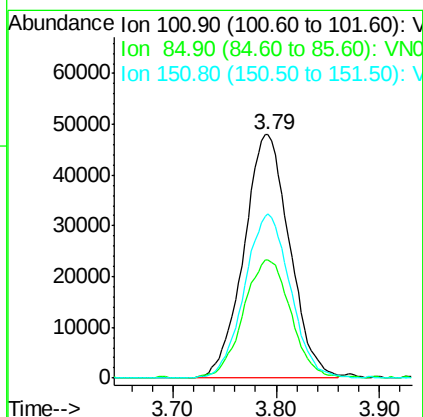
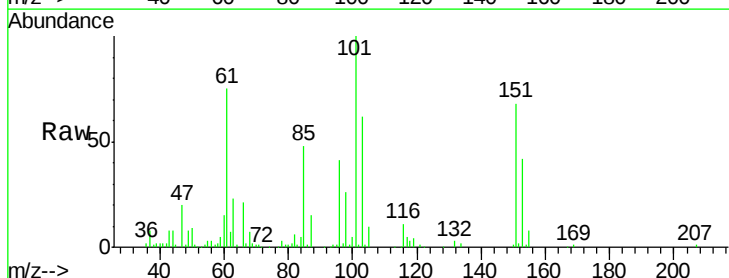
Tgt Ion: 101 Resp: 147693

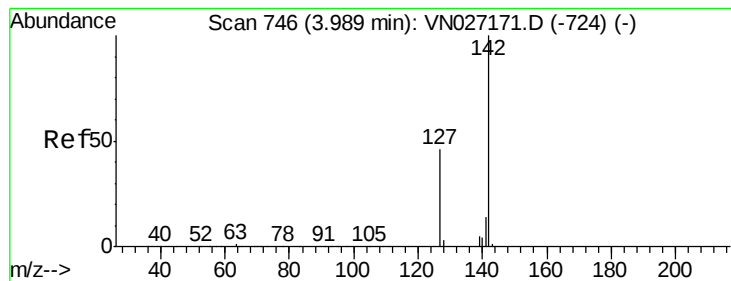
Ion Ratio Lower Upper

101 100

85 50.3 37.4 56.0

151 67.5 55.9 83.9





#11

Methvl Iodide

Concen: 20.73 ug/l

RT: 3.99 min Scan# 747

Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Instrument :

MSVOA_N

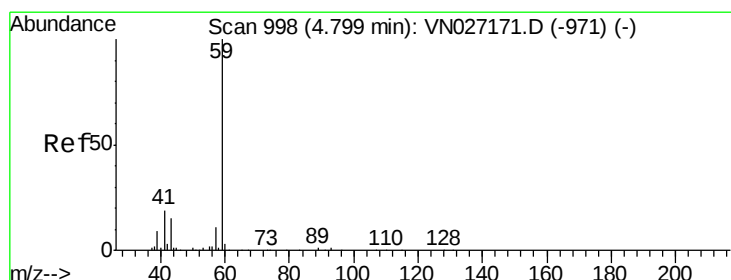
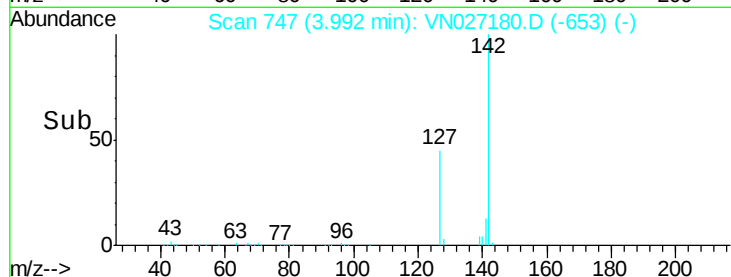
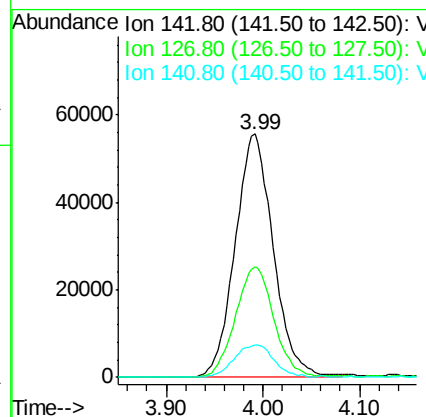
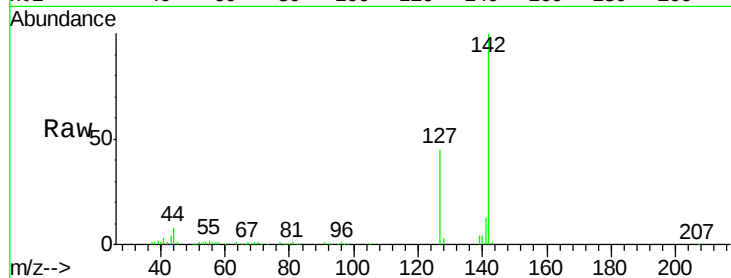
ClientSampled :

VN0915WBS01

Tot Ion:	142	Resp:	152835
Ion Ratio	Lower	Upper	
142	100		
127	45.8	32.3	48.5
141	13.9	11.2	16.8

Manual Integrations
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#12

Tert butyl alcohol

Concen: 99.17 ug/l

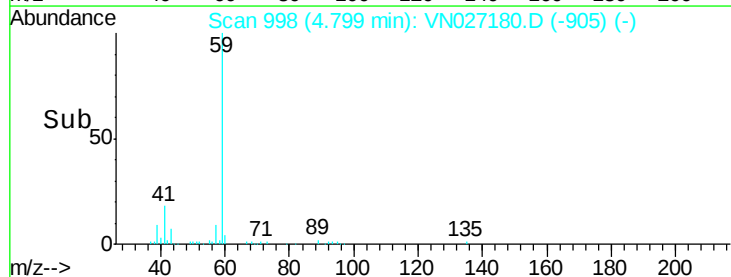
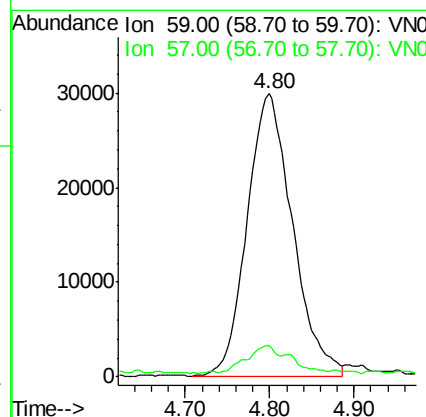
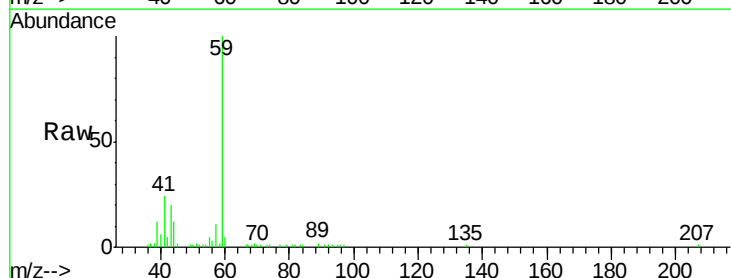
RT: 4.80 min Scan# 998

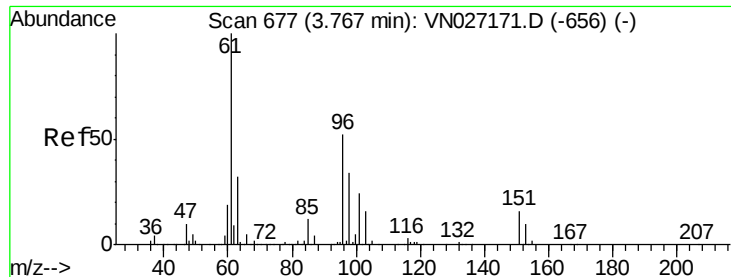
Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Tgt Ion:	59	Resp:	112432
Ion Ratio	Lower	Upper	
59	100		
57	5.9	7.6	11.4#





#13

1,1-Dichloroethene

Concen: 20.36 ug/l

RT: 3.77 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Instrument :

MSVOA_N

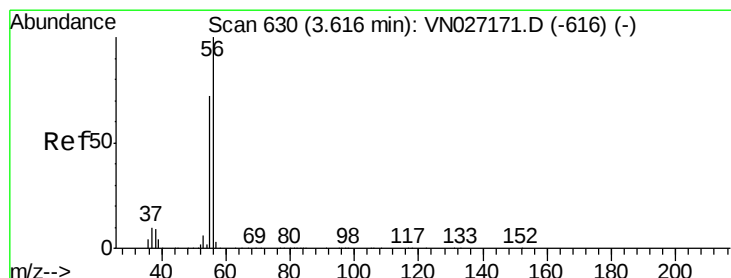
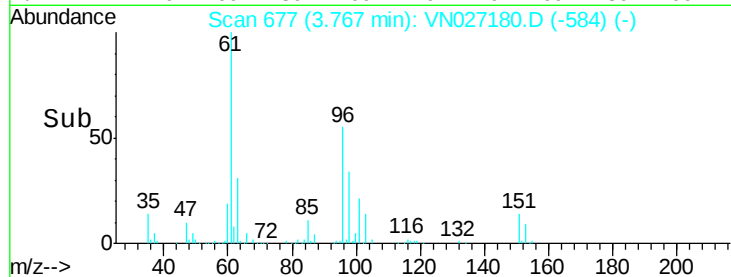
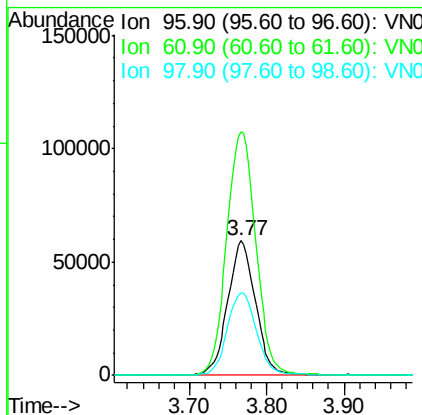
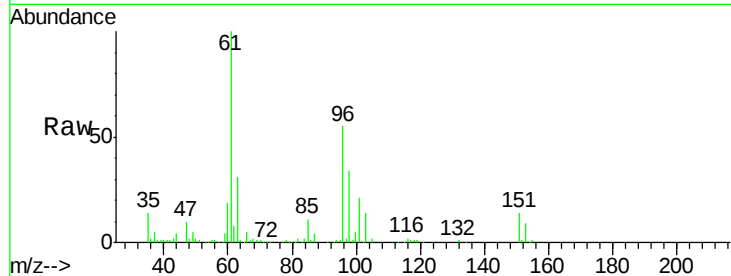
ClientSampleId :

VN0915WBS01

Tot Ion:	96	Resp:	147883
Ion	Ratio	Lower	Upper
96	100		
61	180.7	143.8	215.8
98	61.1	50.3	75.5

Manual Integrations
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#14

Acrolein

Concen: 88.44 ug/l

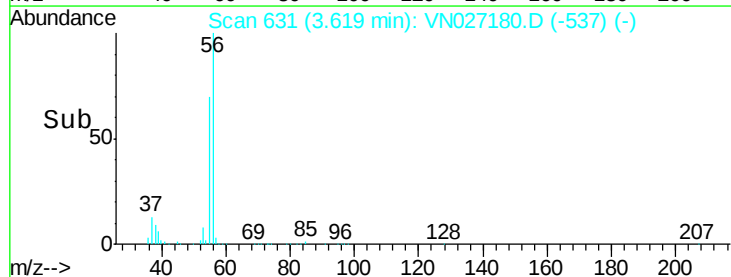
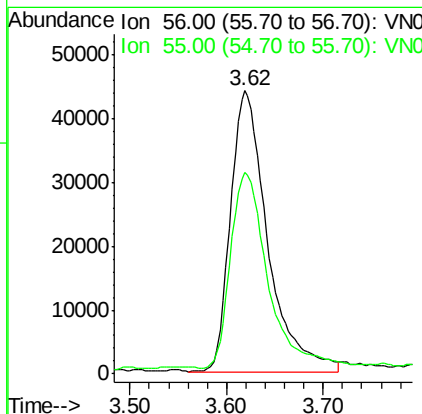
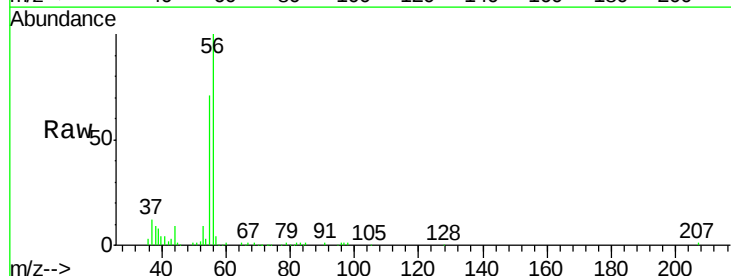
RT: 3.62 min Scan# 631

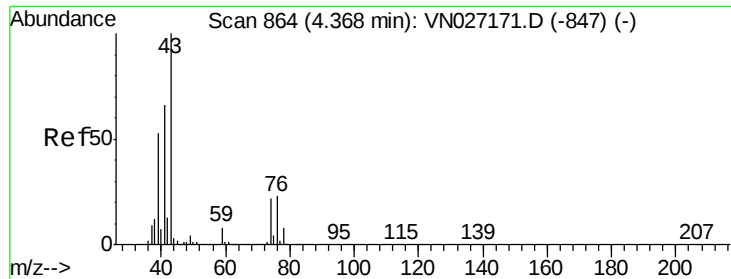
Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Tgt Ion:	56	Resp:	117790
Ion	Ratio	Lower	Upper
56	100		
55	70.9	55.7	83.5





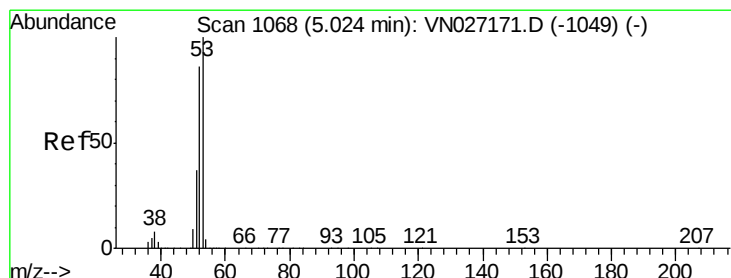
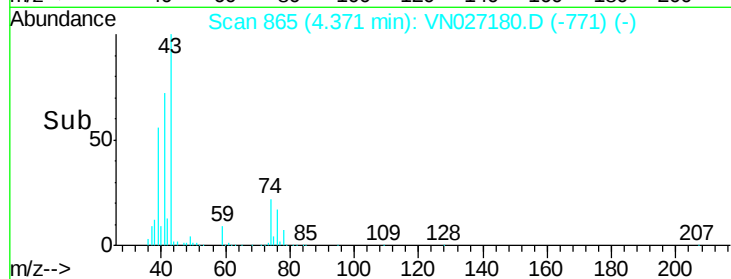
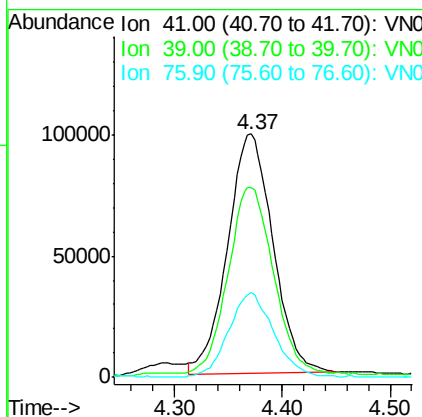
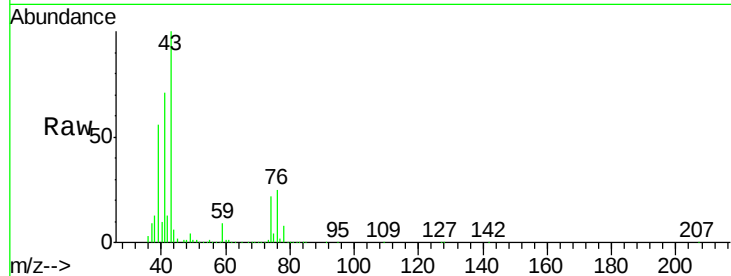
#15
Allvl chloride
Concen: 19.61 ug/l
RT: 4.37 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN027180.D
Acq: 15 Sep 2015 23:20

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tot Ion	Ratio	Resp	Lower	Upper
41	100	287759		
39	77.0		49.7	74.5#
76	34.2		24.8	37.2

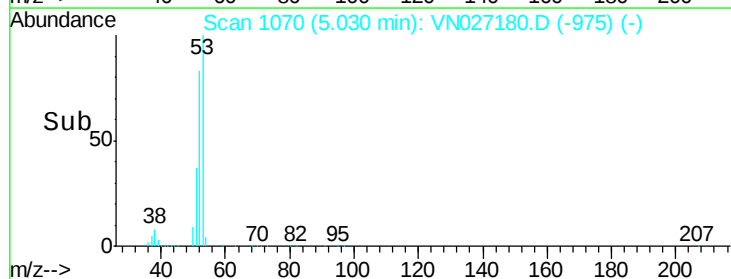
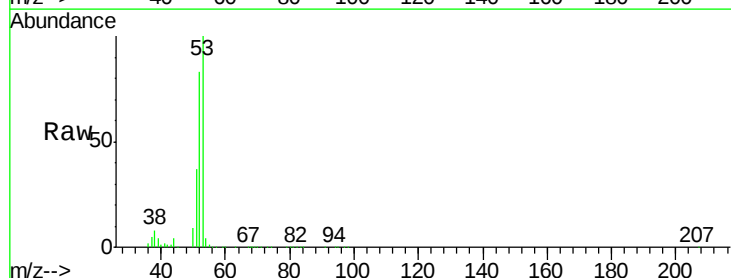
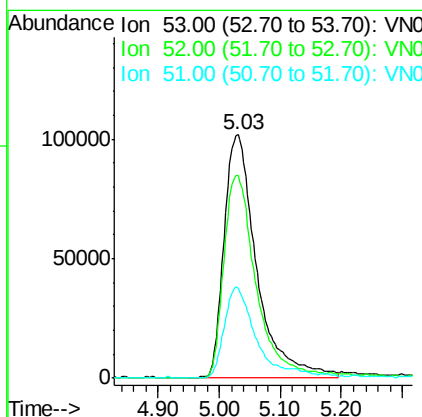
Manual Integrations
APPROVED

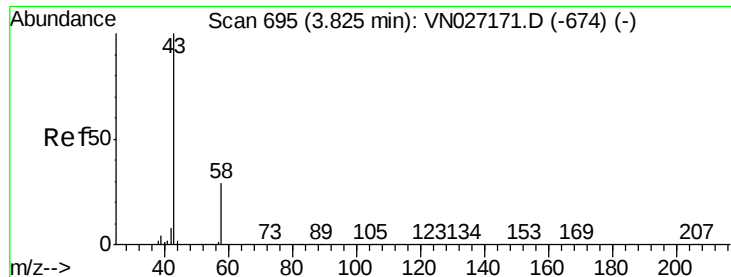
MMDadoda
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#16
Acrylonitrile
Concen: 101.94 ug/l
RT: 5.03 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VN027180.D
Acq: 15 Sep 2015 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
53	100	377921		
52	82.1		66.9	100.3
51	34.0		27.4	41.0





#17

Acetone

Concen: 96.82 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tot Ion: 43 Resp: 302648

Ion Ratio Lower Upper

43 100

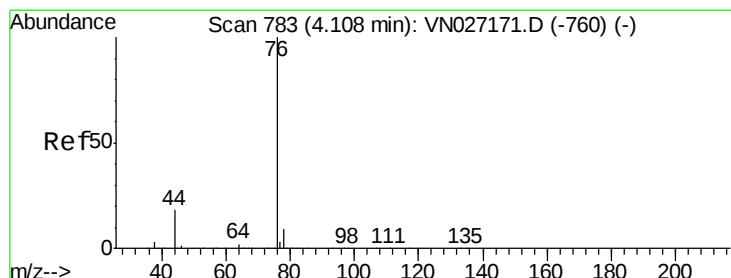
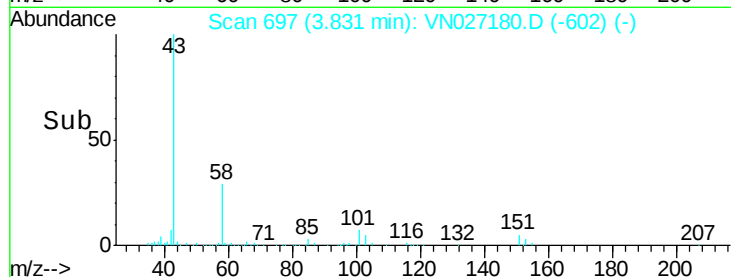
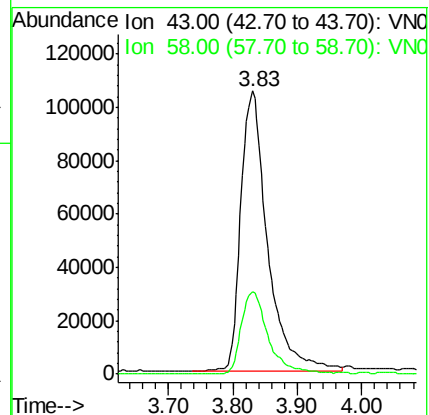
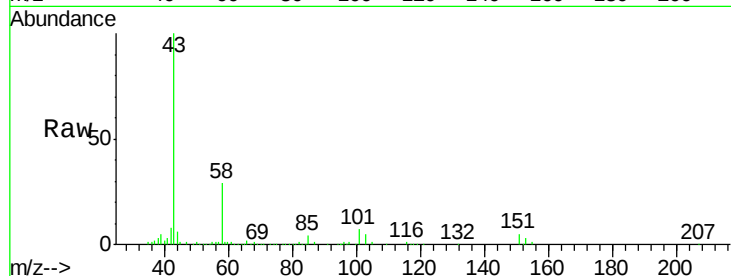
58 29.2 25.4 38.0

Manual Integrations

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#18

Carbon Disulfide

Concen: 19.56 ug/l

RT: 4.11 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN027180.D

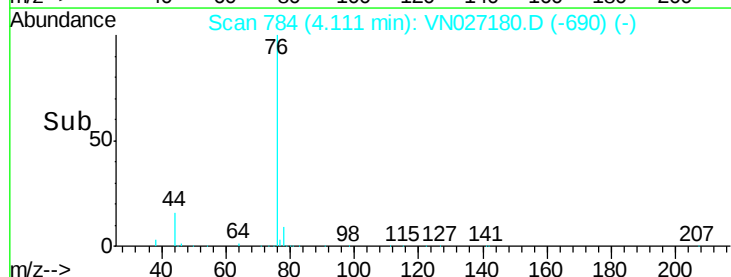
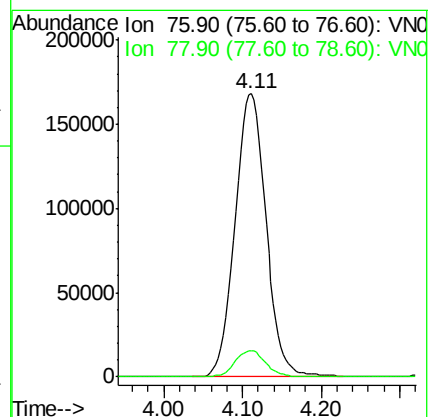
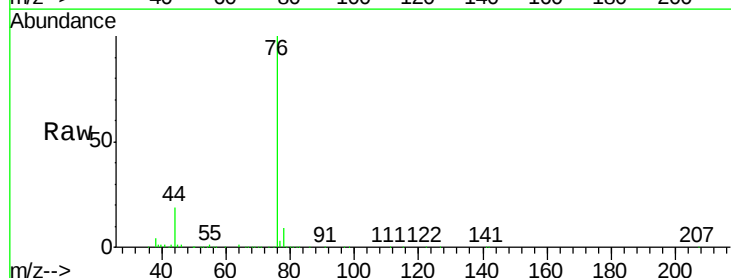
Acq: 15 Sep 2015 23:20

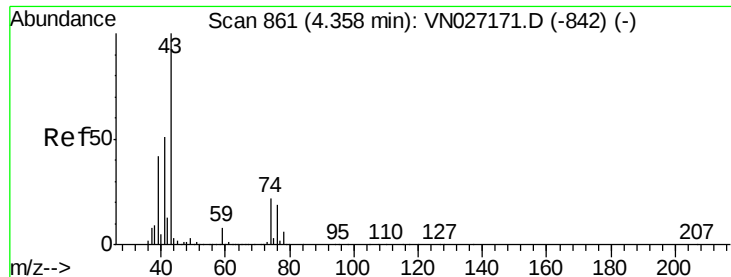
Tgt Ion: 76 Resp: 462806

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7





#19

Methyl Acetate

Concen: 20.63 ug/l

RT: 4.36 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Instrument :

MSVOA_N

ClientSampled :

VN0915WBS01

Tot Ion: 43 Resp: 467081

Ion Ratio Lower Upper

43 100

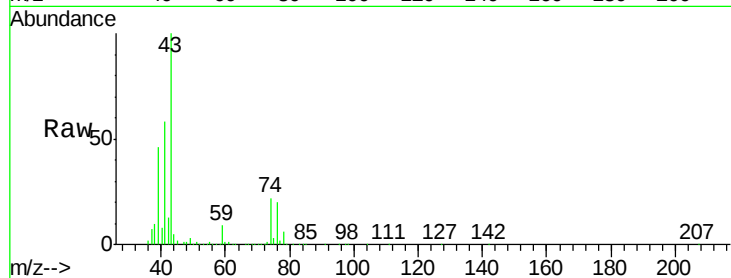
74 22.5 16.2 24.2

Manual Integrations

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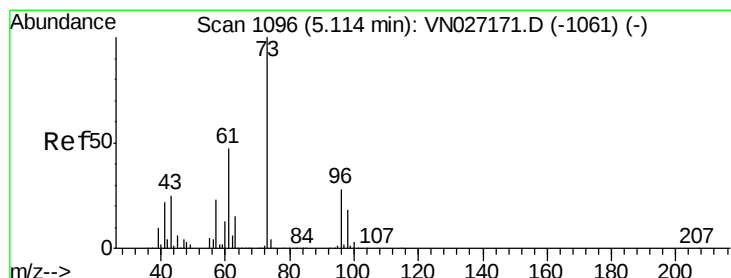
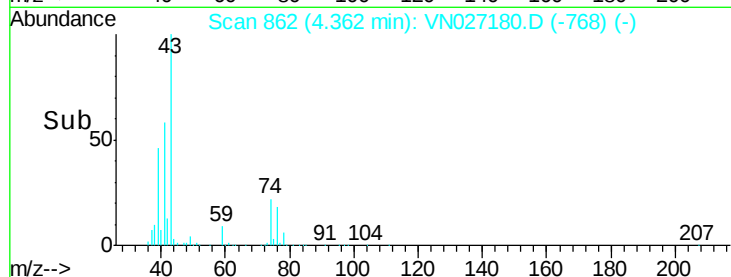
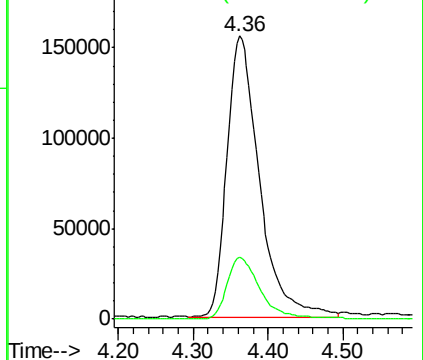
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



#20

Methyl tert-butyl Ether

Concen: 20.05 ug/l

RT: 5.12 min Scan# 1098

Delta R.T. 0.01 min

Lab File: VN027180.D

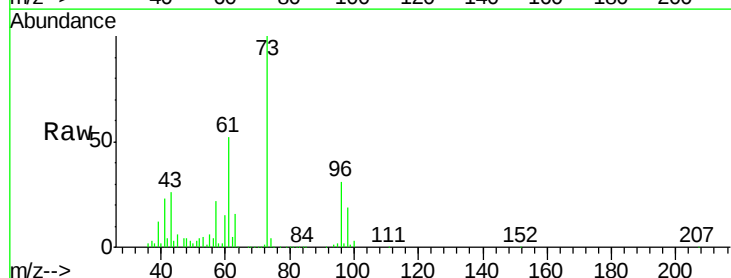
Acq: 15 Sep 2015 23:20

Tgt Ion: 73 Resp: 584876

Ion Ratio Lower Upper

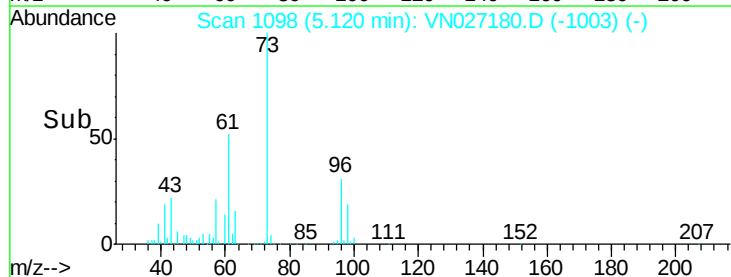
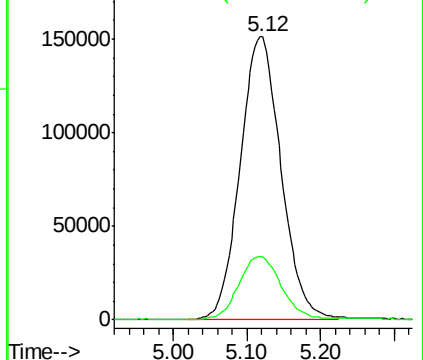
73 100

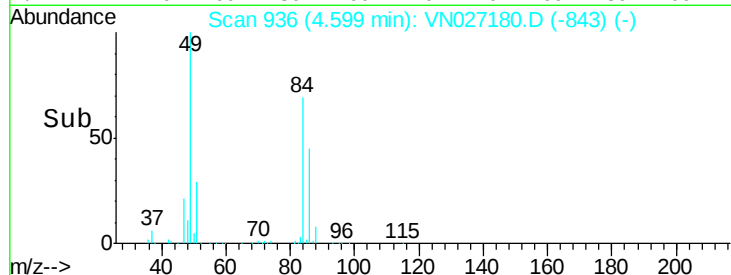
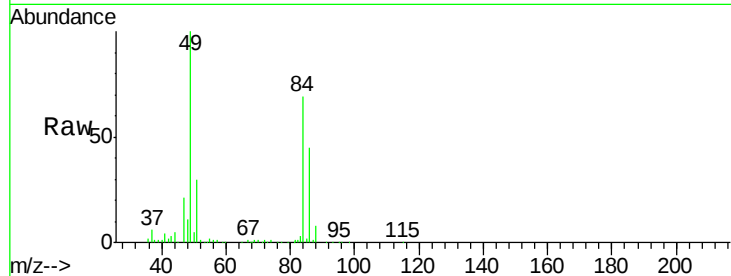
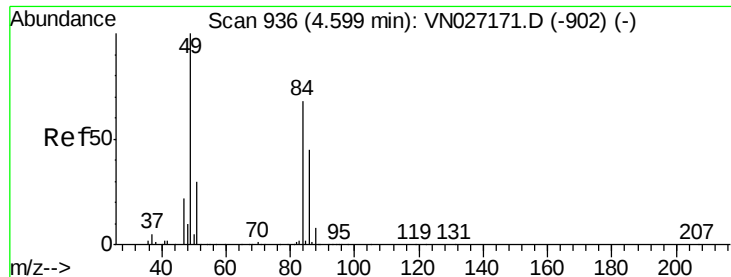
57 21.8 19.8 29.6



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





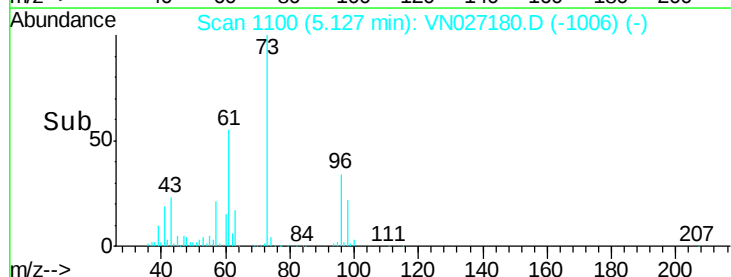
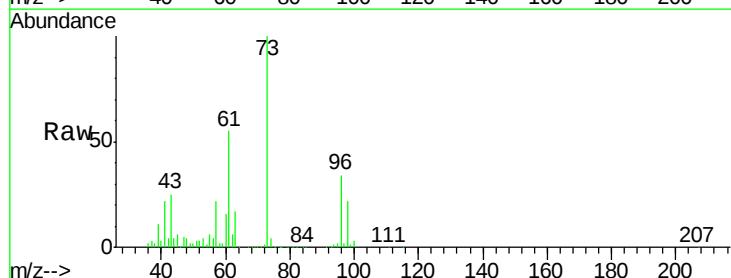
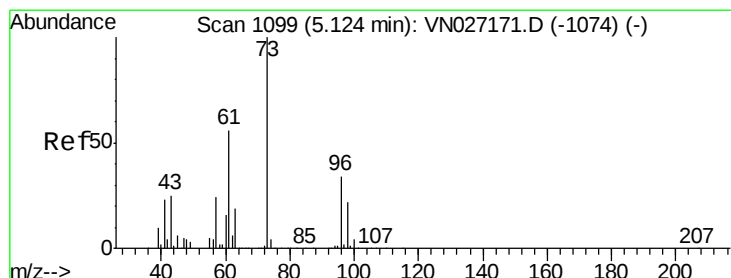
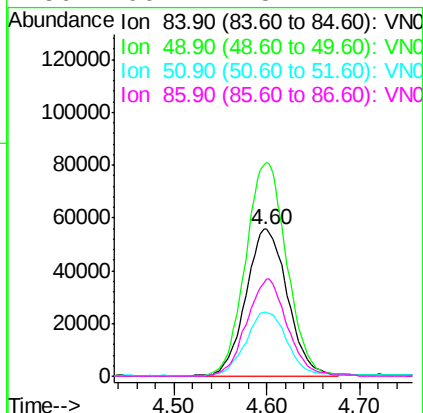
#21
Methylene Chloride
Concen: 19.83 ug/l
RT: 4.60 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN027180.D
Acq: 15 Sep 2015 23:20

Tot Ion:	84	Resp:	172640
Ion	Ratio	Lower	Upper
84	100		
49	145.7	112.3	168.5
51	43.1	33.8	50.8
86	66.2	48.2	72.4

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

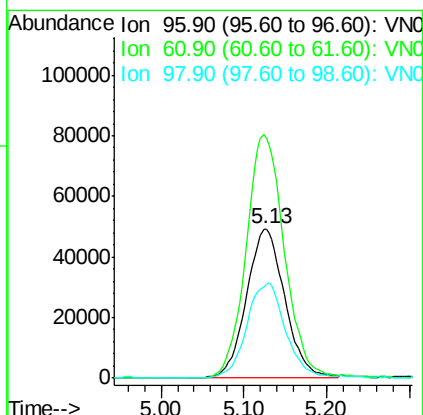
Manual Integrations
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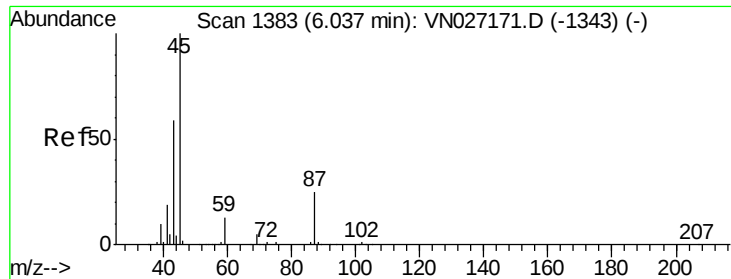
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 20.16 ug/l
RT: 5.13 min Scan# 1100
Delta R.T. 0.00 min
Lab File: VN027180.D
Acq: 15 Sep 2015 23:20

Tgt Ion:	96	Resp:	158401
Ion	Ratio	Lower	Upper
96	100		
61	160.9	126.6	189.8
98	62.6	47.4	71.2





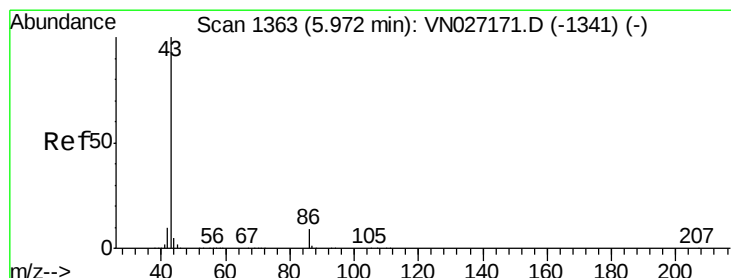
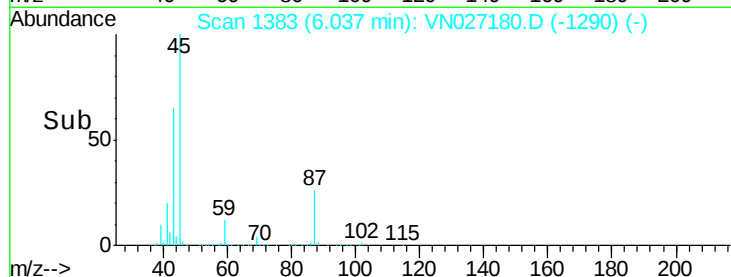
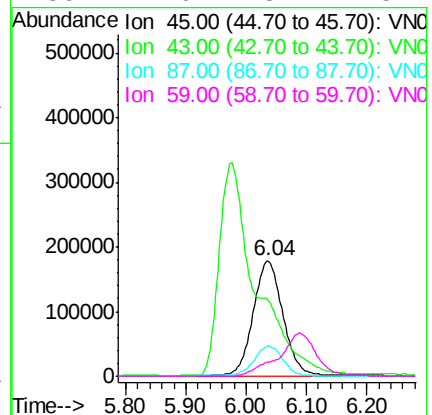
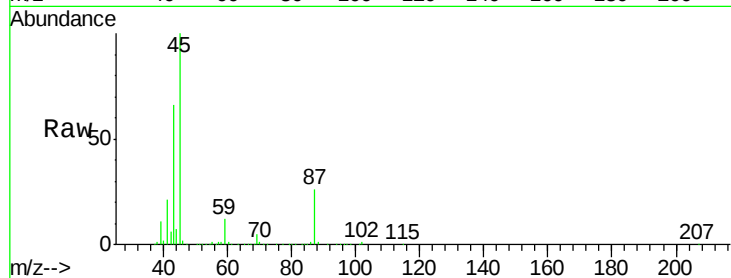
#23
Diisopropyl ether
Concen: 20.04 ug/l
RT: 6.04 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VN027180.D
Acq: 15 Sep 2015 23:20

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tot Ion	Ratio	Lower	Upper
45	100		
43	65.2	41.0	61.6#
87	26.0	17.5	26.3
59	11.9	8.7	13.1

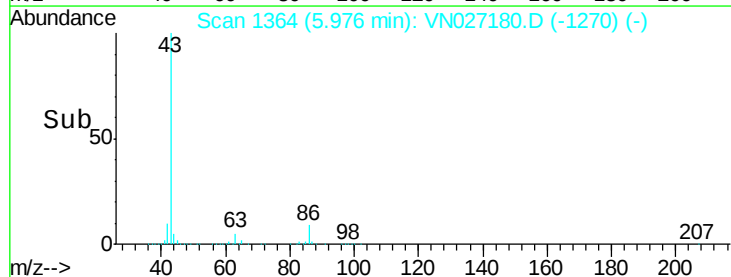
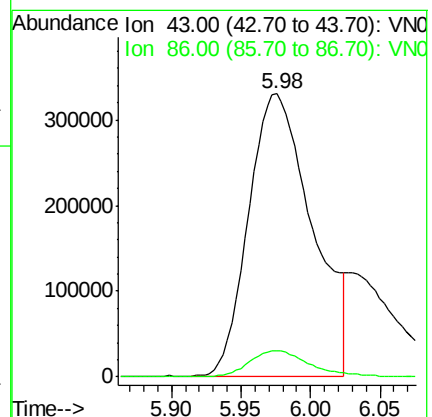
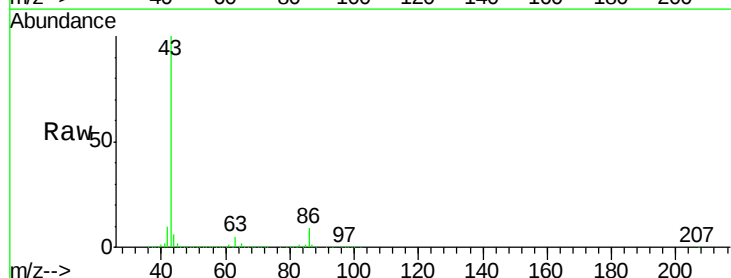
Manual Integrations
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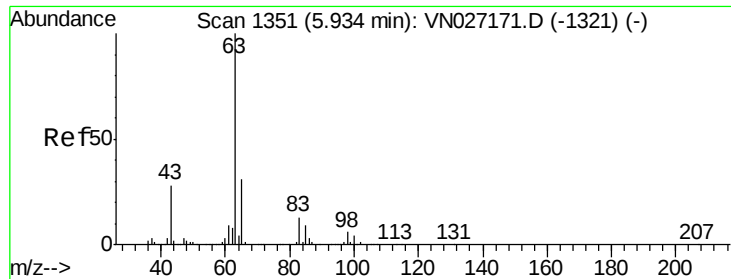
MMDadoda
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#24
Vinyl Acetate
Concen: 103.49 ug/l m
RT: 5.98 min Scan# 1364
Delta R.T. 0.00 min
Lab File: VN027180.D
Acq: 15 Sep 2015 23:20

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.4	6.9	10.3





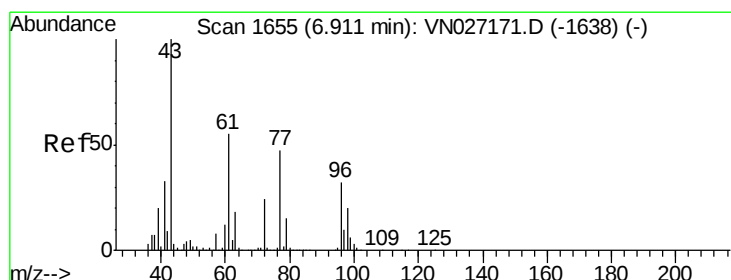
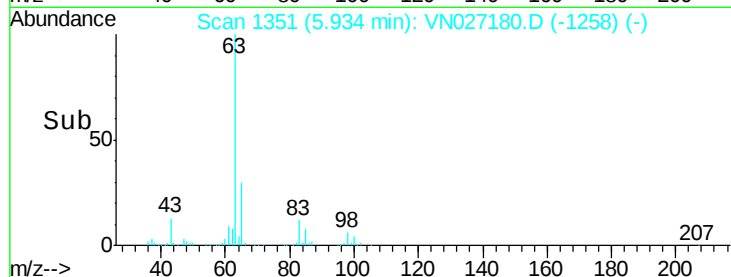
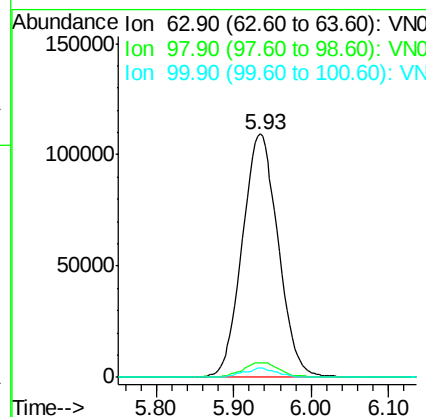
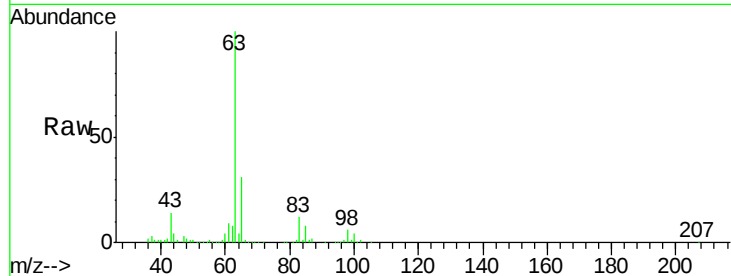
#25
 1,1-Dichloroethane
 Concen: 19.75 ug/l
 RT: 5.93 min Scan# 1351
 Delta R.T. 0.00 min
 Lab File: VN027180.D
 Acq: 15 Sep 2015 23:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	353284		
98	5.9		2.8	8.3
100	3.7		1.7	5.0

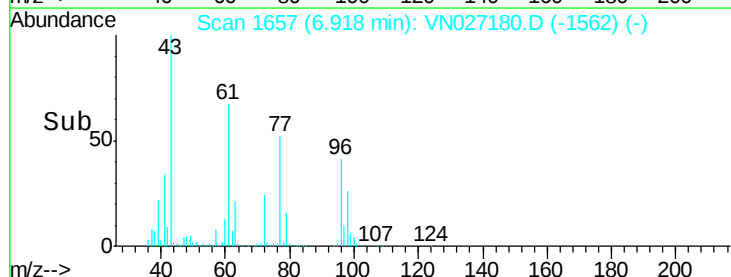
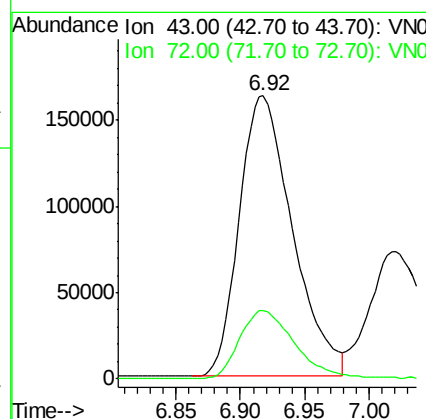
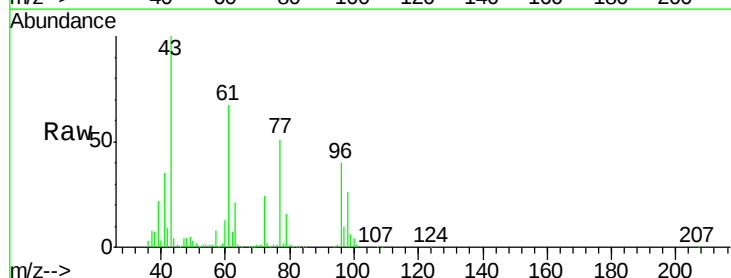
Manual Integrations
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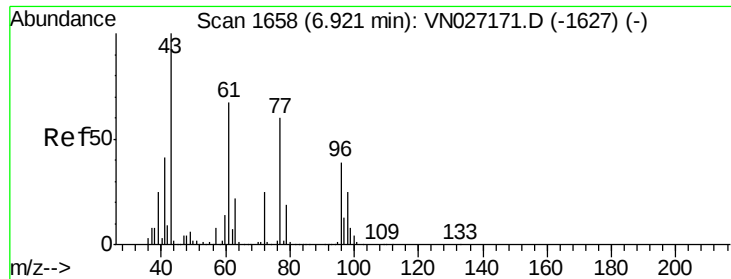
MMDadoda
 9/16/2015 11:47:38 AM



#26
 2-Butanone
 Concen: 99.05 ug/l
 RT: 6.92 min Scan# 1657
 Delta R.T. 0.01 min
 Lab File: VN027180.D
 Acq: 15 Sep 2015 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	466247		
72	24.4		18.8	28.2





#27

2,2-Dichloropropane

Concen: 17.36 ug/l

RT: 6.92 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tot Ion: 77 Resp: 269356

Ion Ratio Lower Upper

77 100

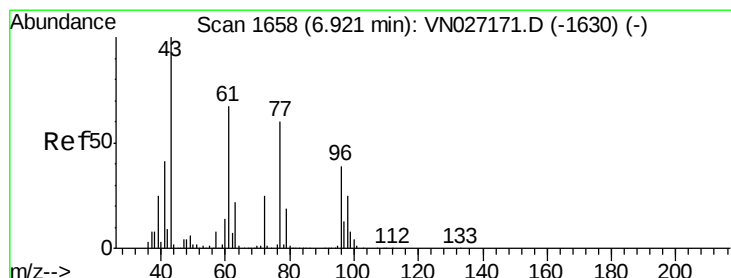
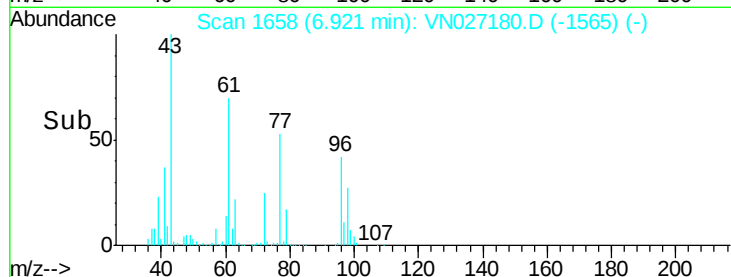
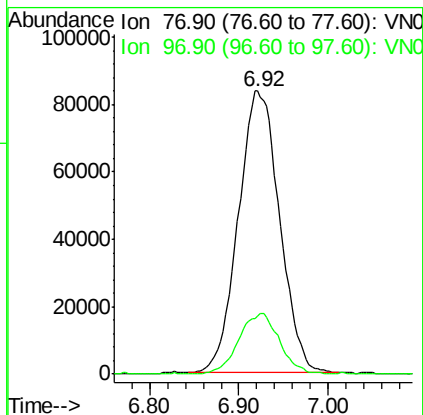
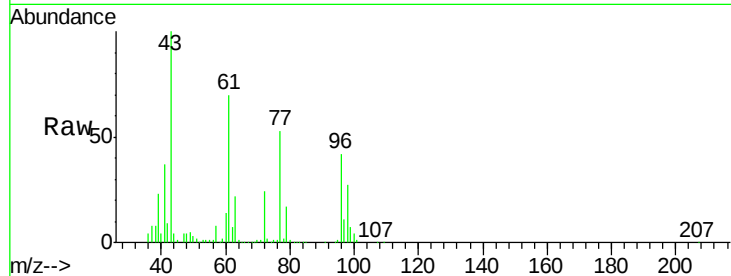
97 21.3 11.8 35.3

Manual Integrations

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MMDadoda

9/16/2015 11:47:38 AM



#28

cis-1,2-Dichloroethene

Concen: 20.84 ug/l

RT: 6.92 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

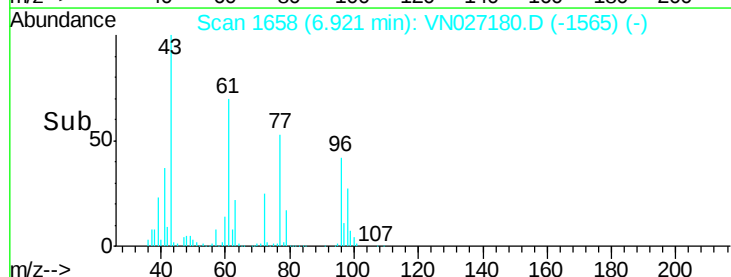
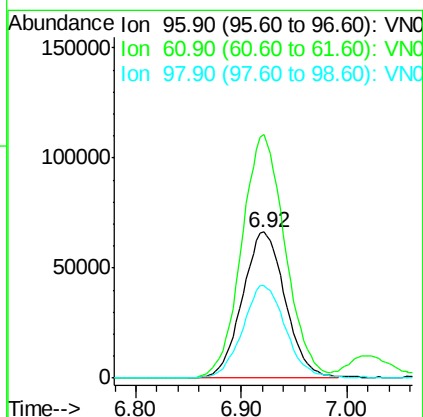
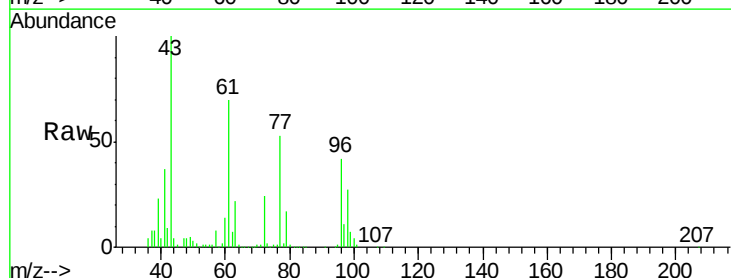
Tgt Ion: 96 Resp: 187871

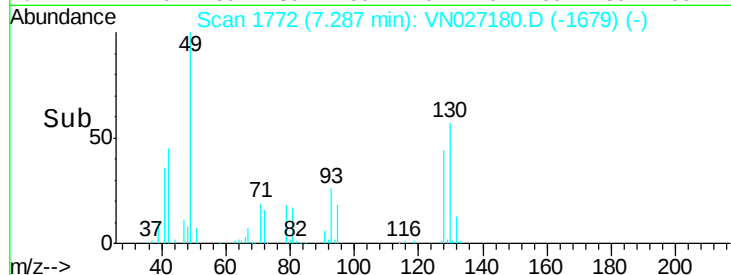
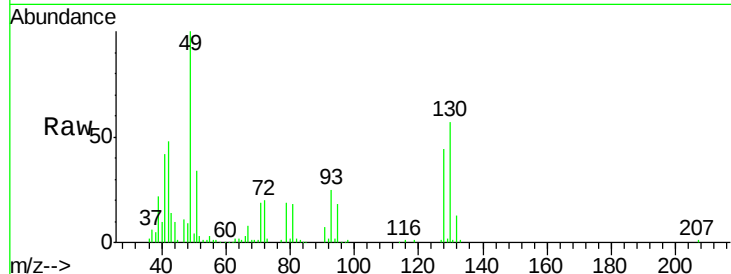
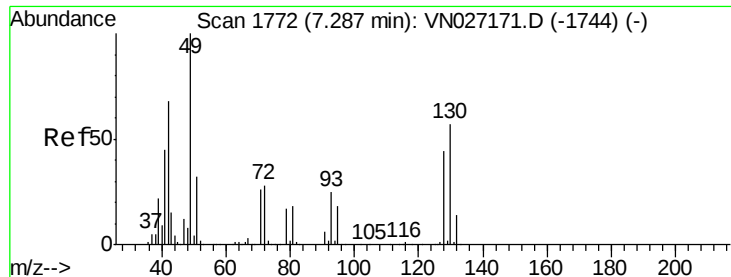
Ion Ratio Lower Upper

96 100

61 167.9 0.0 329.2

98 62.7 0.0 126.0





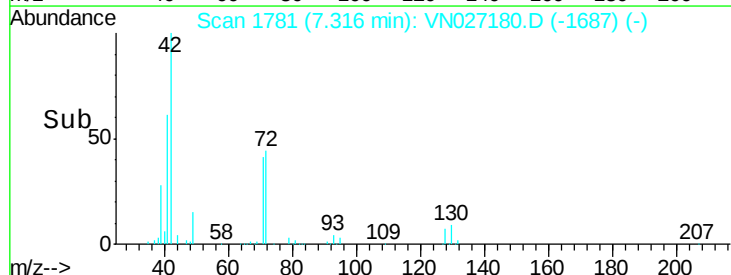
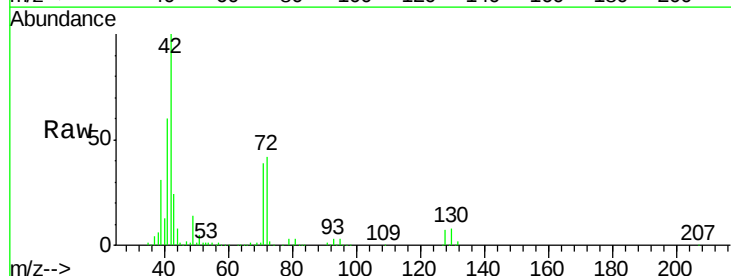
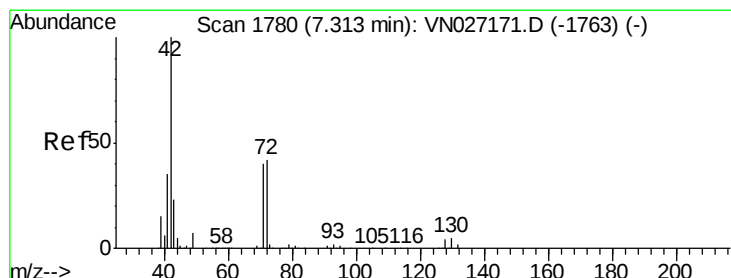
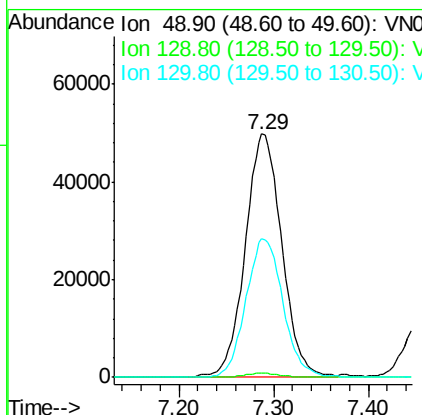
#29
Bromochloromethane
Concen: 19.28 ug/l
RT: 7.29 min Scan# 1772
Delta R.T. 0.00 min
Lab File: VN027180.D
Acq: 15 Sep 2015 23:20

Tot Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.2
130	57.6	43.2	64.8

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

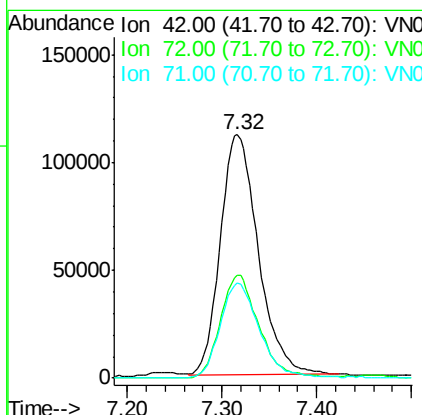
Manual Integrations
APPROVED

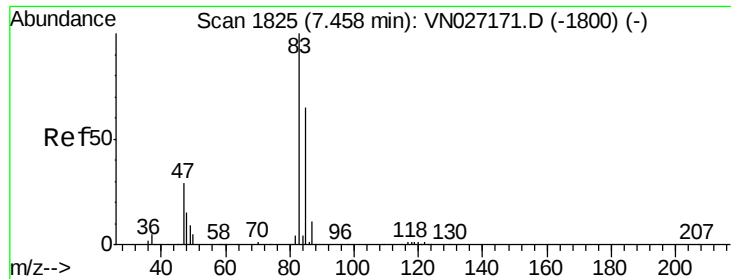
MMDadoda
9/16/2015 11:47:38 AM



#30
Tetrahydrofuran
Concen: 96.25 ug/l
RT: 7.32 min Scan# 1781
Delta R.T. 0.00 min
Lab File: VN027180.D
Acq: 15 Sep 2015 23:20

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.2	29.9	44.9
71	40.8	28.3	42.5





#31

Chloroform

Concen: 20.63 ug/l

RT: 7.46 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tot Ion: 83 Resp: 333327

Ion Ratio Lower Upper

83 100

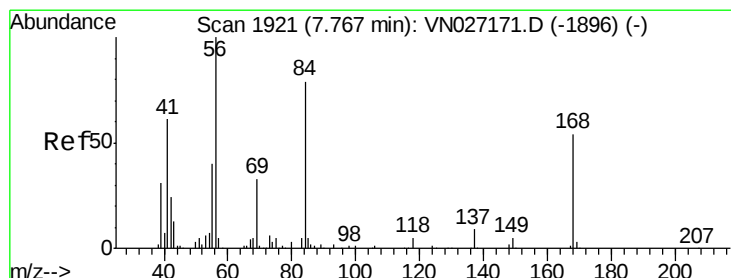
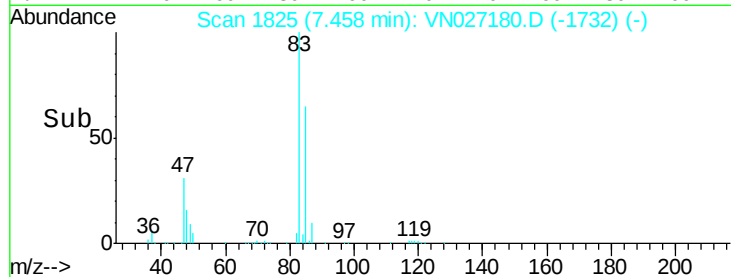
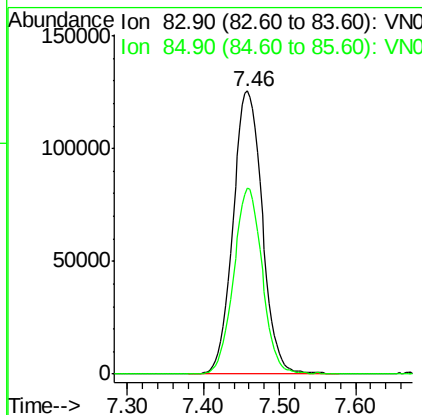
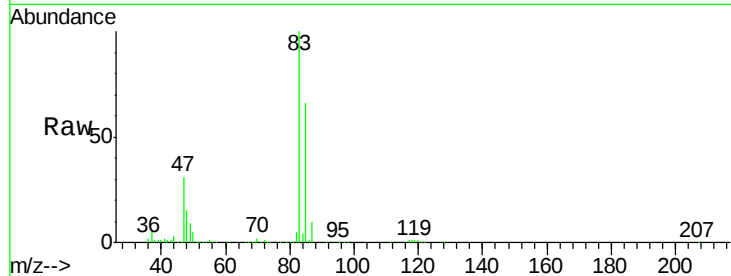
85 65.8 51.1 76.7

Manual Integrations

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#32

Cyclohexane

Concen: 20.67 ug/l

RT: 7.77 min Scan# 1921

Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

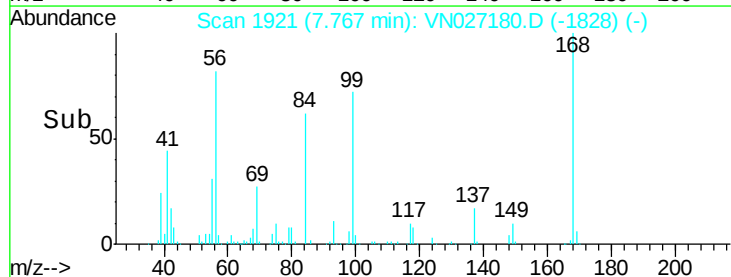
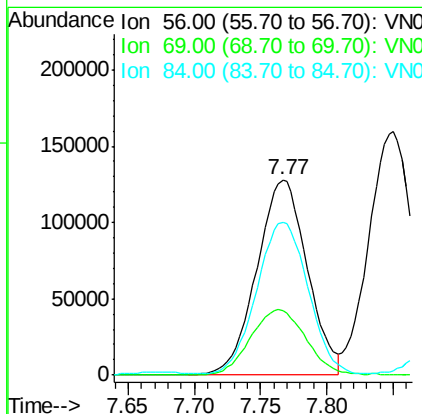
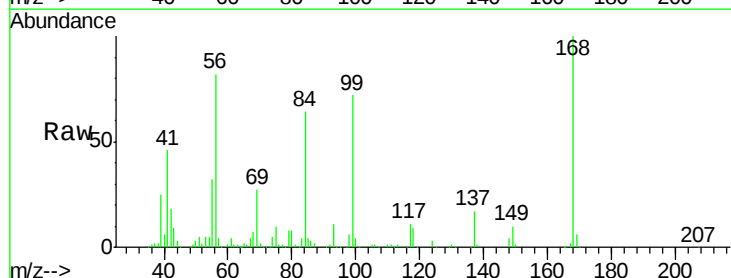
Tgt Ion: 56 Resp: 337755

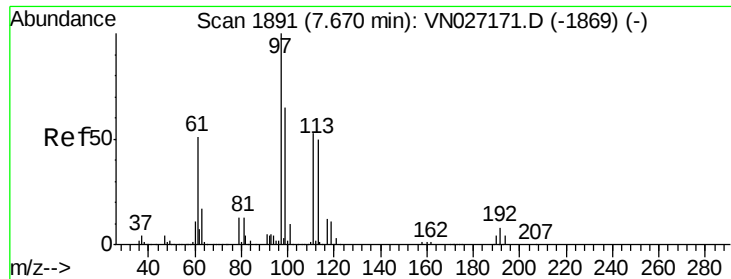
Ion Ratio Lower Upper

56 100

69 32.9 23.0 34.4

84 78.2 57.8 86.8





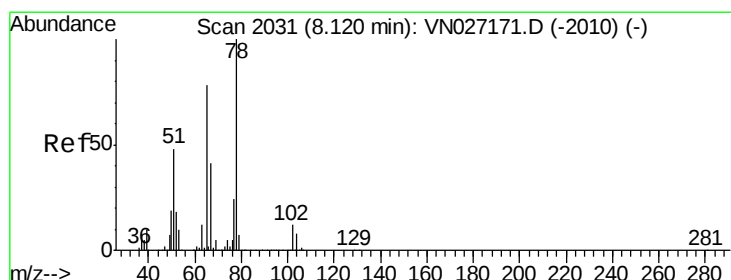
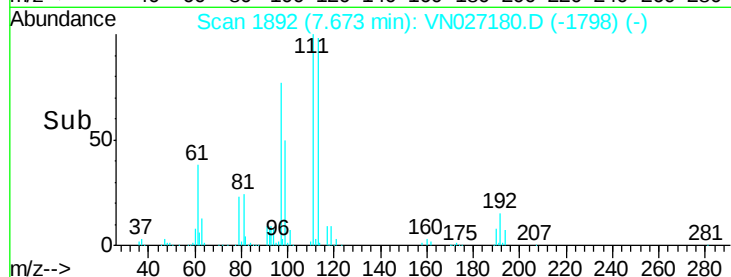
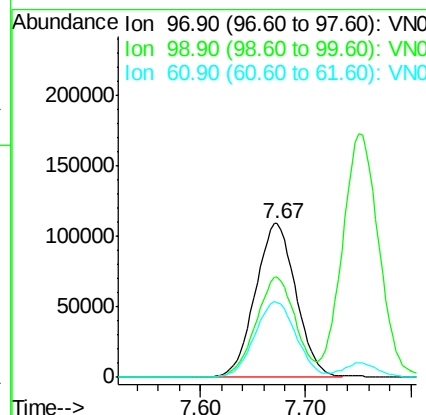
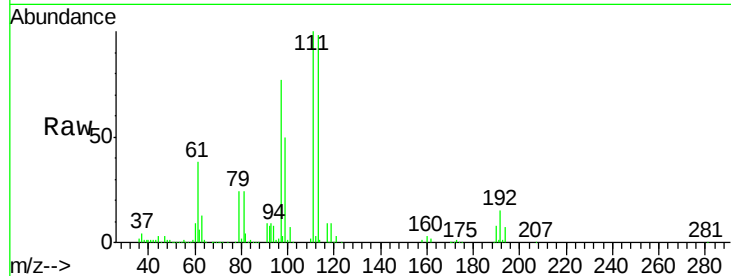
#33
 1,1,1-Trichloroethane
 Concen: 20.25 ug/l
 RT: 7.67 min Scan# 1892
 Delta R.T. 0.00 min
 Lab File: VN027180.D
 Acq: 15 Sep 2015 23:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
99	63.3	50.1	75.1
61	50.2	44.0	66.0

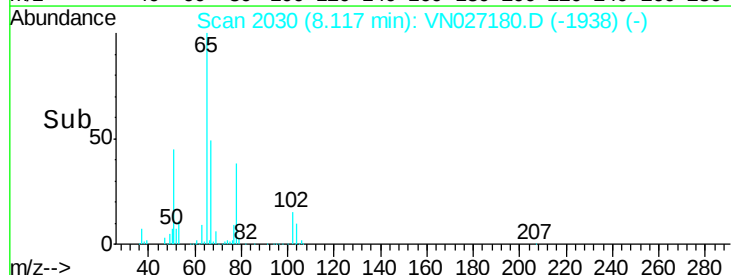
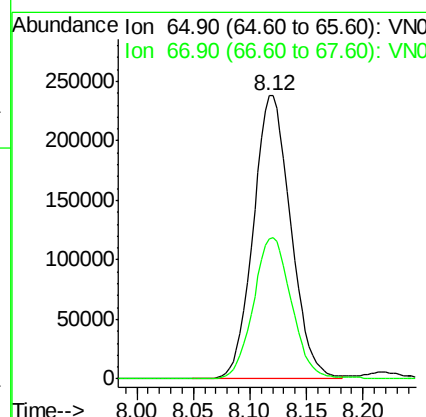
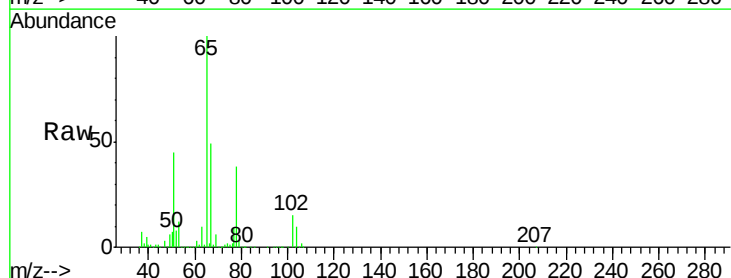
Manual Integrations
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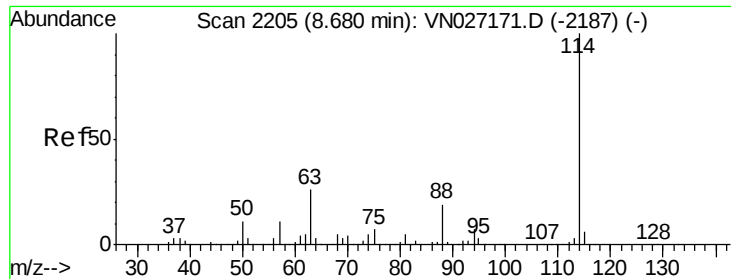
MMDadoda
 9/16/2015 11:47:38 AM



#34
 1,2-Dichloroethane-d4
 Concen: 47.19 ug/l
 RT: 8.12 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VN027180.D
 Acq: 15 Sep 2015 23:20

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	110.6





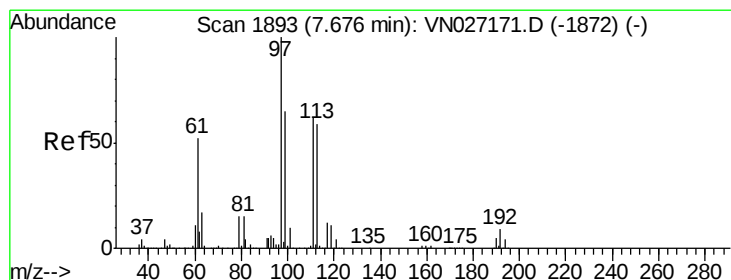
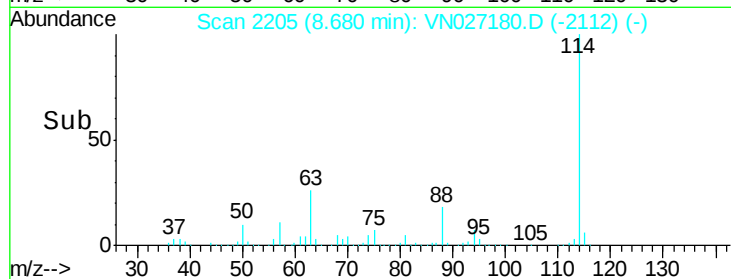
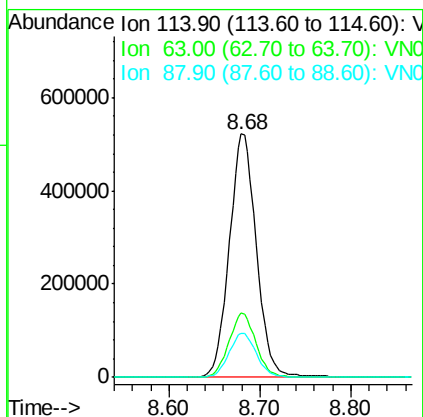
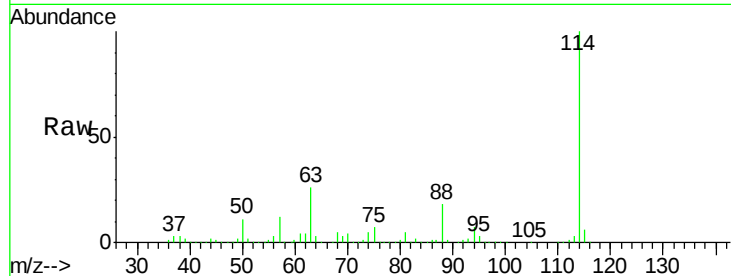
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027180.D
 Acq: 15 Sep 2015 23:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.2	0.0	48.8
88	18.1	0.0	32.2

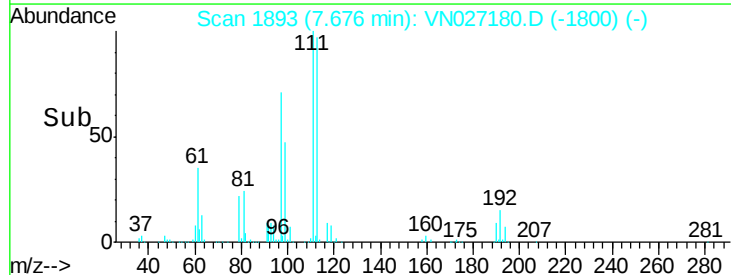
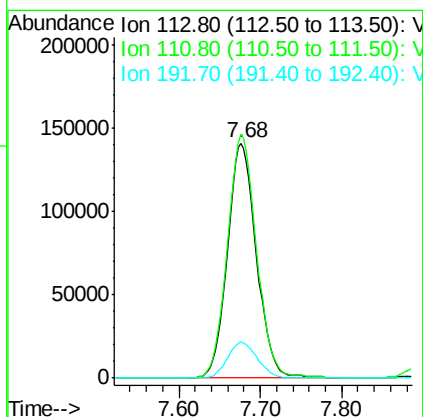
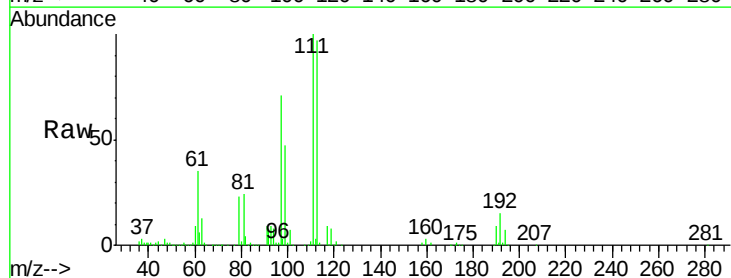
Manual Integrations
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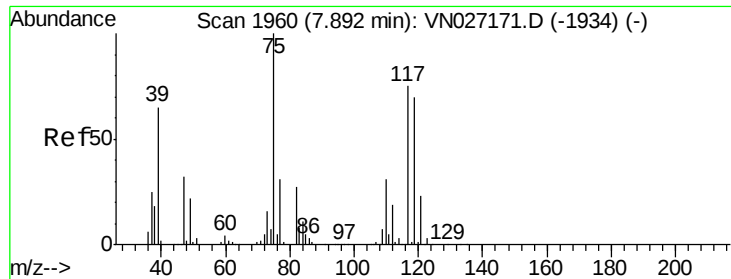
MMDadoda
 9/16/2015 11:47:38 AM



#36
 Dibromofluoromethane
 Concen: 46.96 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027180.D
 Acq: 15 Sep 2015 23:20

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.2	83.0	124.4
192	15.6	14.1	21.1





#37

1,1-Dichloropropene

Concen: 19.67 ug/l

RT: 7.89 min Scan# 1960

Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Instrument :

MSVOA_N

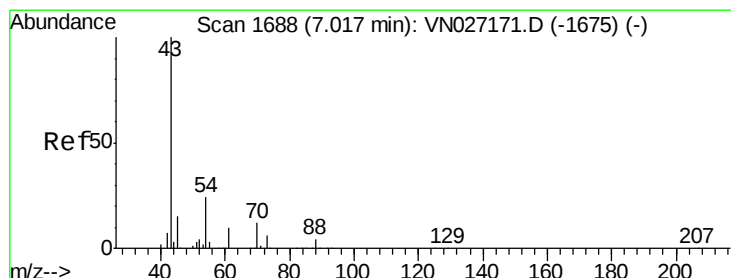
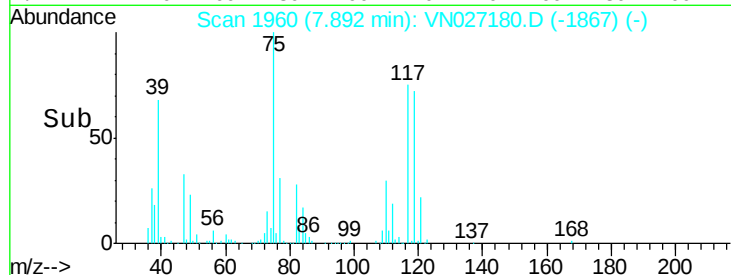
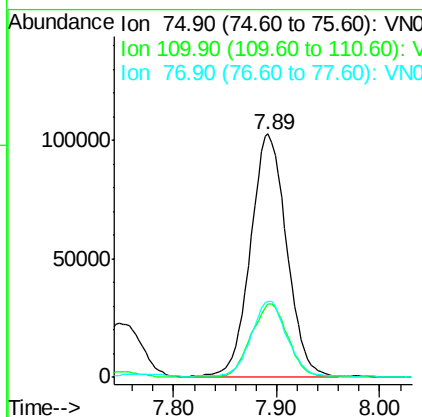
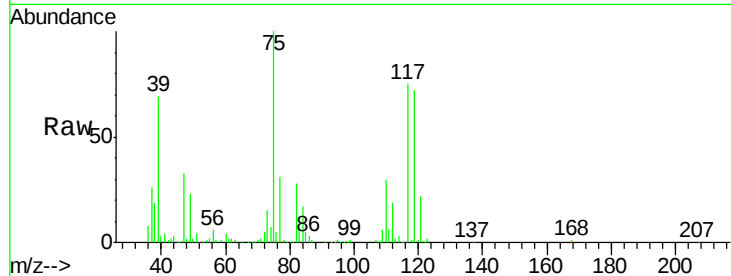
ClientSampleId :

VN0915WBS01

Tot Ion:	75	Resp:	247780
Ion	Ratio	Lower	Upper
75	100		
110	31.0	15.9	47.7
77	30.4	24.9	37.3

Manual Integrations
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9/16/2015 11:47:38 AM



#38

Ethyl Acetate

Concen: 19.81 ug/l

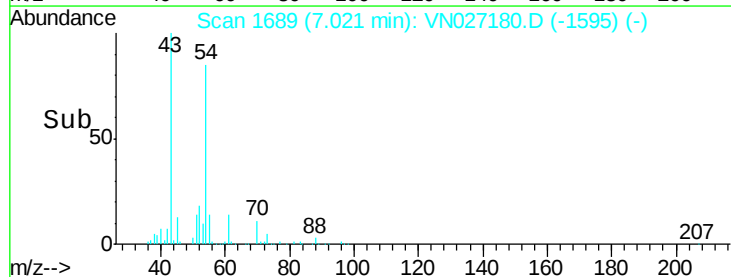
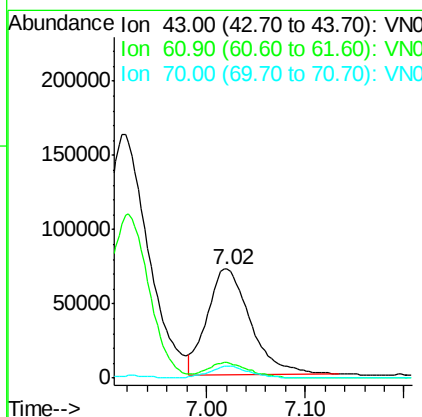
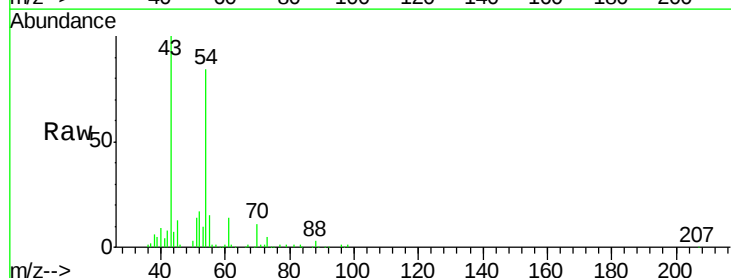
RT: 7.02 min Scan# 1689

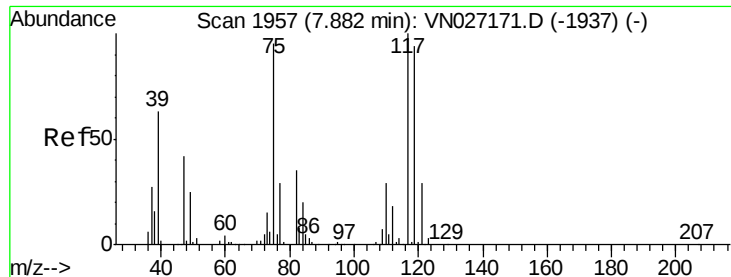
Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Tgt Ion:	43	Resp:	219011
Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.2	15.4
70	9.5	7.4	11.0





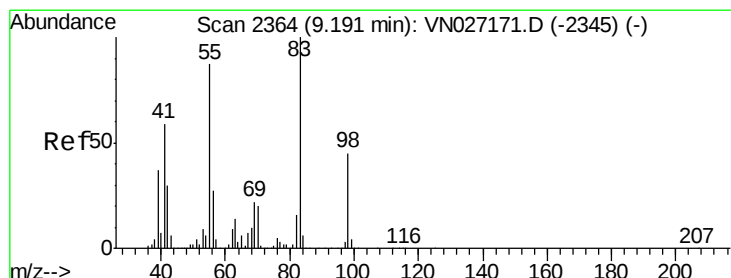
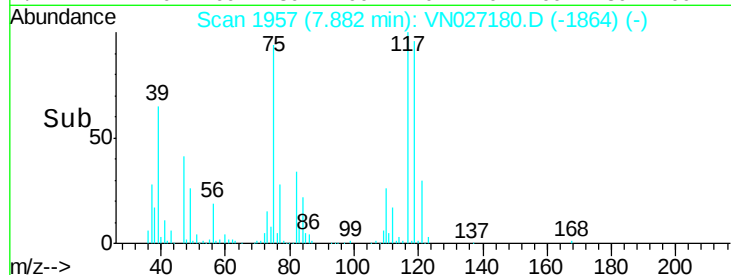
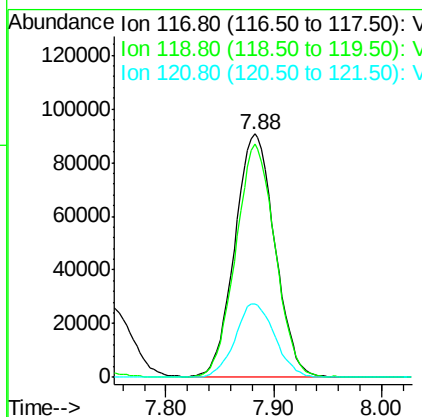
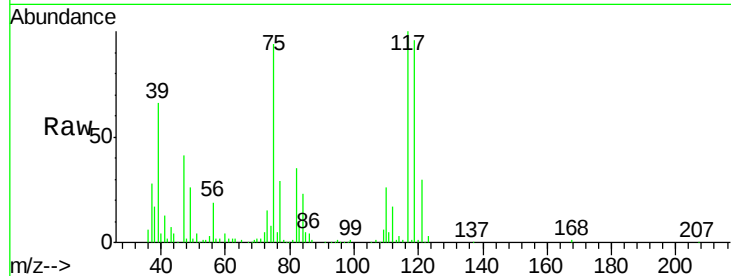
#39
Carbon Tetrachloride
Concen: 19.69 ug/l
RT: 7.88 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VN027180.D
Acq: 15 Sep 2015 23:20

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	233179		
119	96.1	75.3	112.9	
121	30.3	23.8	35.8	

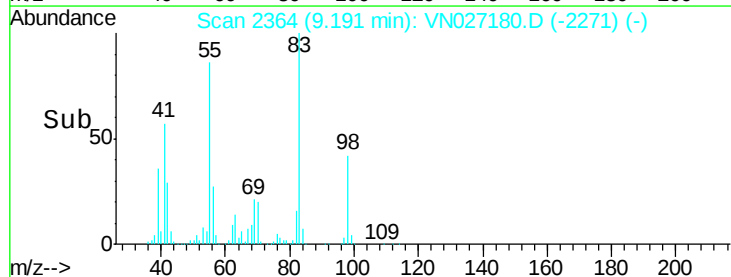
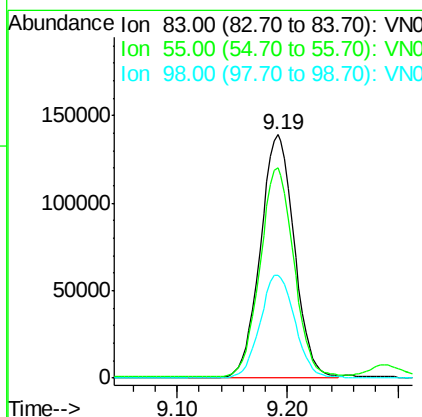
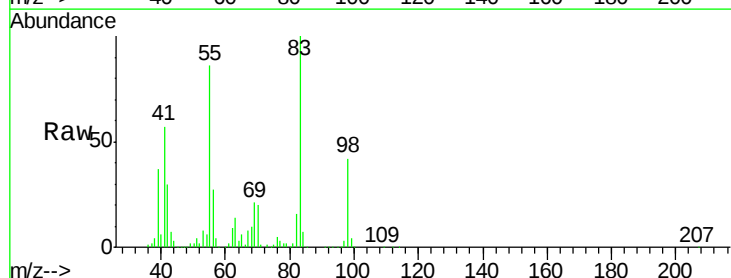
Manual Integrations
APPROVED

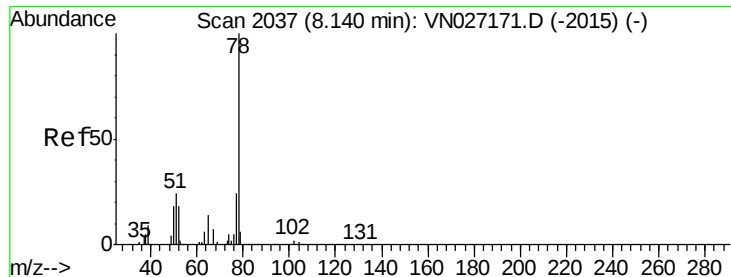
MMDadoda
9/16/2015 11:47:38 AM



#40
Methylcyclohexane
Concen: 19.25 ug/l
RT: 9.19 min Scan# 2364
Delta R.T. 0.00 min
Lab File: VN027180.D
Acq: 15 Sep 2015 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	295305		
55	85.8	69.8	104.8	
98	42.1	34.3	51.5	





#41

Benzene

Concen: 19.72 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tot Ion: 78 Resp: 724647

Ion Ratio Lower Upper

78 100

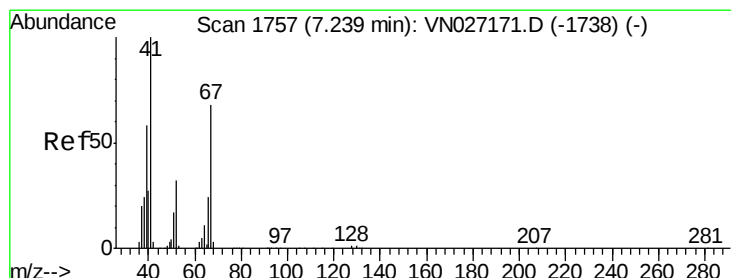
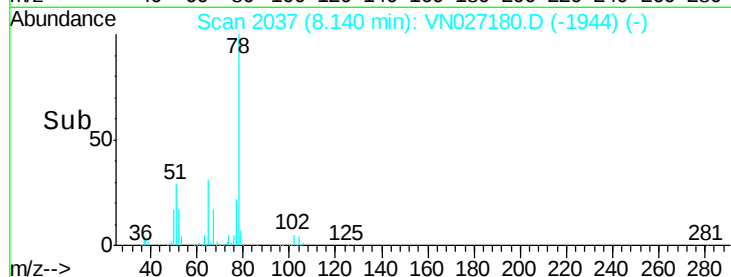
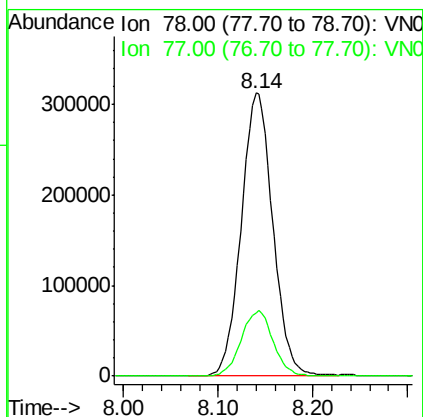
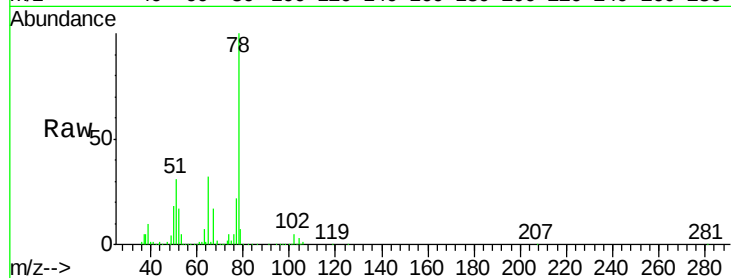
77 22.5 19.0 28.4

Manual Integrations

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MMDadoda

9/16/2015 11:47:38 AM



#42

Methacrylonitrile

Concen: 20.20 ug/l

RT: 7.24 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Tgt Ion: 41 Resp: 122986

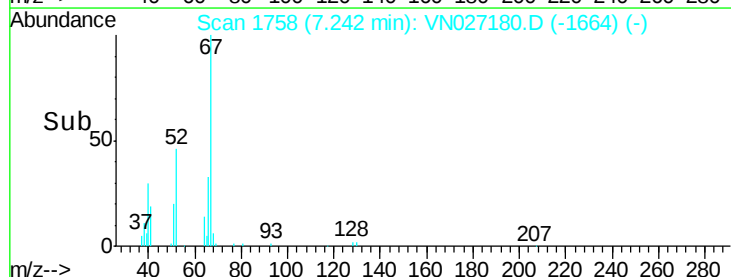
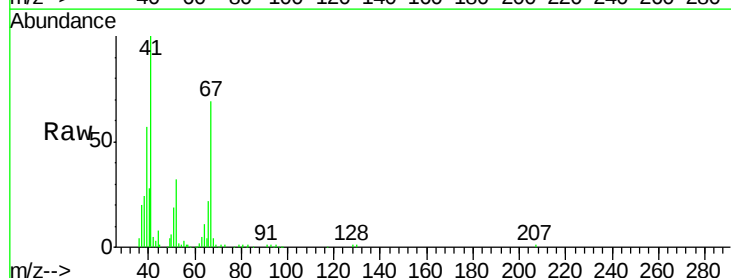
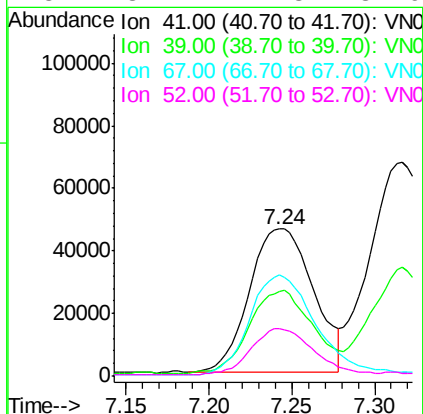
Ion Ratio Lower Upper

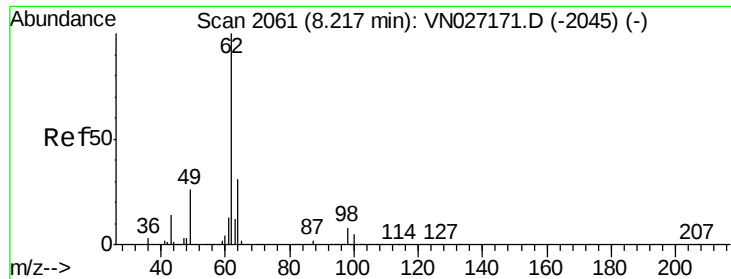
41 100

39 58.4 43.0 64.6

67 72.9 52.2 78.2

52 32.4 21.3 31.9#





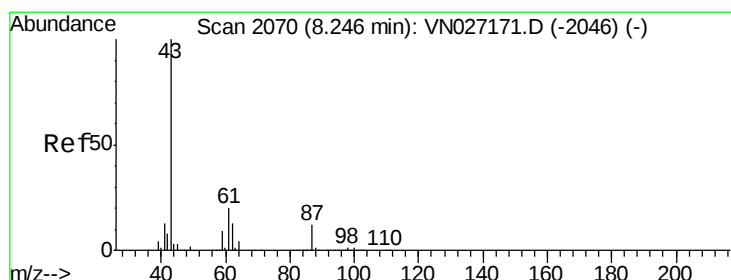
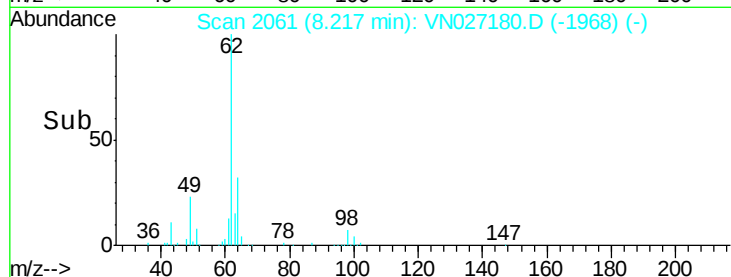
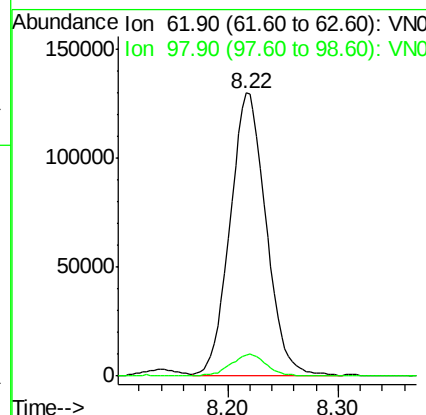
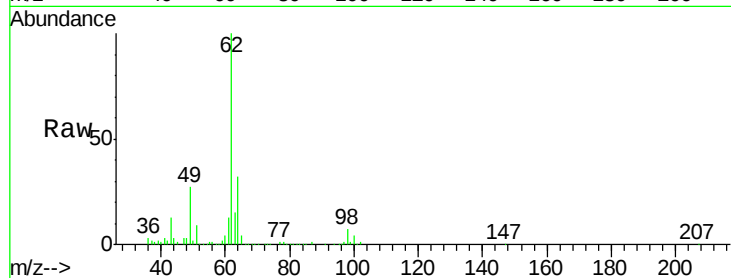
#43
 1,2-Dichloroethane
 Concen: 19.72 ug/l
 RT: 8.22 min Scan# 2061
 Delta R.T. 0.00 min
 Lab File: VN027180.D
 Acq: 15 Sep 2015 23:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tot Ion	Ratio	Resp	Lower	Upper
62	100	291988		
98	7.7	0.0	18.0	

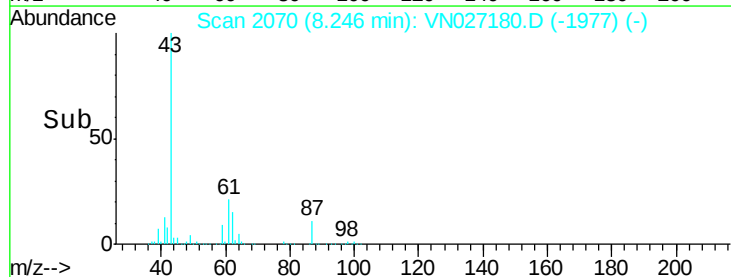
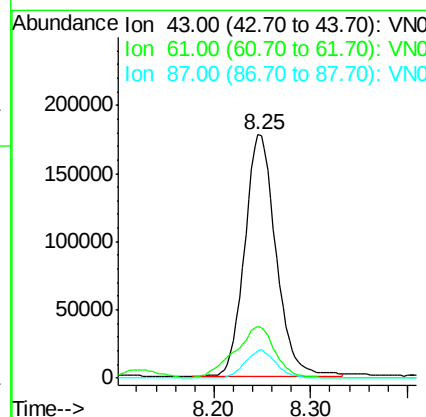
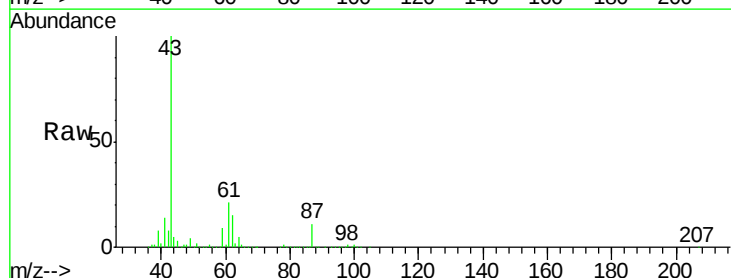
Manual Integrations
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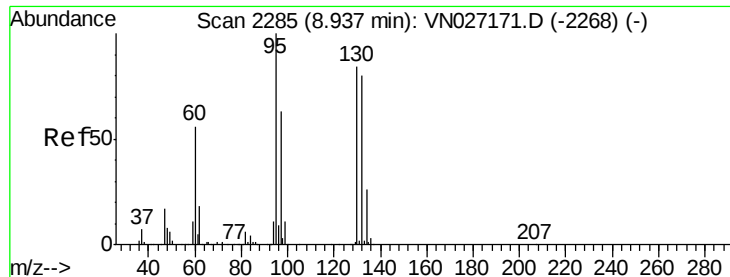
MMDadoda
 9/16/2015 11:47:38 AM



#44
 Isopropyl Acetate
 Concen: 19.84 ug/l
 RT: 8.25 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VN027180.D
 Acq: 15 Sep 2015 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	399332		
61	27.1	20.6	31.0	
87	11.3	8.6	13.0	





#45

Trichloroethene

Concen: 19.99 ug/l

RT: 8.94 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tot Ion:130 Resp: 147585

Ion Ratio Lower Upper

130 100

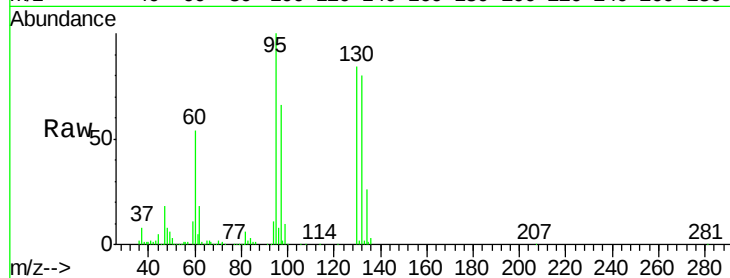
95 119.2 0.0 222.2

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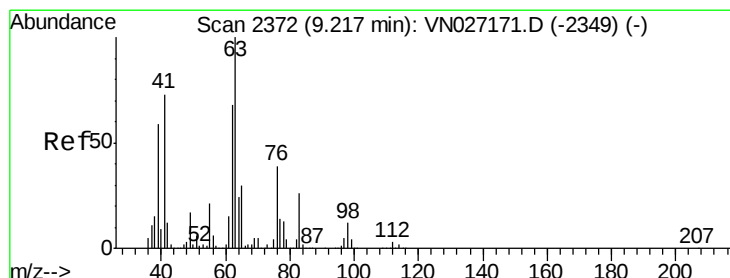
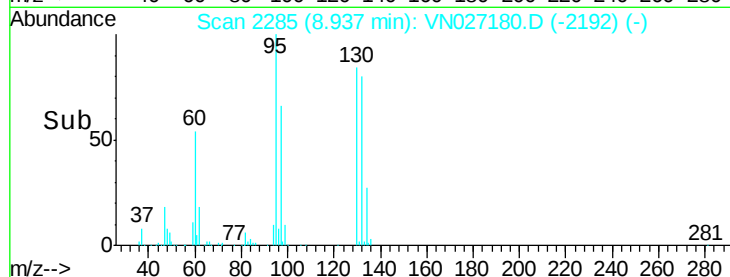


Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.94

Time--> 8.80 8.90 9.00 9.10



#46

1,2-Dichloropropane

Concen: 19.45 ug/l

RT: 9.22 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN027180.D

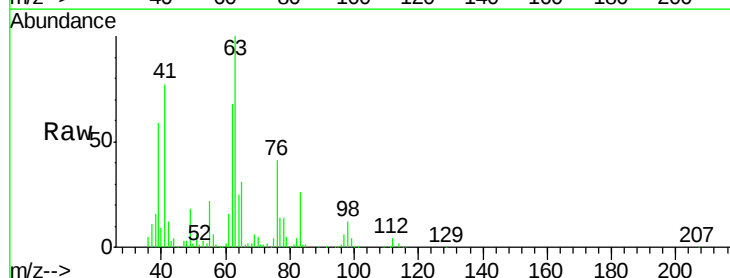
Acq: 15 Sep 2015 23:20

Tgt Ion: 63 Resp: 205617

Ion Ratio Lower Upper

63 100

65 30.8 24.4 36.6

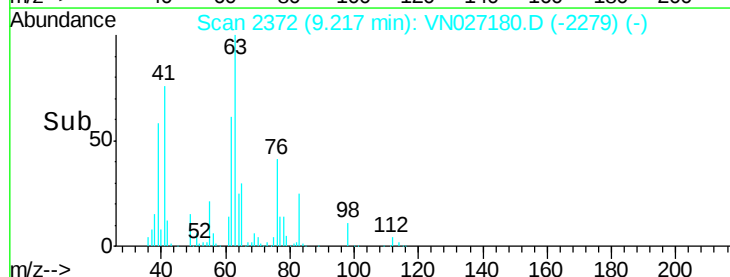


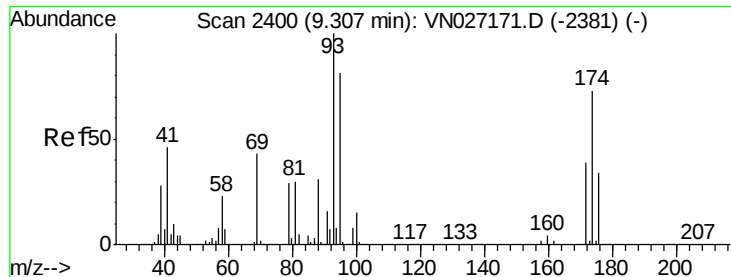
Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN

9.22

Time--> 9.10 9.20 9.30





#47

Dibromomethane

Concen: 19.77 ug/l

RT: 9.31 min Scan# 2400

Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Instrument :

MSVOA_N

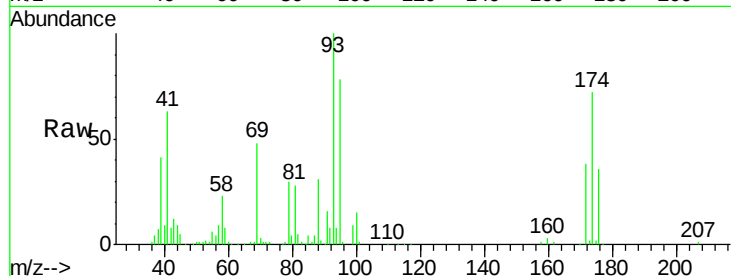
ClientSampleId :

VN0915WBS01

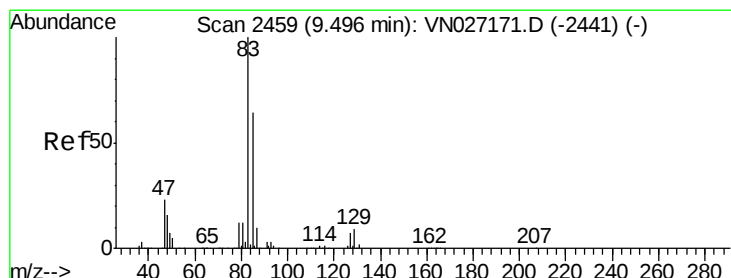
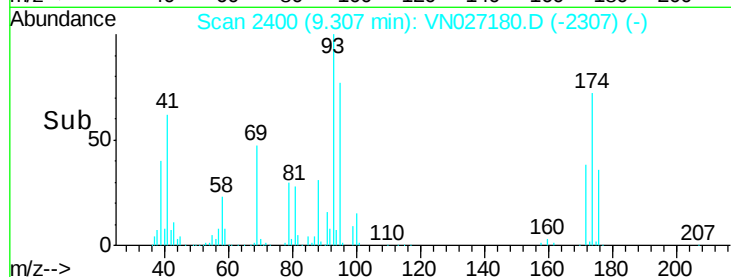
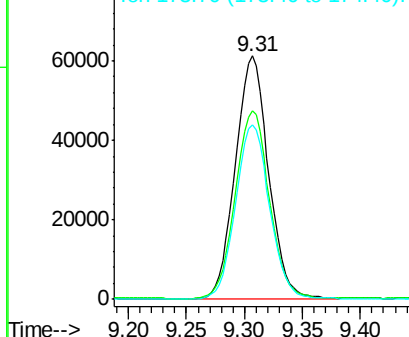
Tot Ion:	93	Resp:	122756
Ion	Ratio	Lower	Upper
93	100		
95	79.8	66.3	99.5
174	73.1	67.8	101.6

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



#48

Bromodichloromethane

Concen: 19.83 ug/l

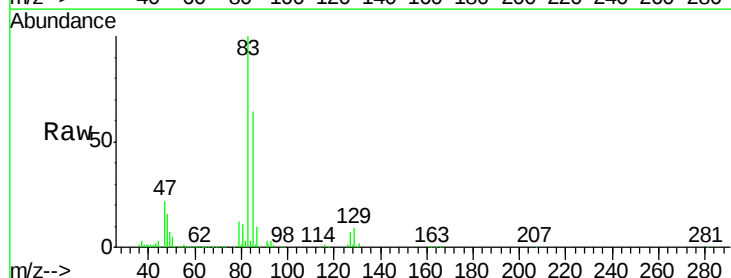
RT: 9.49 min Scan# 2458

Delta R.T. -0.00 min

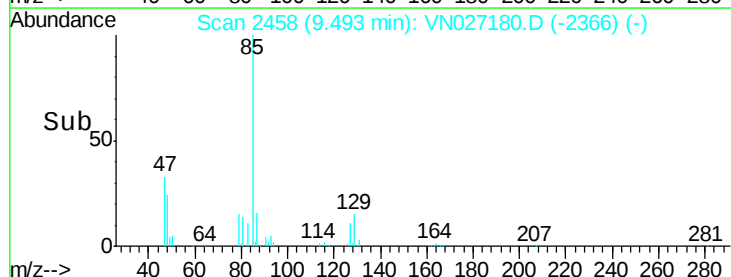
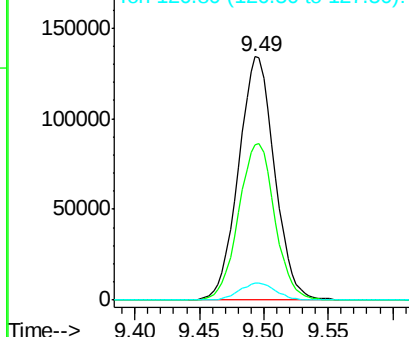
Lab File: VN027180.D

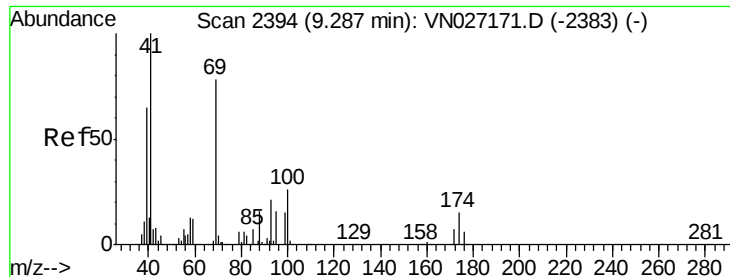
Acq: 15 Sep 2015 23:20

Tgt Ion:	83	Resp:	259407
Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.7	76.1
127	6.8	5.5	8.3



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





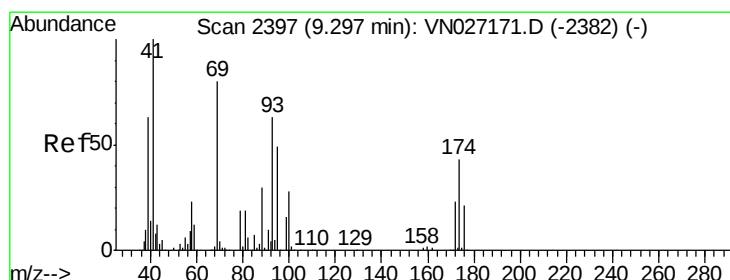
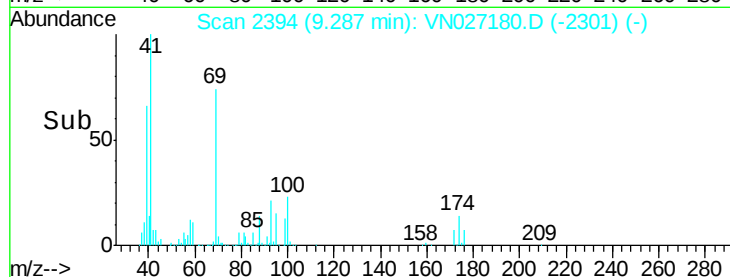
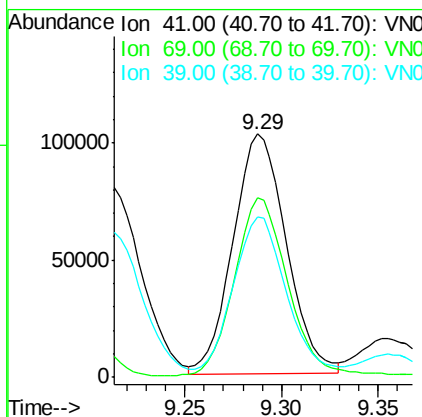
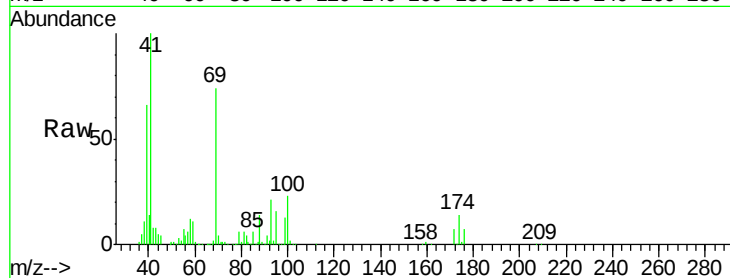
#49
Methvl methacrylate
Concen: 19.55 ug/l
RT: 9.29 min Scan# 2394
Delta R.T. 0.00 min
Lab File: VN027180.D
Acq: 15 Sep 2015 23:20

Instrument :
MSVOA_N
ClientSampled :
VN0915WBS01

Tot Ion	Ratio	Resp	Lower	Upper
41	100	196086		
69	74.8	59.3	88.9	
39	65.4	39.5	59.3#	

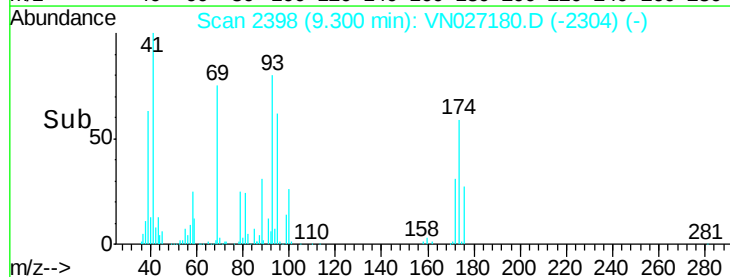
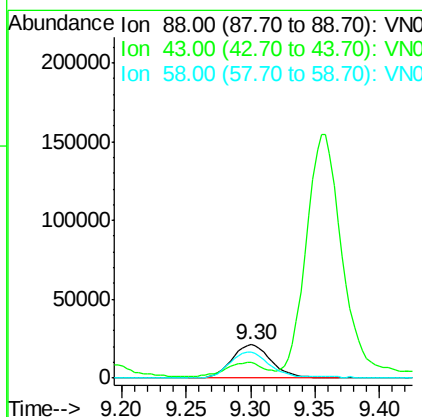
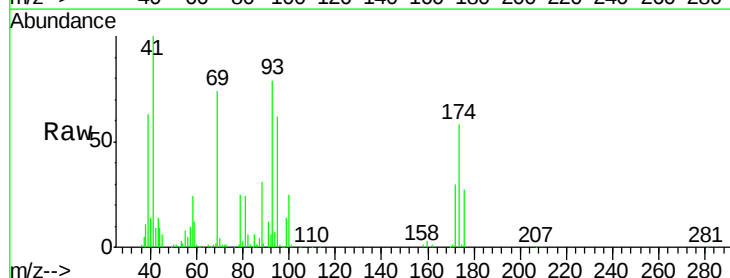
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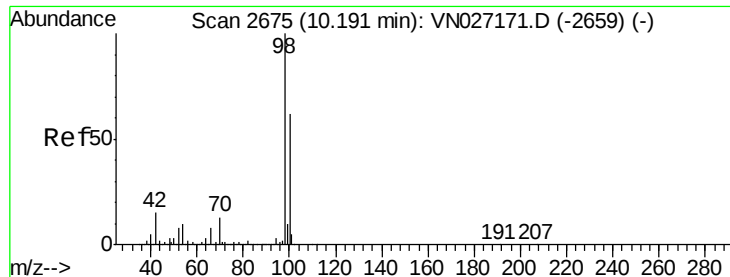
MMDadoda
9/16/2015 11:47:38 AM



#50
1,4-Dioxane
Concen: 387.48 ug/l
RT: 9.30 min Scan# 2398
Delta R.T. 0.00 min
Lab File: VN027180.D
Acq: 15 Sep 2015 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	45577		
43	39.3	27.6	41.4	
58	76.2	63.1	94.7	





#51

Toluene-d8

Concen: 45.82 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tot Ion: 98 Resp: 1338172

Ion Ratio Lower Upper

98 100

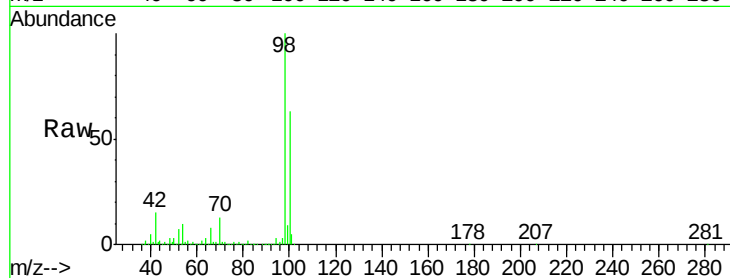
100 62.2 50.5 75.7

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Abundance Ion 98.00 (97.70 to 98.70): VN027171.D (-2659) (-)

Ion 100.00 (99.70 to 100.70): VN027171.D (-2659) (-)

10.19

800000

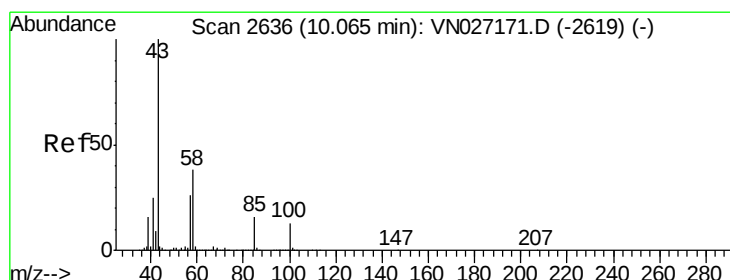
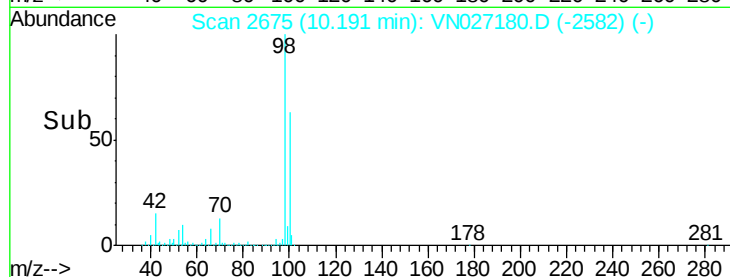
600000

400000

200000

0

Time-->



#52

4-Methyl-2-Pentanone

Concen: 98.61 ug/l

RT: 10.07 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VN027180.D

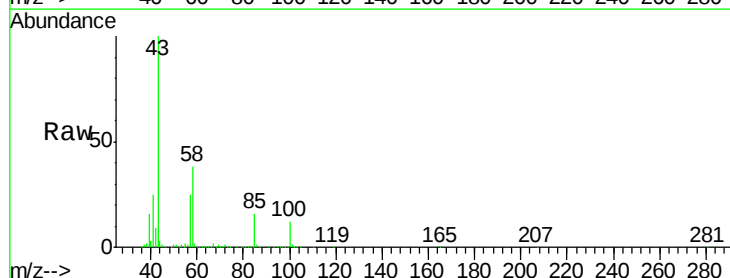
Acq: 15 Sep 2015 23:20

Tgt Ion: 43 Resp: 1049500

Ion Ratio Lower Upper

43 100

58 37.6 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN027171.D (-2619) (-)

Ion 58.00 (57.70 to 58.70): VN027171.D (-2619) (-)

10.07

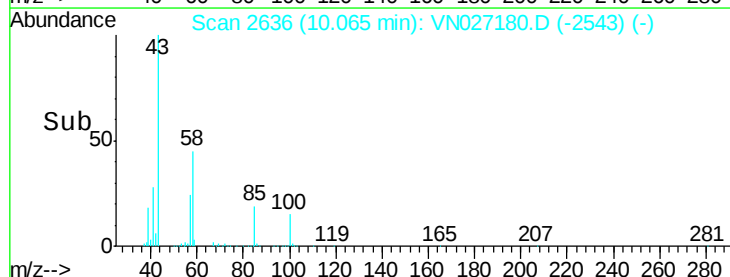
600000

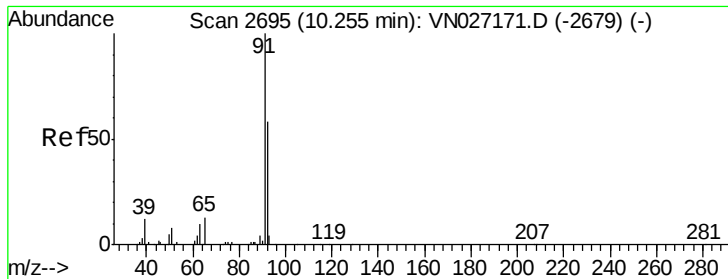
400000

200000

0

Time-->





#53

Toluene

Concen: 19.41 ug/l

RT: 10.26 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tot Ion: 92 Resp: 417917

Ion Ratio Lower Upper

92 100

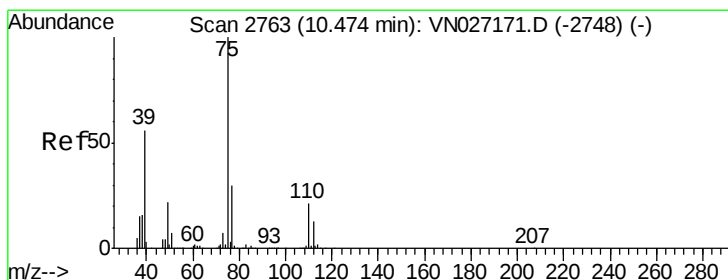
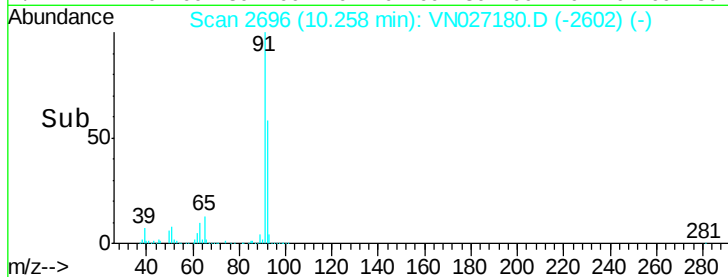
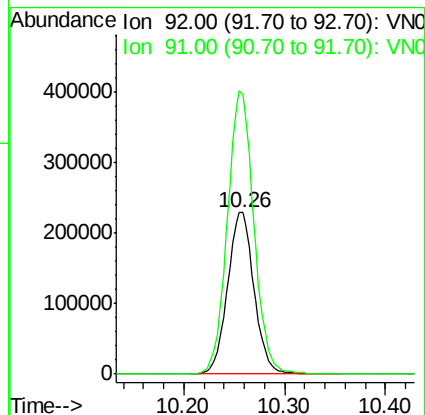
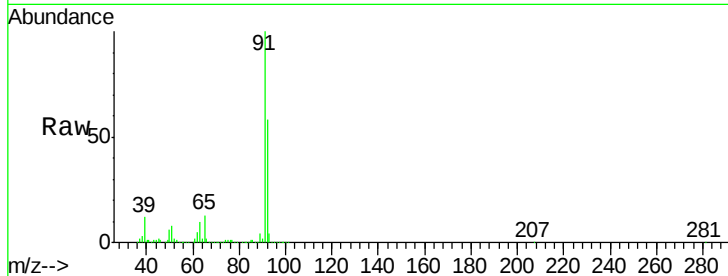
91 175.1 141.4 212.2

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#54

t-1,3-Dichloropropene

Concen: 18.95 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027180.D

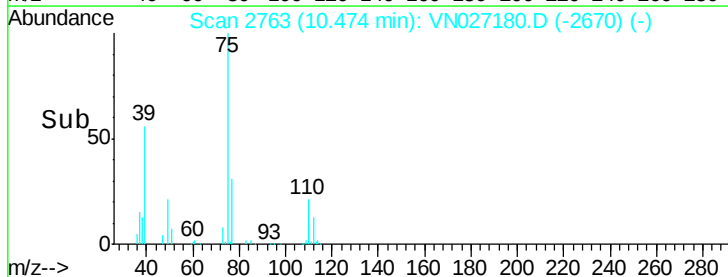
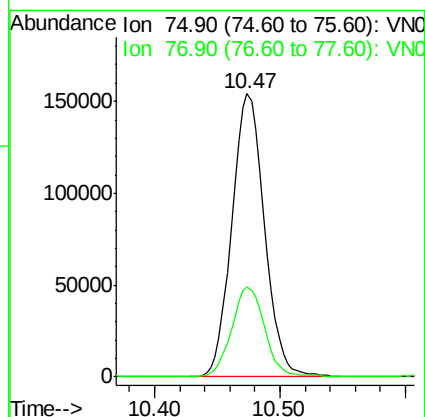
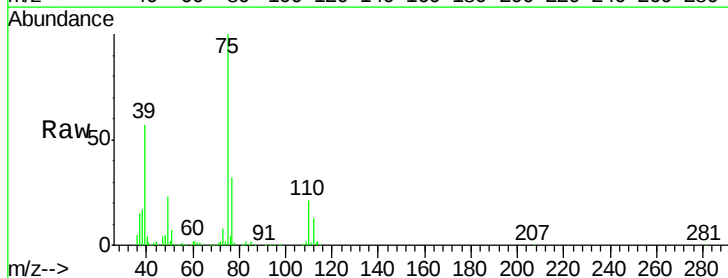
Acq: 15 Sep 2015 23:20

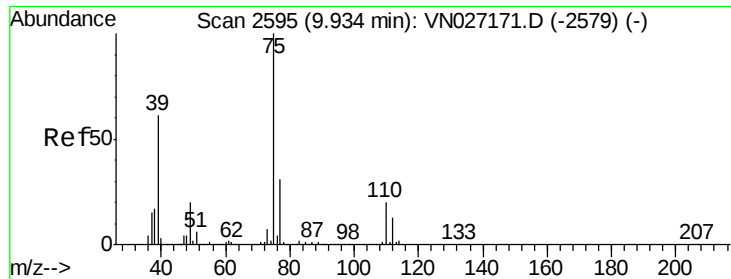
Tgt Ion: 75 Resp: 278502

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.2





#55

cis-1,3-Dichloropropene

Concen: 19.07 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Instrument :

MSVOA_N

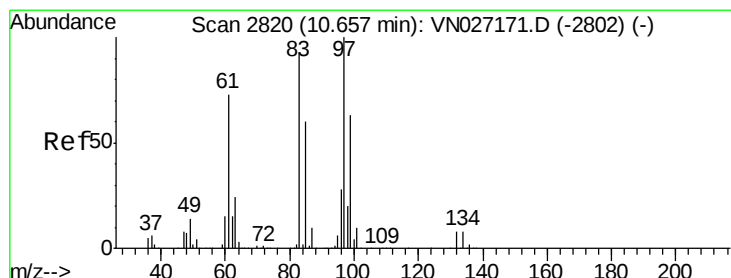
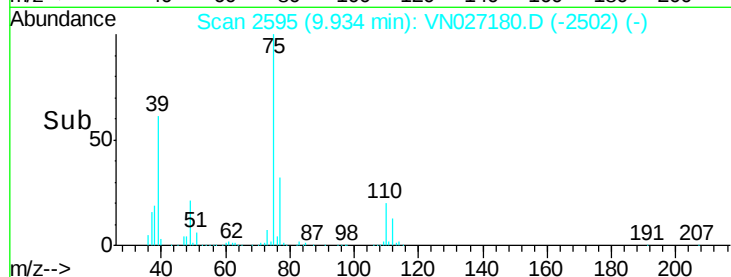
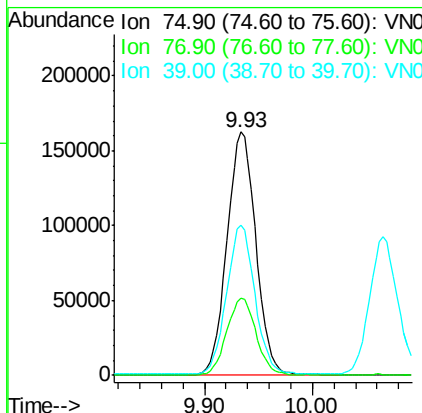
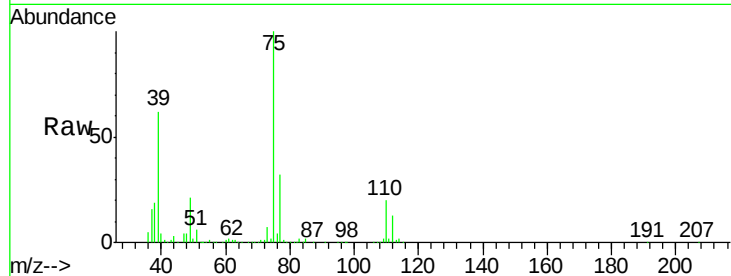
ClientSampleId :

VN0915WBS01

Tot Ion:	75	Resp:	304810
Ion Ratio	Lower	Upper	
75	100		
77	31.6	25.6	38.4
39	61.2	41.6	62.4

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#56

1,1,2-Trichloroethane

Concen: 20.34 ug/l

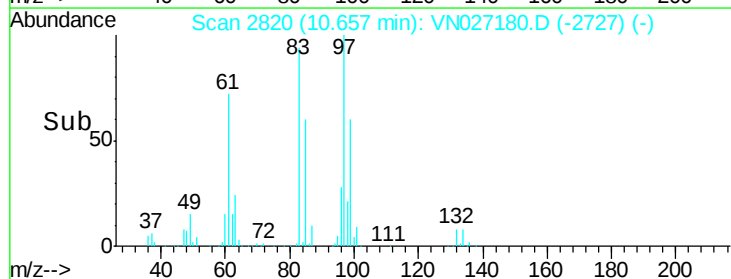
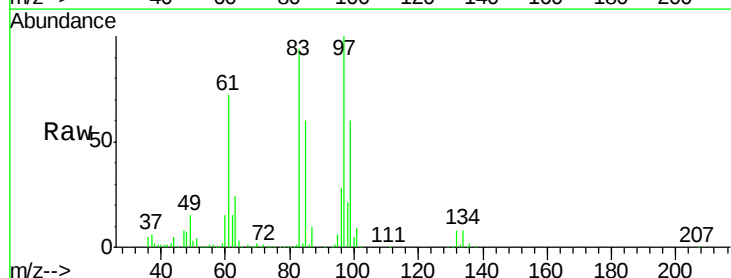
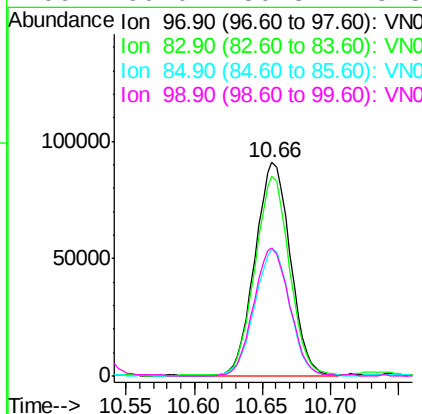
RT: 10.66 min Scan# 2820

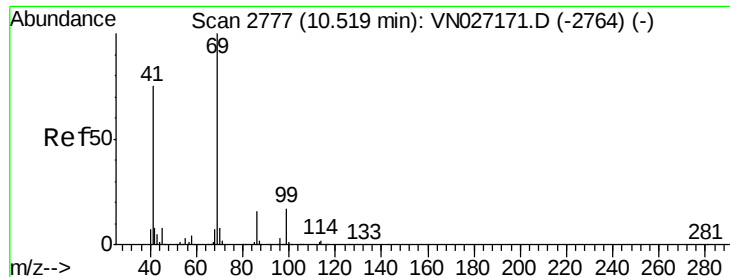
Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Tgt Ion:	97	Resp:	164574
Ion Ratio	Lower	Upper	
97	100		
83	93.3	75.0	112.4
85	59.3	48.0	72.0
99	60.0	50.3	75.5





#57

Ethyl methacrylate

Concen: 19.49 ug/l

RT: 10.52 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Instrument :

MSVOA_N

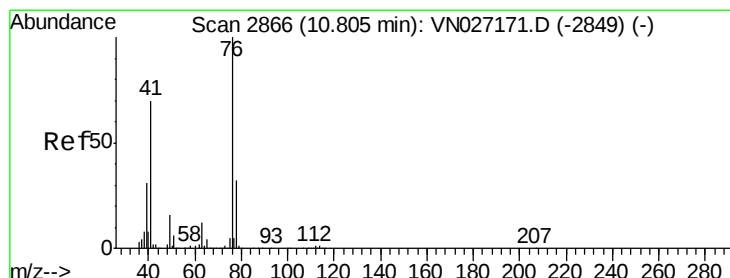
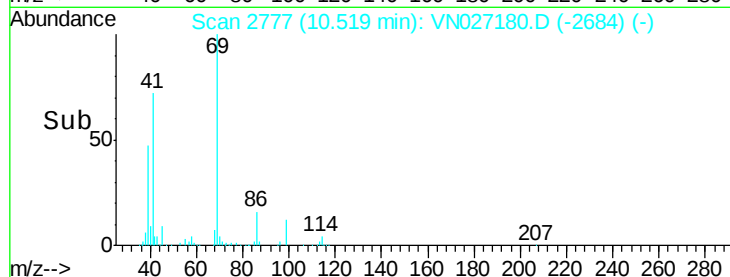
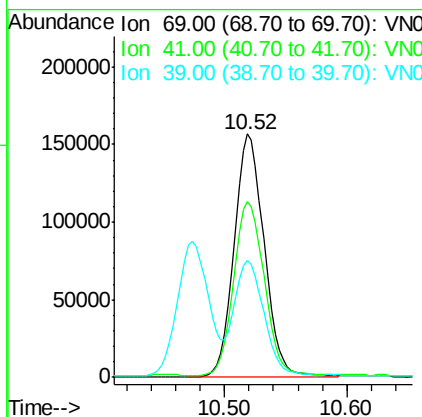
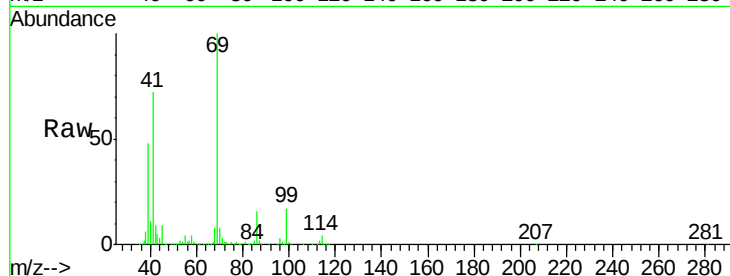
ClientSampled :

VN0915WBS01

Tot Ion:	69	Resp:	265697
Ion Ratio		Lower	Upper
69	100		
41	73.1	61.3	91.9
39	46.5	28.4	42.6

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#58

1,3-Dichloropropane

Concen: 19.79 ug/l

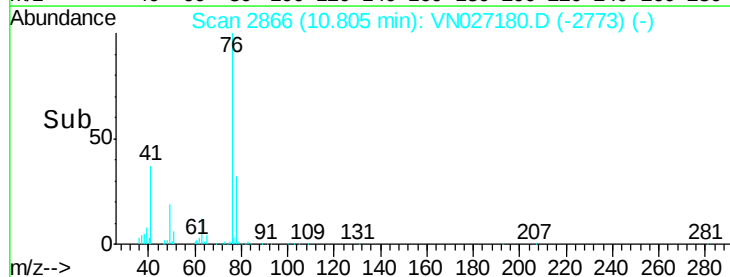
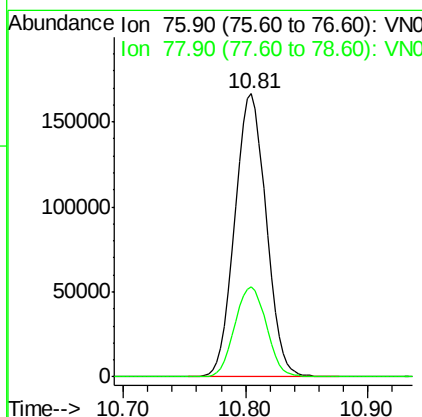
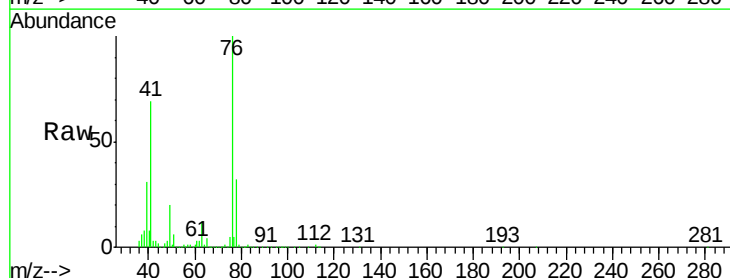
RT: 10.81 min Scan# 2866

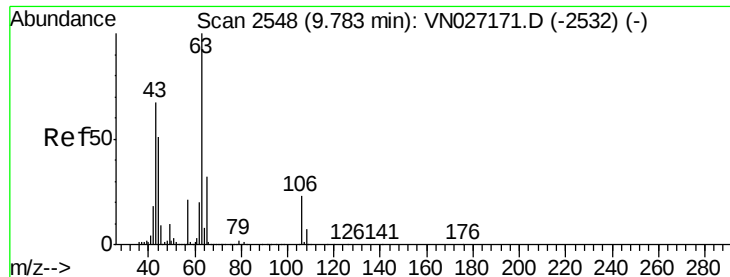
Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Tgt Ion:	76	Resp:	297175
Ion Ratio		Lower	Upper
76	100		
78	32.4	25.0	37.6





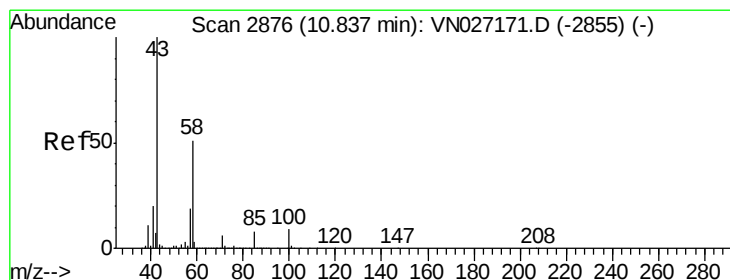
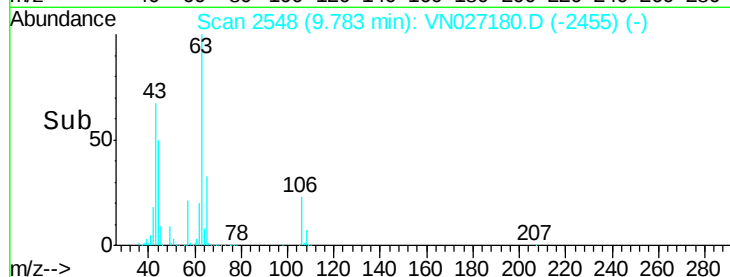
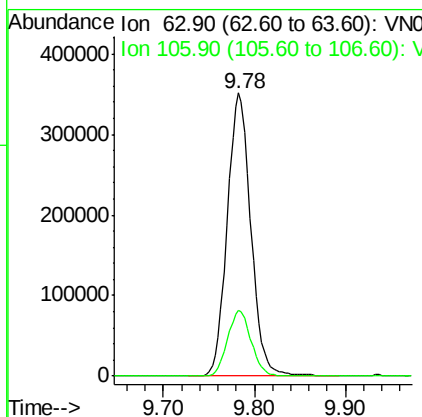
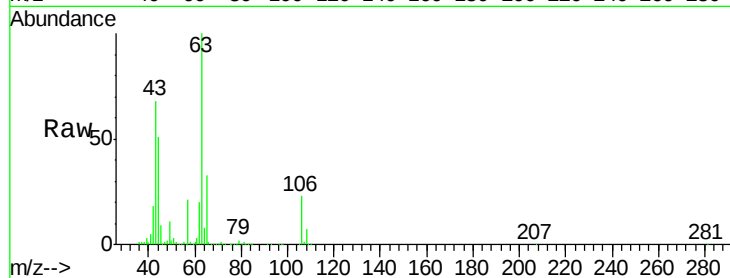
#59
2-Chloroethyl Vinyl ether
Concen: 101.18 ug/l
RT: 9.78 min Scan# 2548
Delta R.T. 0.00 min
Lab File: VN027180.D
Acq: 15 Sep 2015 23:20

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tot Ion: 63 Resp: 633403
Ion Ratio Lower Upper
63 100
106 23.4 17.7 26.5

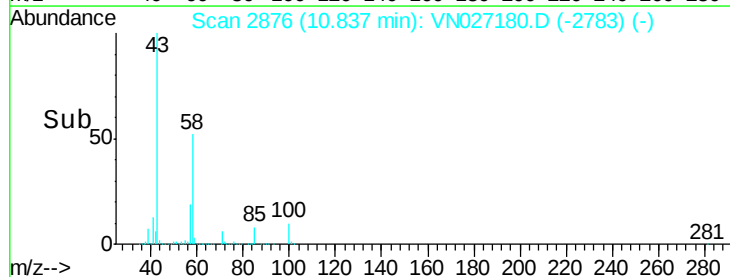
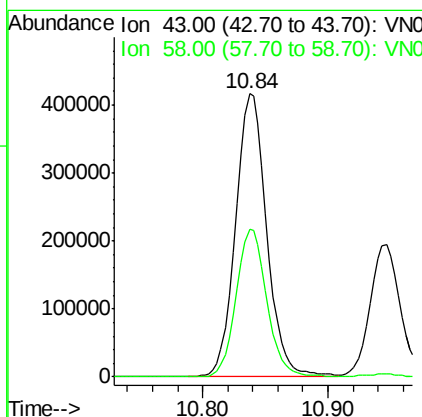
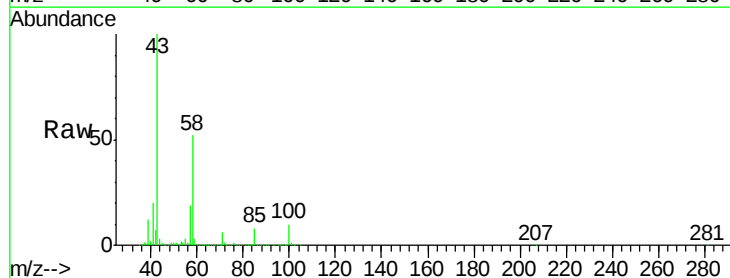
Manual Integrations
APPROVED

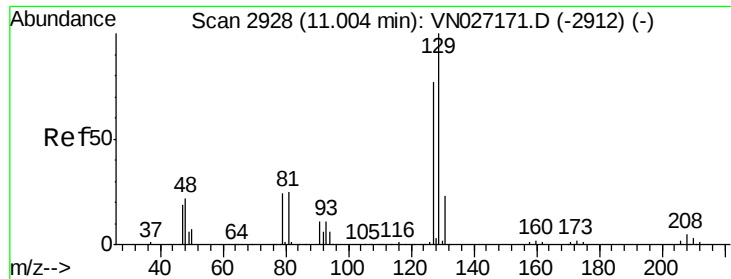
MMDadoda
9/16/2015 11:47:38 AM



#60
2-Hexanone
Concen: 98.09 ug/l
RT: 10.84 min Scan# 2876
Delta R.T. 0.00 min
Lab File: VN027180.D
Acq: 15 Sep 2015 23:20

Tgt Ion: 43 Resp: 710790
Ion Ratio Lower Upper
43 100
58 52.2 26.2 78.5





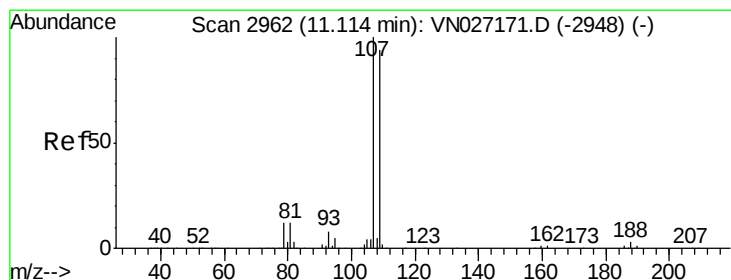
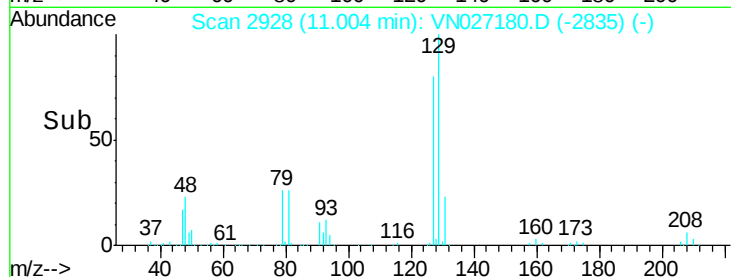
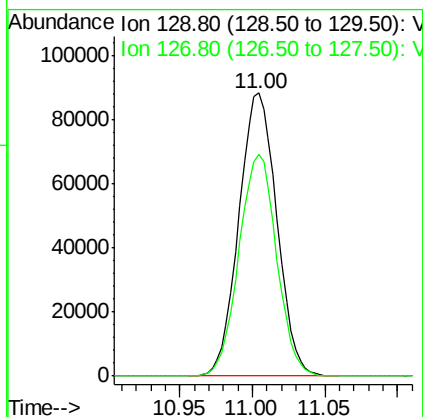
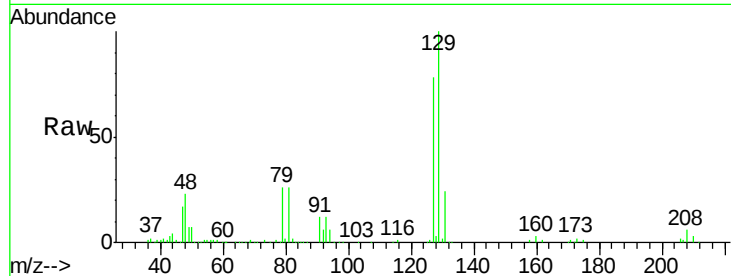
#61
Dibromochloromethane
Concen: 19.48 ug/l
RT: 11.00 min Scan# 2928
Delta R.T. 0.00 min
Lab File: VN027180.D
Acq: 15 Sep 2015 23:20

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.8	39.1	117.2

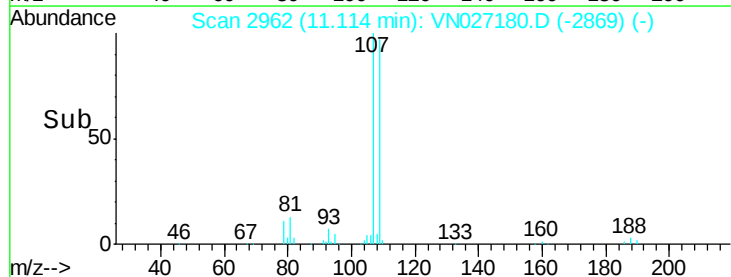
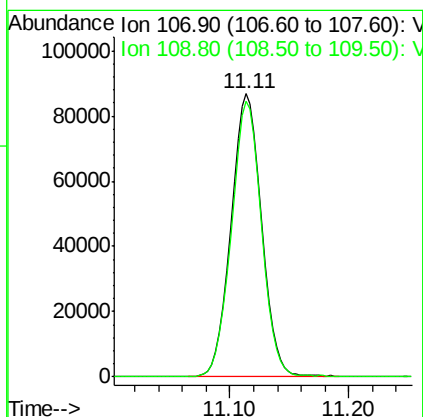
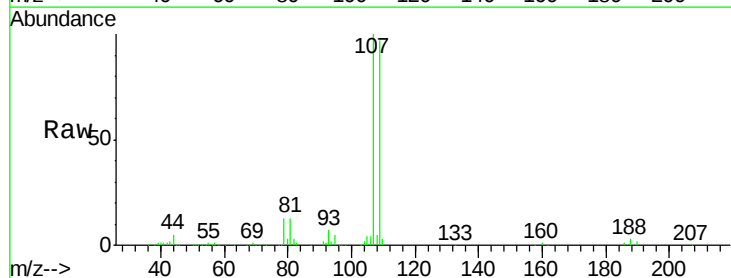
Manual Integrations
APPROVED

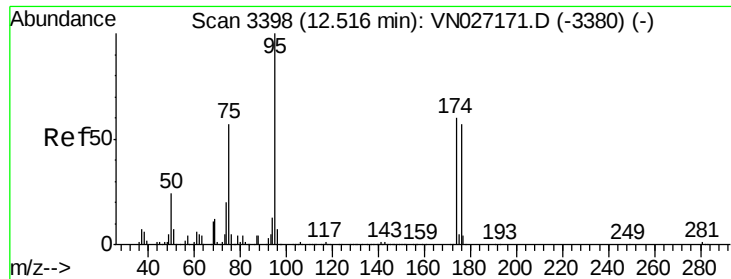
MMDadoda
9/16/2015 11:47:38 AM



#62
1,2-Dibromoethane
Concen: 19.40 ug/l
RT: 11.11 min Scan# 2962
Delta R.T. 0.00 min
Lab File: VN027180.D
Acq: 15 Sep 2015 23:20

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.9	75.6	113.4





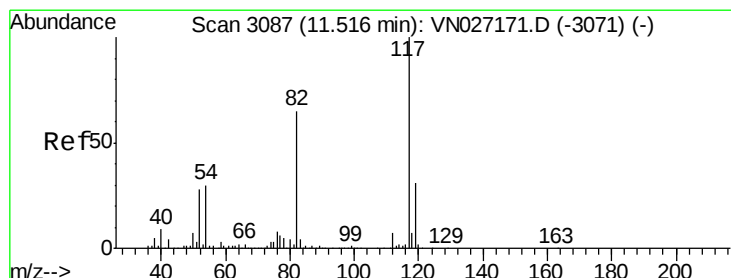
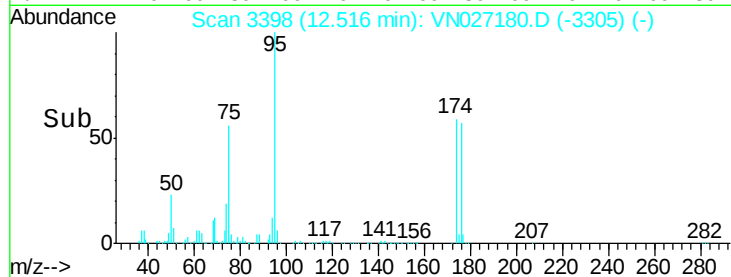
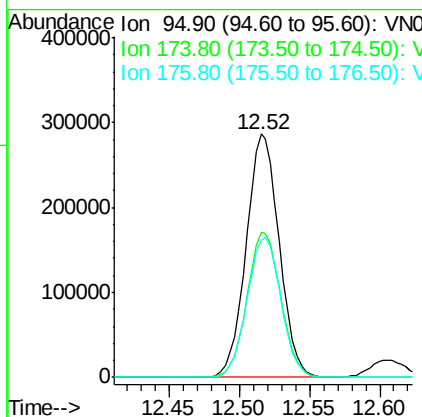
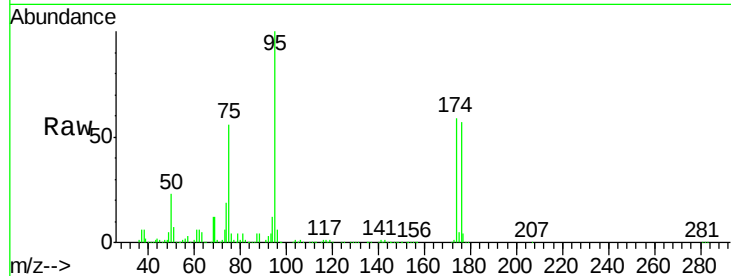
#63
4-Bromofluorobenzene
Concen: 45.25 ug/l
RT: 12.52 min Scan# 3398
Delta R.T. 0.00 min
Lab File: VN027180.D
Acq: 15 Sep 2015 23:20

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tot Ion	Ratio	Resp	Lower	Upper
95	100	469051		
174	60.9	0.0	137.0	
176	59.0	0.0	130.8	

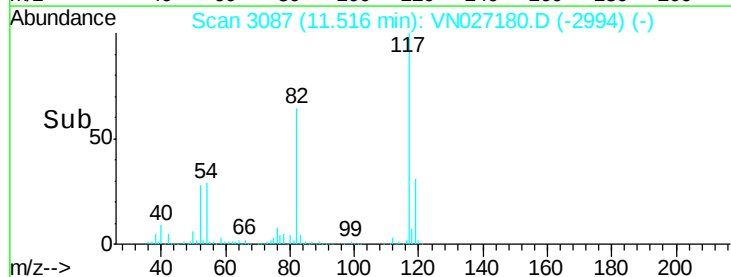
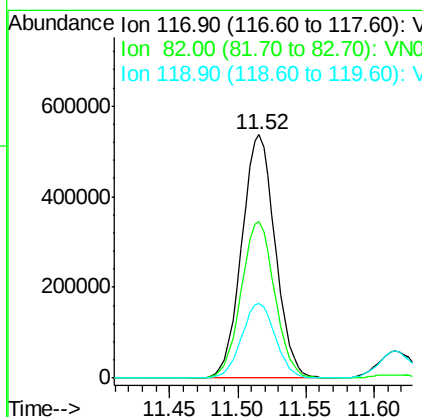
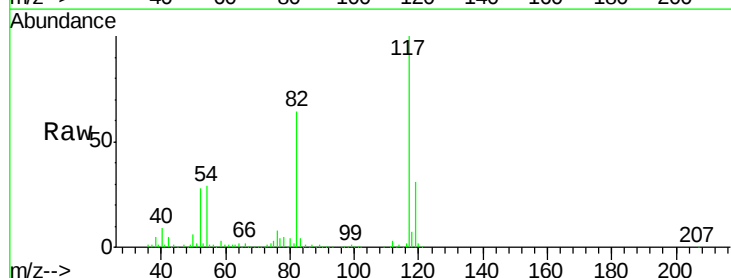
Manual Integrations
APPROVED

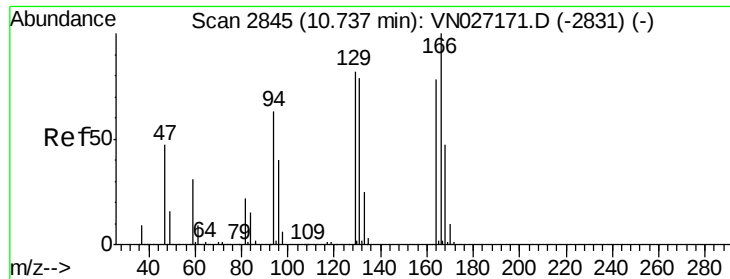
MMDadoda
9/16/2015 11:47:38 AM



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027180.D
Acq: 15 Sep 2015 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	913507		
82	64.1	49.6	74.4	
119	30.7	24.6	36.8	





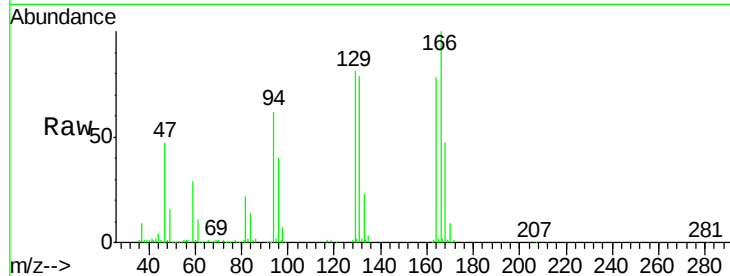
#65
Tetrachloroethene
Concen: 20.23 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.00 min
Lab File: VN027180.D
Acq: 15 Sep 2015 23:20

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.1	103.4	155.0
129	103.7	77.5	116.3
131	100.8	74.2	111.4

Manual Integrations
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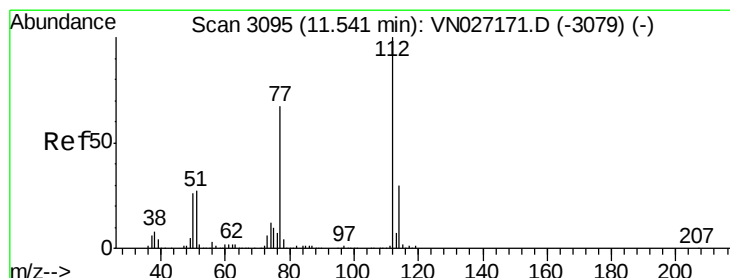
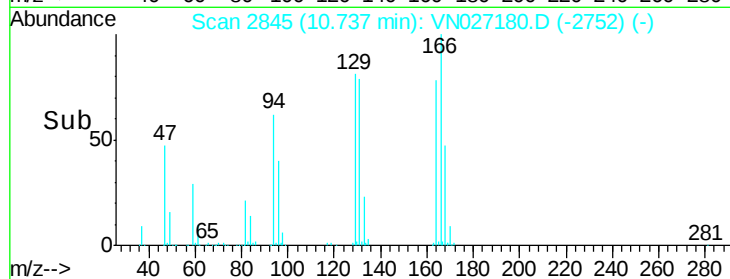
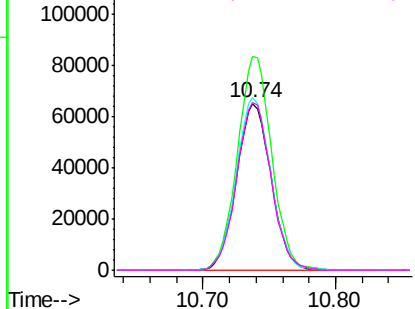
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

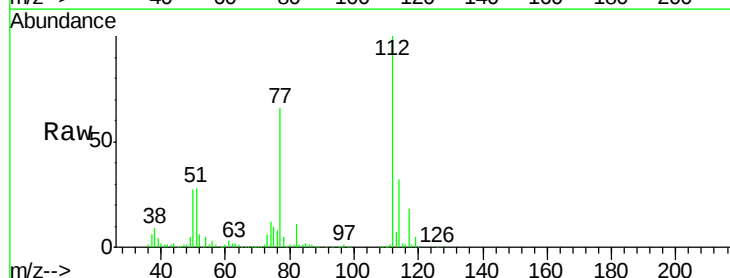
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#66
Chlorobenzene
Concen: 19.38 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VN027180.D
Acq: 15 Sep 2015 23:20

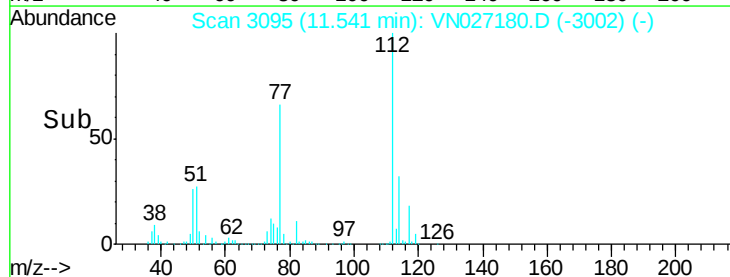
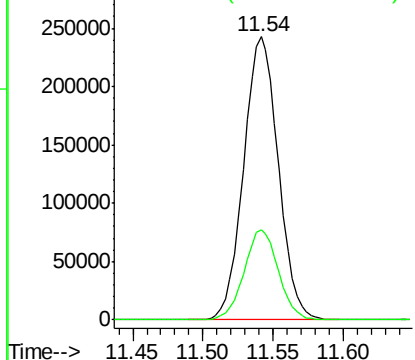
Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	24.9	37.3

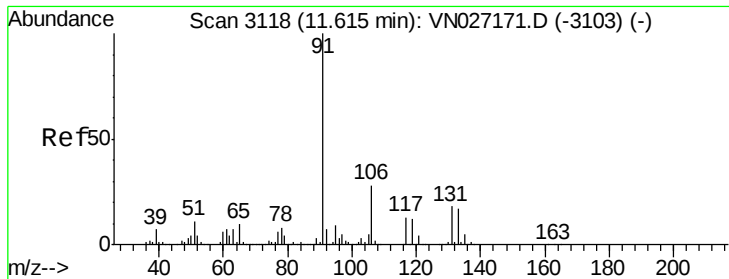


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#67

1,1,1,2-Tetrachloroethane

Concen: 19.89 ug/l

RT: 11.62 min Scan# 3118

Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Instrument :

MSVOA_N

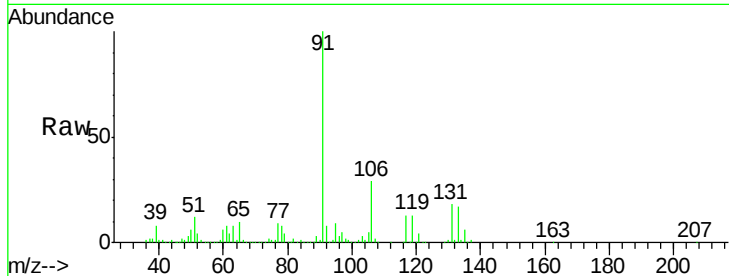
ClientSampled :

VN0915WBS01

Tot Ion	Ratio	Resp	Lower	Upper
131	100	146326		
133	95.2	47.0	141.2	
119	69.1	35.1	105.5	

Manual Integrations
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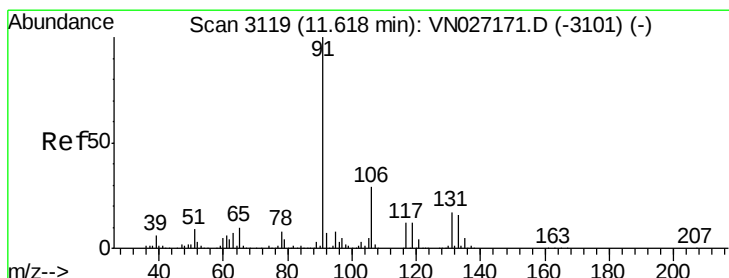
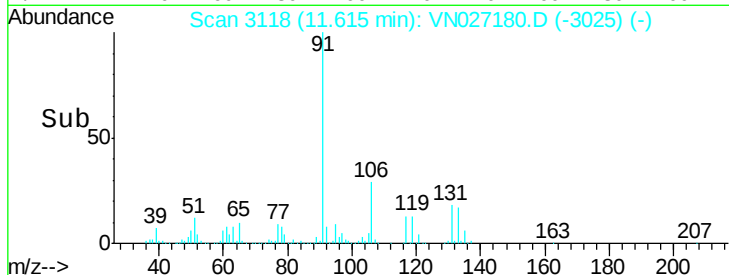
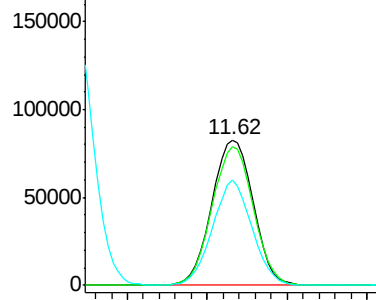
MMDadoda
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Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#68

Ethyl Benzene

Concen: 19.36 ug/l

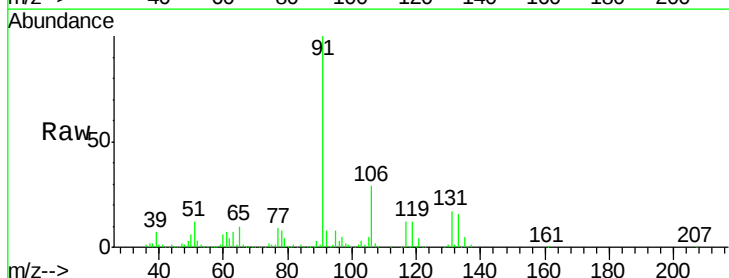
RT: 11.62 min Scan# 3119

Delta R.T. 0.00 min

Lab File: VN027180.D

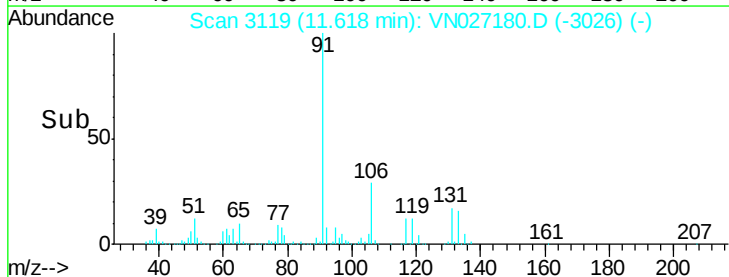
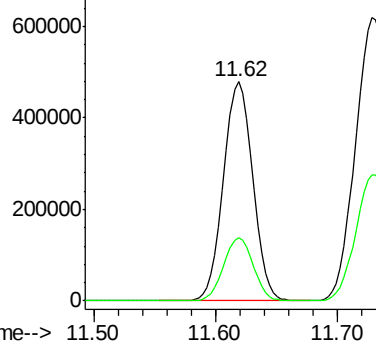
Acq: 15 Sep 2015 23:20

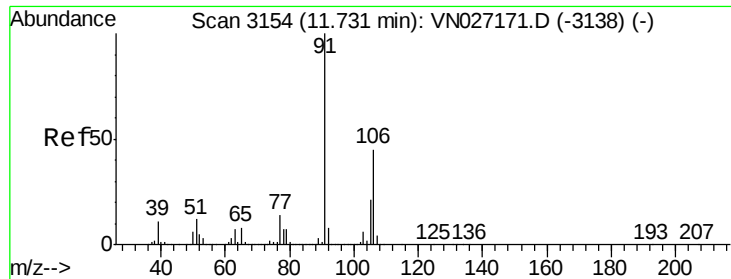
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	791867		
106	28.7	23.1	34.7	



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





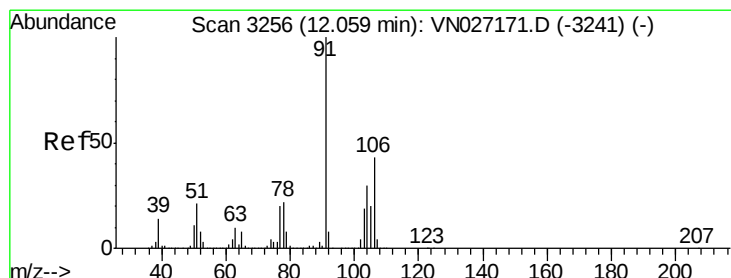
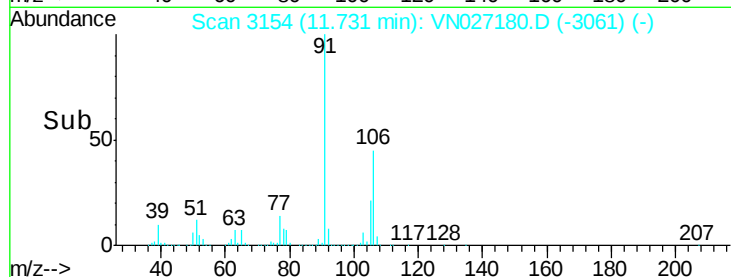
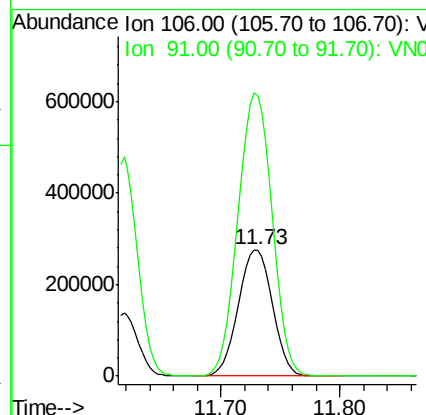
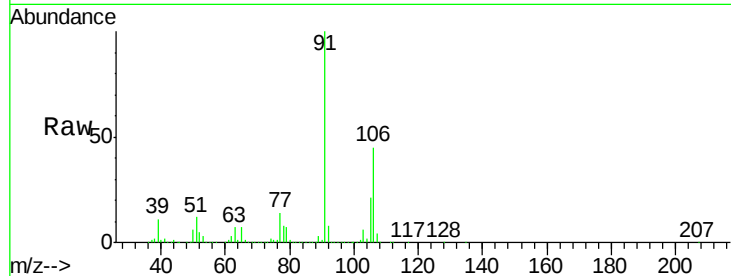
#69
m/p-Xvlenes
Concen: 39.09 ug/l
RT: 11.73 min Scan# 3154
Delta R.T. 0.00 min
Lab File: VN027180.D
Acq: 15 Sep 2015 23:20

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		551511		
91	222.4	167.1	250.7		

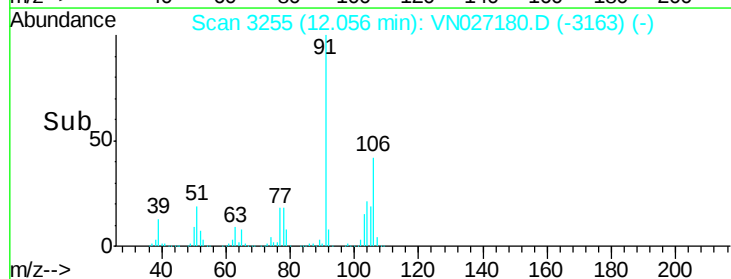
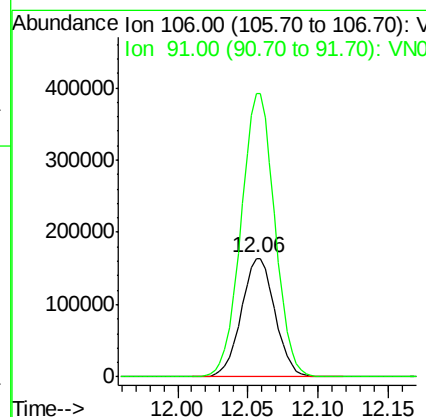
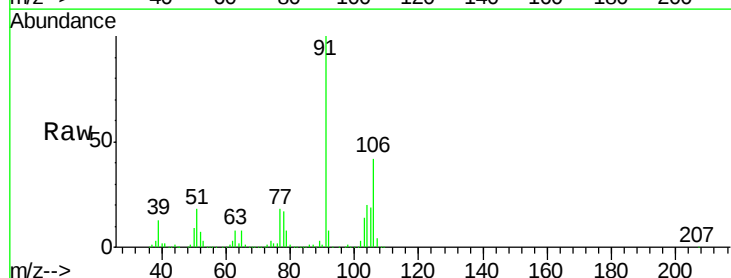
Manual Integrations
APPROVED

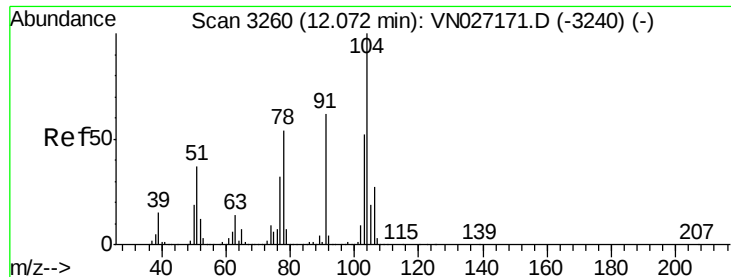
MMDadoda
9/16/2015 11:47:38 AM



#70
o-Xylene
Concen: 19.40 ug/l
RT: 12.06 min Scan# 3255
Delta R.T. -0.00 min
Lab File: VN027180.D
Acq: 15 Sep 2015 23:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		274359		
91	238.3	110.7	331.9		





#71

Stvrene

Concen: 19.71 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Instrument :

MSVOA_N

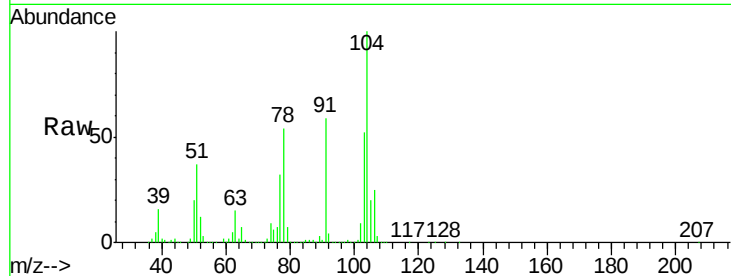
ClientSampleId :

VN0915WBS01

Tot Ion:	104	Resp:	450105
Ion Ratio		Lower	Upper
104	100		
78	59.0	41.6	62.4
103	55.6	44.2	66.2

Manual Integrations
APPROVED

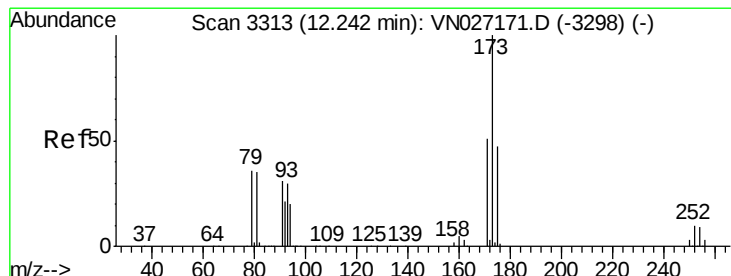
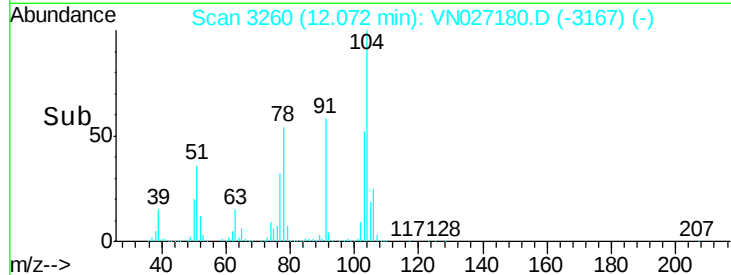
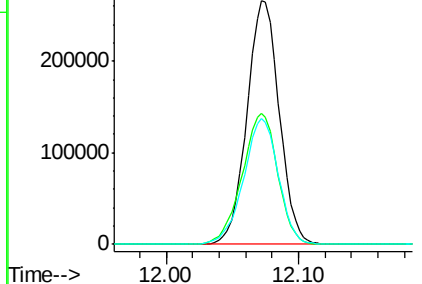
MMDadoda
9/16/2015 11:47:38 AM



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: 19.57 ug/l

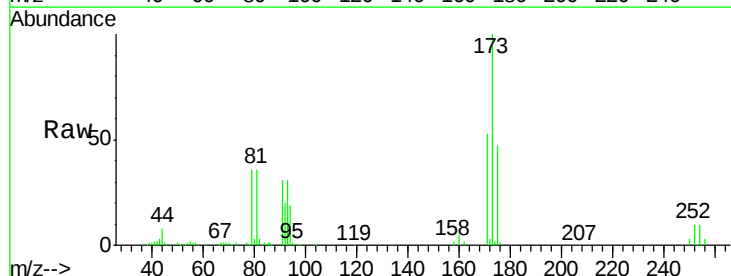
RT: 12.24 min Scan# 3313

Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

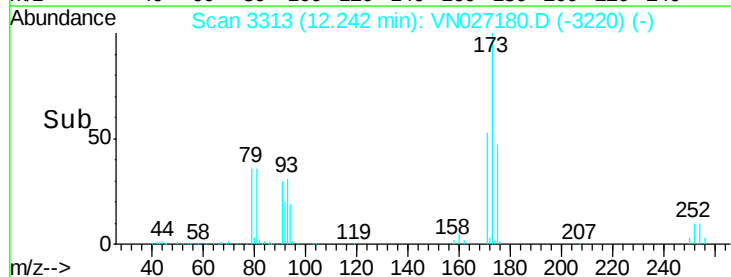
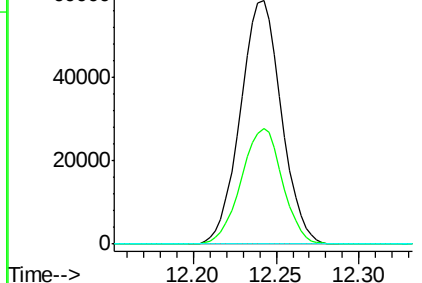
Tgt Ion:	173	Resp:	100133
Ion Ratio		Lower	Upper
173	100		
175	47.8	24.4	73.4
254	0.0	0.1	0.1#

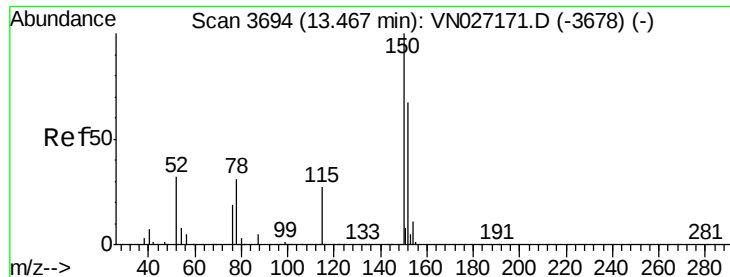


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Instrument :

MSVOA_N

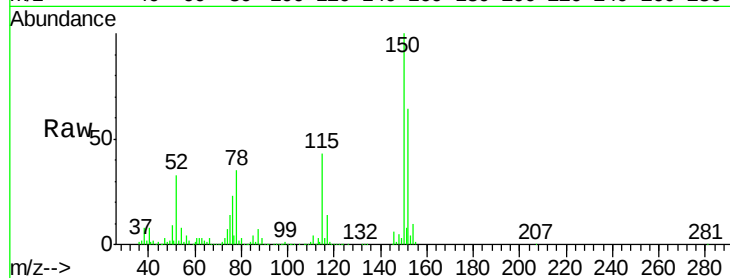
ClientSampleId :

VN0915WBS01

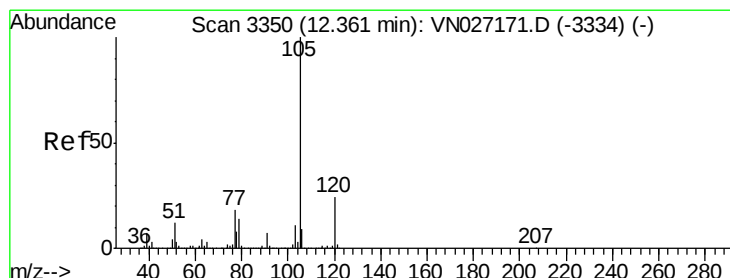
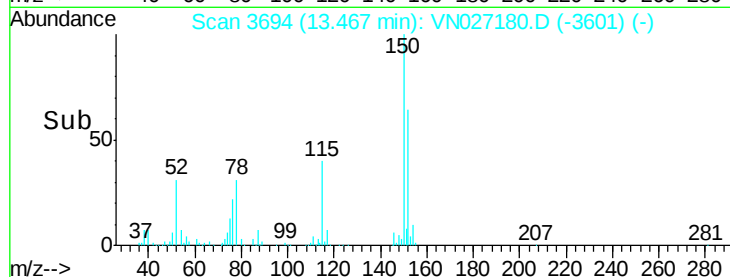
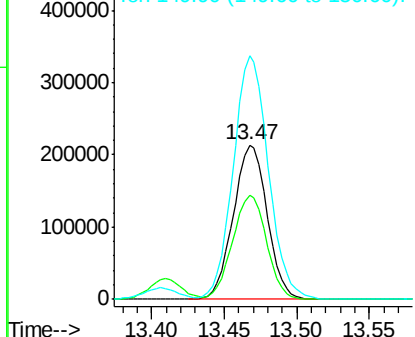
Tot Ion:	152	Resp:	346594
Ion Ratio	Lower	Upper	
152	100		
115	67.9	30.8	92.3
150	163.3	0.0	345.0

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



#74

Isopropylbenzene

Concen: 19.36 ug/l

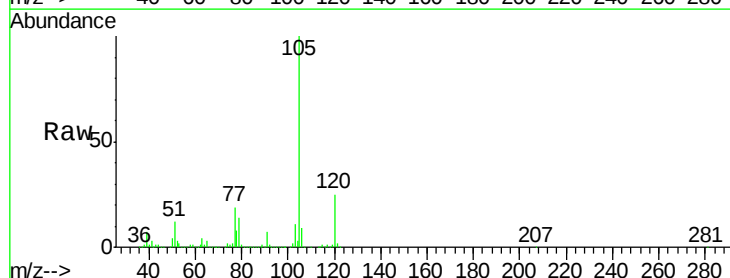
RT: 12.36 min Scan# 3350

Delta R.T. 0.00 min

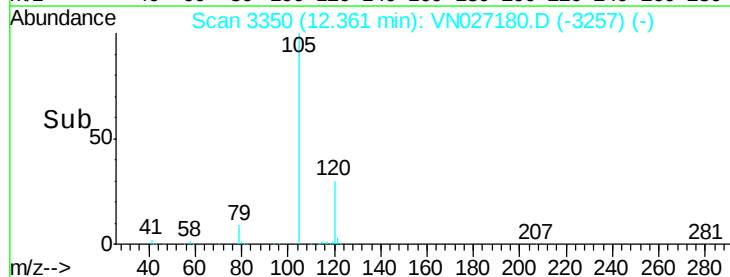
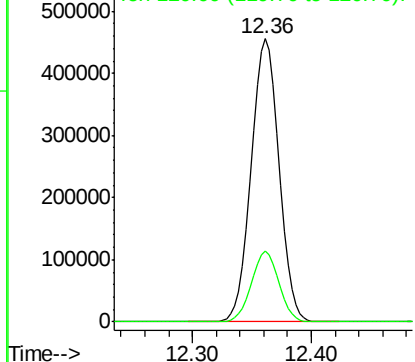
Lab File: VN027180.D

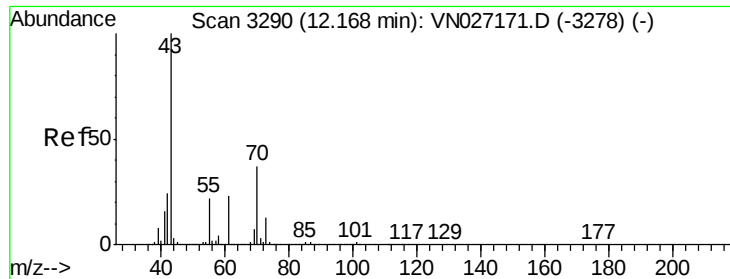
Acq: 15 Sep 2015 23:20

Tgt Ion:	105	Resp:	739255
Ion Ratio	Lower	Upper	
105	100		
120	24.6	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: 19.52 ug/l

RT: 12.17 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Instrument :

MSVOA_N

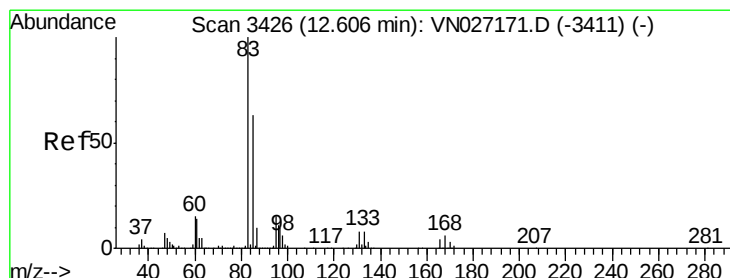
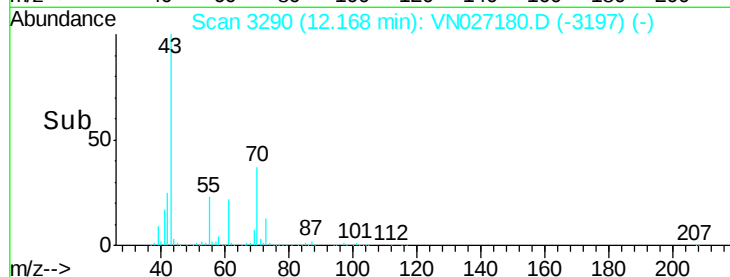
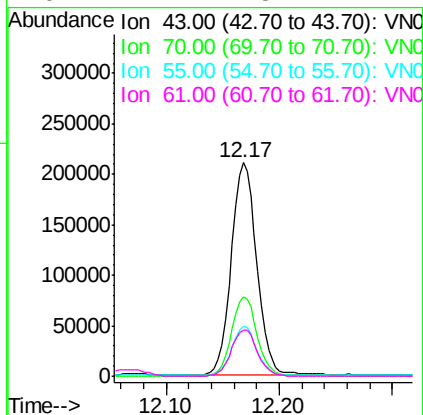
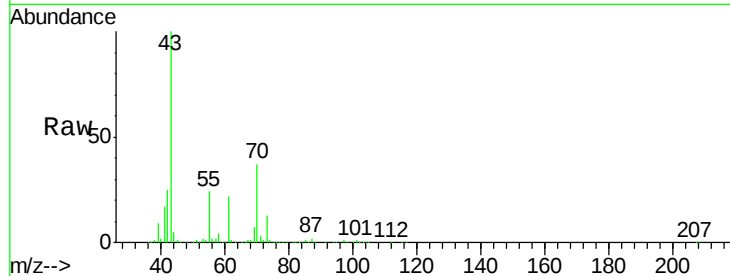
ClientSampleId :

VN0915WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
70	37.0	29.8	44.8		
55	22.7	19.4	29.0		
61	22.2	18.2	27.2		

Manual Integrations
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#76

1,1,2,2-Tetrachloroethane

Concen: 20.29 ug/l

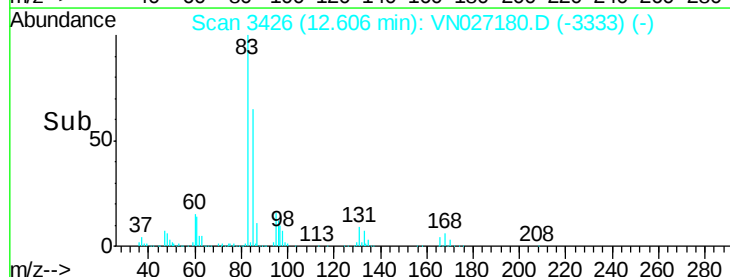
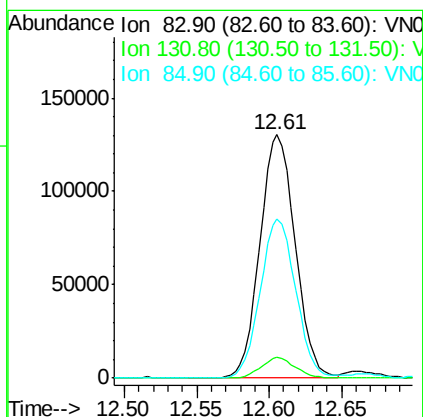
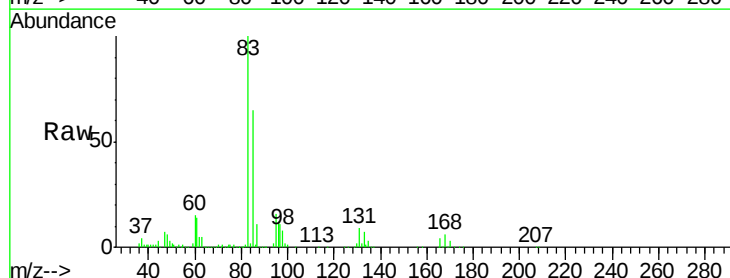
RT: 12.61 min Scan# 3426

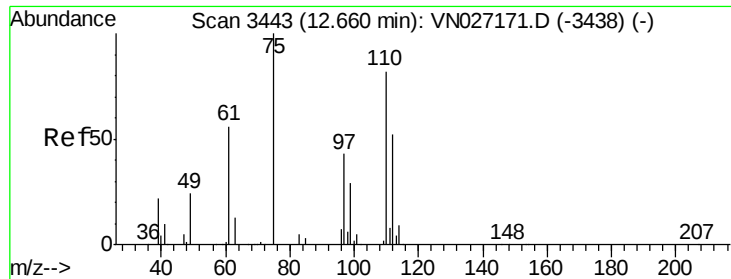
Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100				
131	8.2	4.1	12.3		
85	66.2	31.9	95.7		





#77

1,2,3-Trichloropropane

Concen: 17.91 ug/l m

RT: 12.66 min Scan# 3443

Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tot Ion: 75 Resp: 187619

Ion Ratio Lower Upper

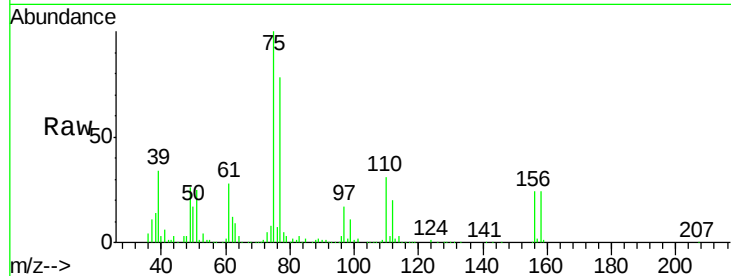
75 100

77 211.7 103.1 309.3

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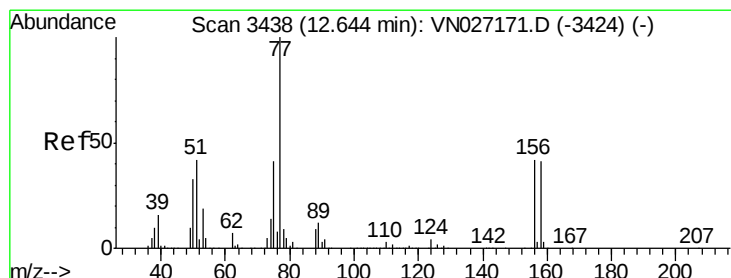
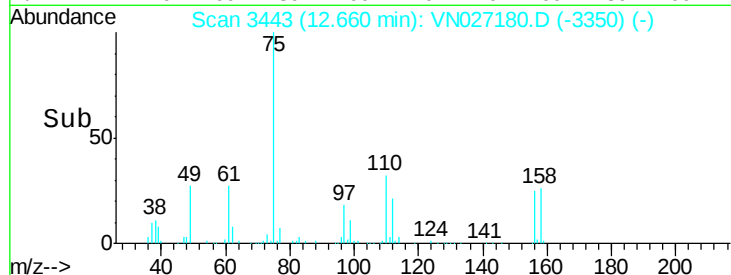
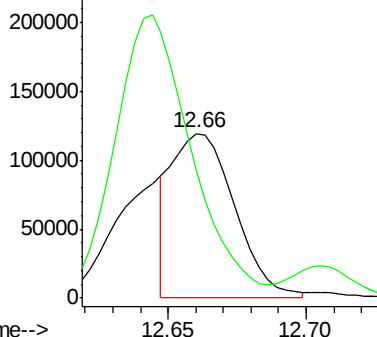
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

Bromobenzene

Concen: 19.10 ug/l

RT: 12.64 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

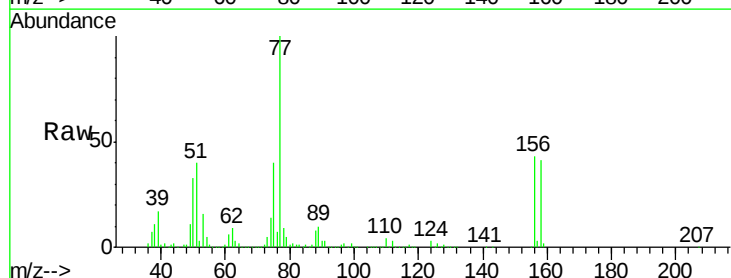
Tgt Ion: 156 Resp: 143043

Ion Ratio Lower Upper

156 100

77 277.7 127.3 381.9

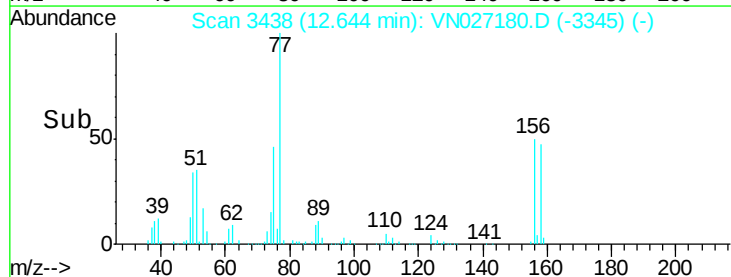
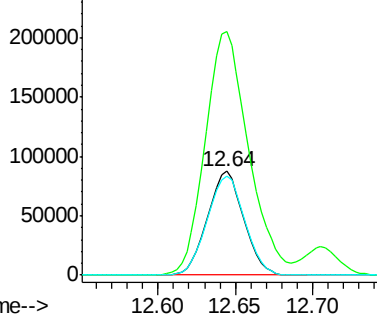
158 98.6 48.0 144.2

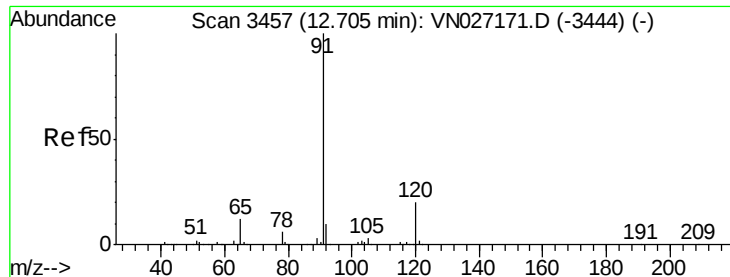


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





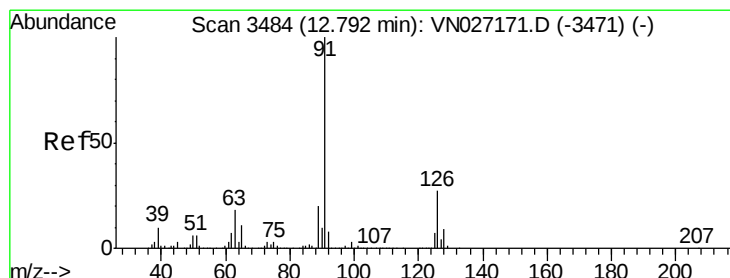
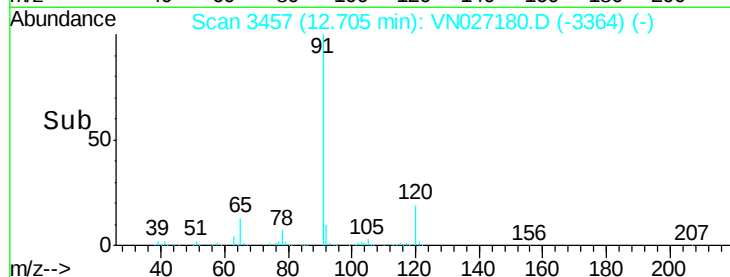
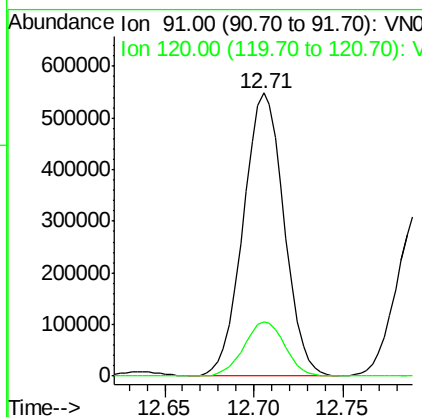
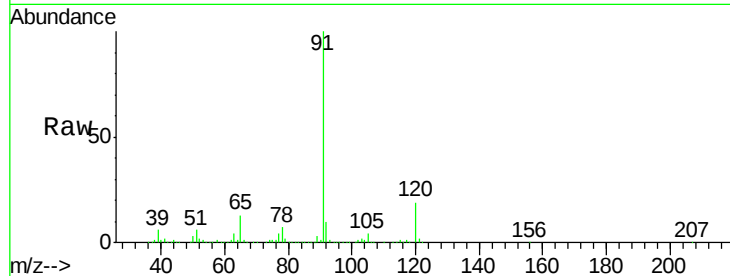
#79
n-propylbenzene
Concen: 19.34 ug/l
RT: 12.71 min Scan# 3457
Delta R.T. 0.00 min
Lab File: VN027180.D
Acq: 15 Sep 2015 23:20

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
120	19.4	10.3	30.8

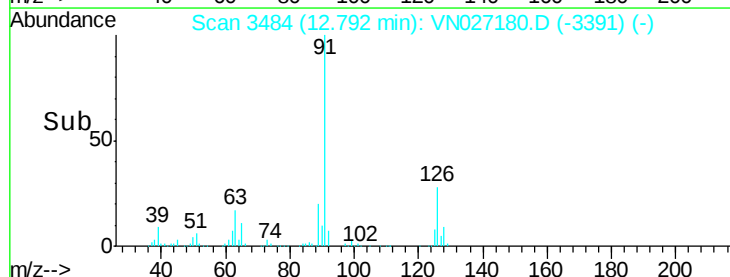
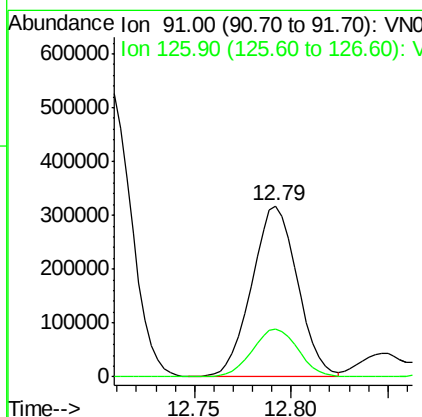
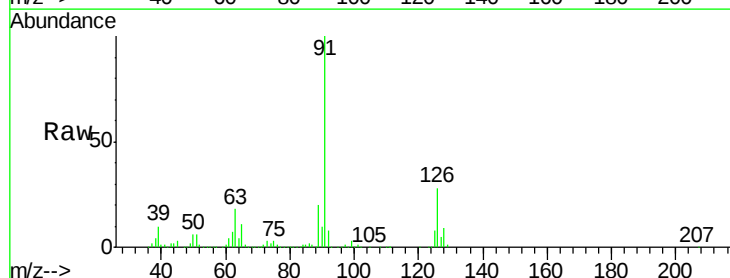
Manual Integrations
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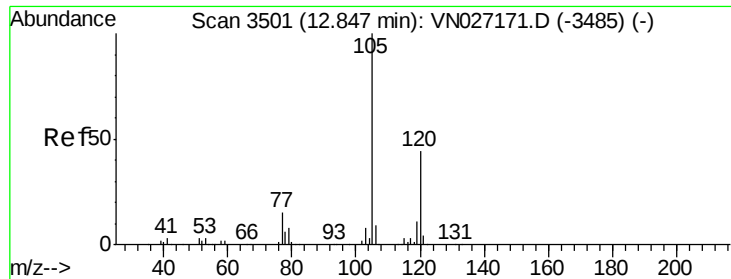
MMDadoda
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#80
2-Chlorotoluene
Concen: 19.29 ug/l
RT: 12.79 min Scan# 3484
Delta R.T. 0.00 min
Lab File: VN027180.D
Acq: 15 Sep 2015 23:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.3	15.2	45.5





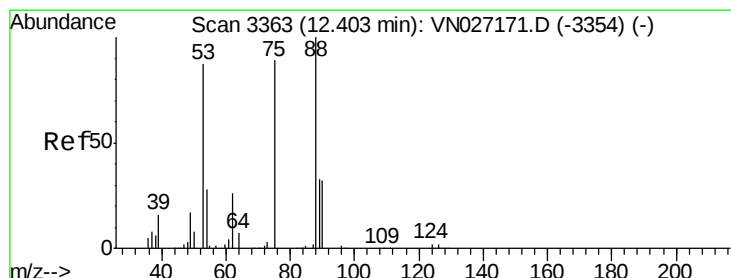
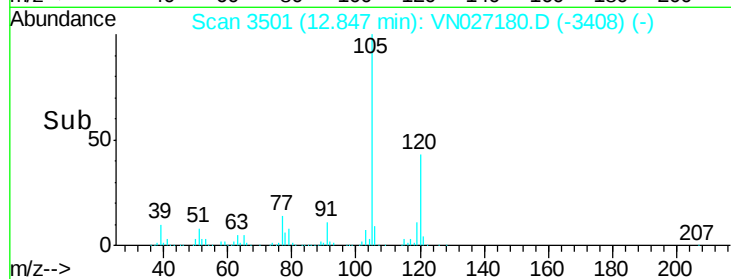
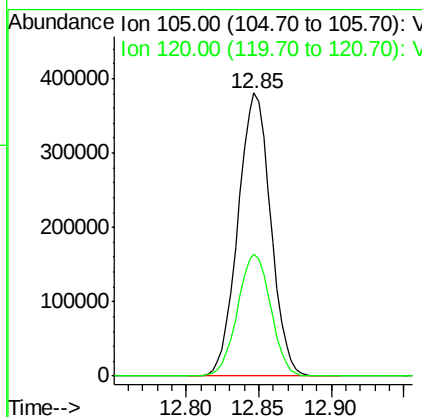
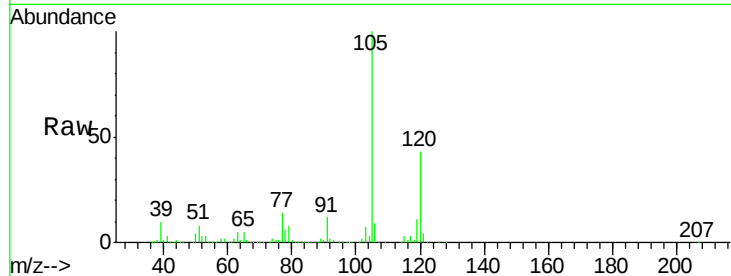
#81
 1,3,5-Trimethylbenzene
 Concen: 19.38 ug/l
 RT: 12.85 min Scan# 3501
 Delta R.T. 0.00 min
 Lab File: VN027180.D
 Acq: 15 Sep 2015 23:20

Instrument :
 MSVOA_N
 ClientSampled :
 VN0915WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.8	23.4	70.0

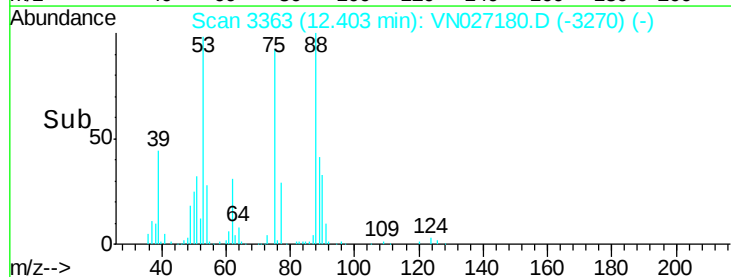
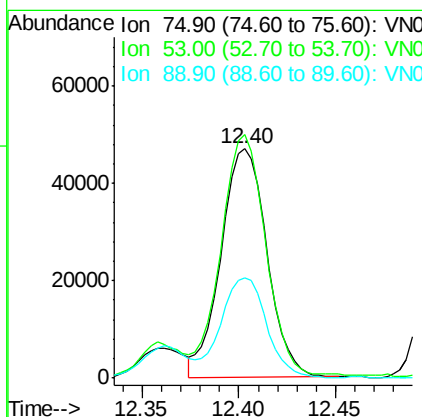
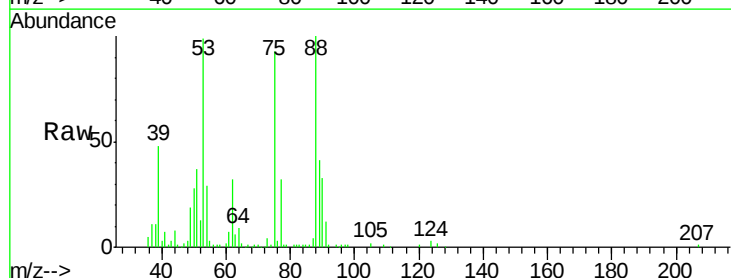
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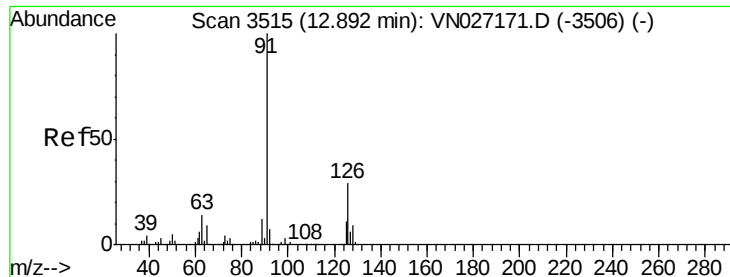
MMDadoda
 9/16/2015 11:47:38 AM



#82
 trans-1,4-Dichloro-2-butene
 Concen: 18.20 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN027180.D
 Acq: 15 Sep 2015 23:20

Tgt Ion	Ratio	Lower	Upper
75	100		
53	100.8	92.9	139.3
89	43.8	34.2	51.4





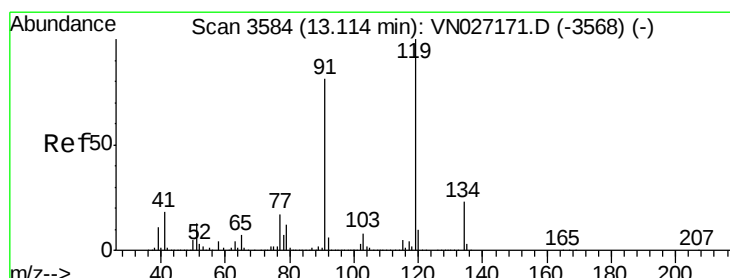
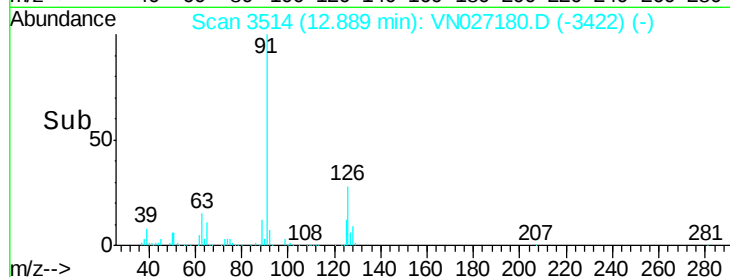
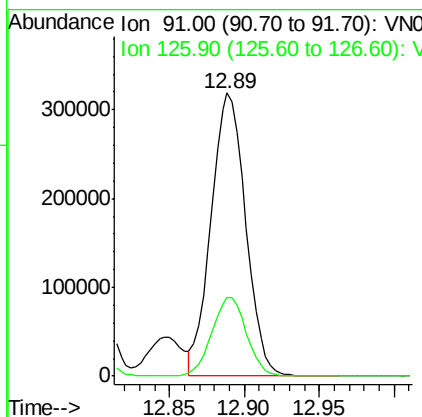
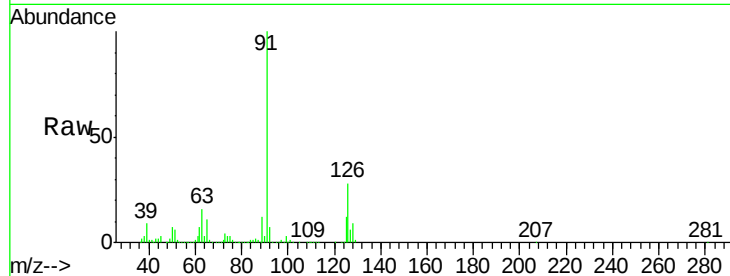
#83
4-Chlorotoluene
Concen: 19.22 ug/l
RT: 12.89 min Scan# 3514
Delta R.T. -0.00 min
Lab File: VN027180.D
Acq: 15 Sep 2015 23:20

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.9	44.5

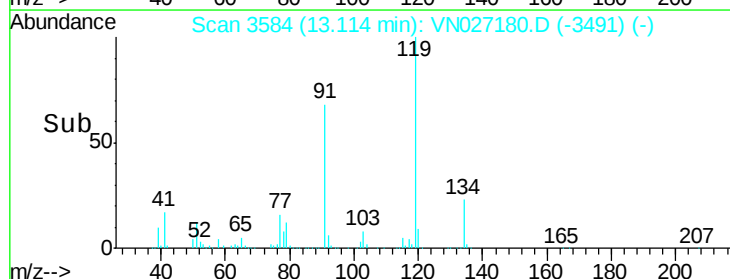
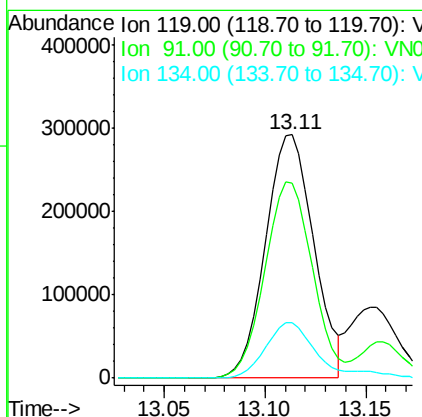
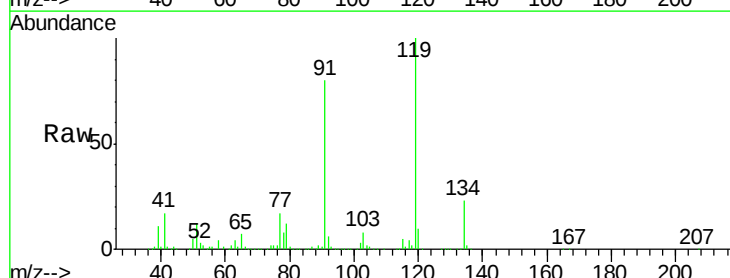
Manual Integrations
APPROVED

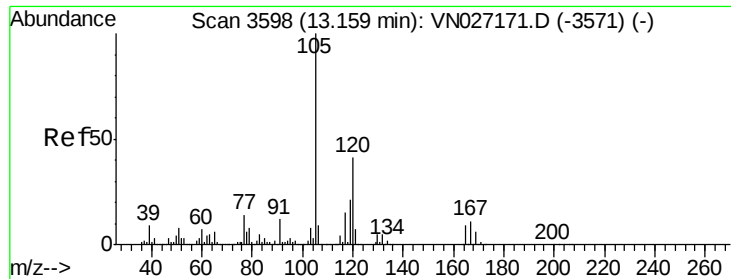
MMDadoda
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#84
tert-Butylbenzene
Concen: 19.15 ug/l
RT: 13.11 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN027180.D
Acq: 15 Sep 2015 23:20

Tgt Ion	Ratio	Lower	Upper
119	100		
91	79.4	34.6	103.8
134	22.9	11.4	34.2





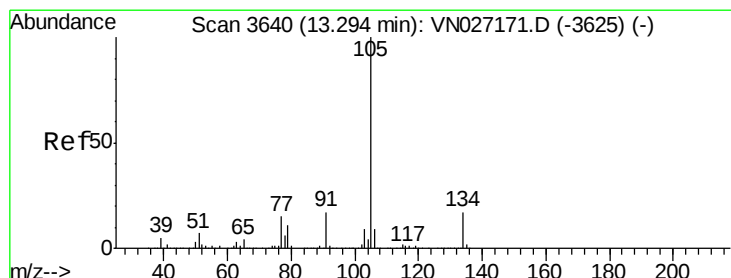
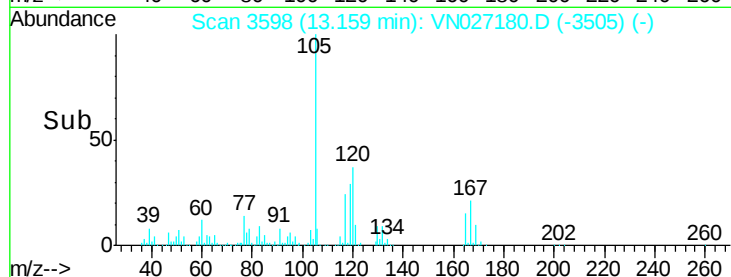
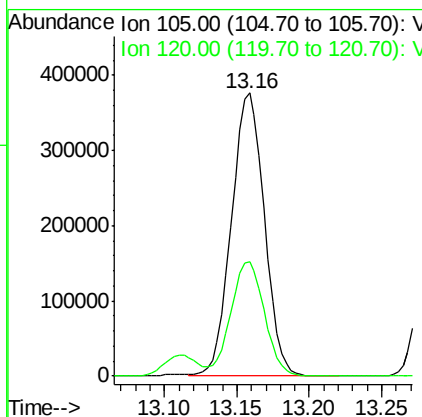
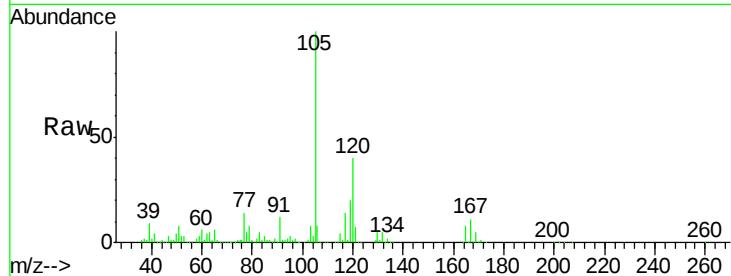
#85
 1,2,4-Trimethylbenzene
 Concen: 19.23 ug/l
 RT: 13.16 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN027180.D
 Acq: 15 Sep 2015 23:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	41.1	21.9	65.5

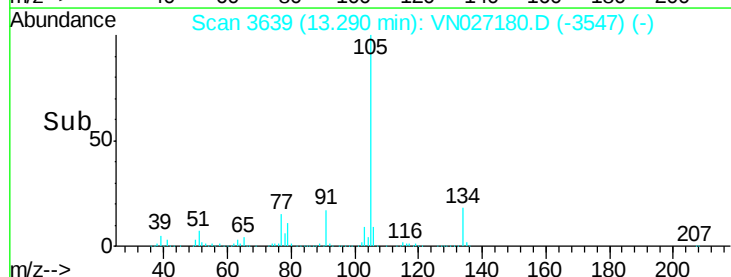
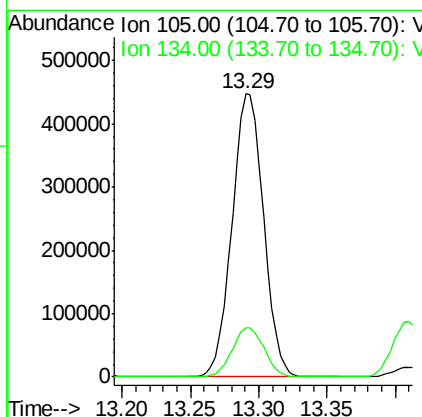
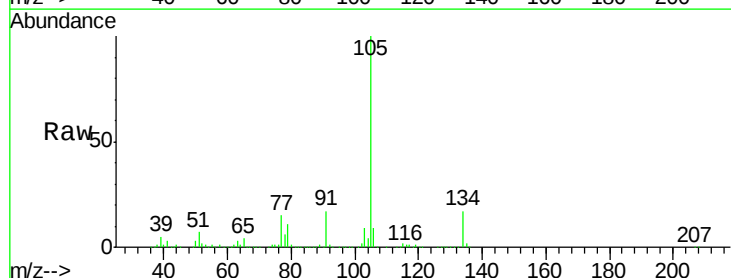
Manual Integrations
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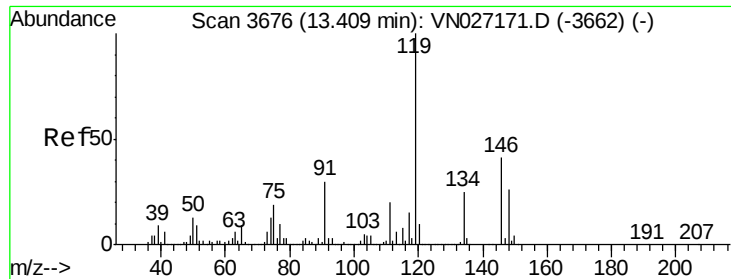
MMDadoda
 9/16/2015 11:47:38 AM



#86
 sec-Butylbenzene
 Concen: 19.30 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN027180.D
 Acq: 15 Sep 2015 23:20

Tgt Ion	Ratio	Lower	Upper
105	100		
134	17.7	8.8	26.4





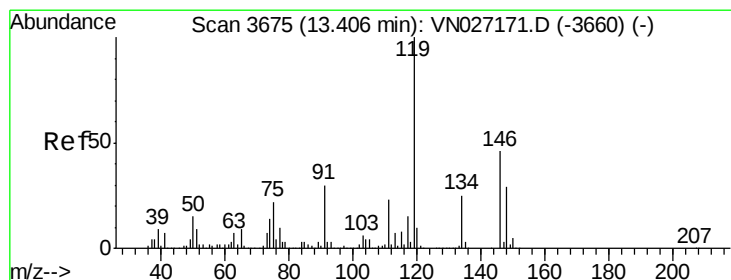
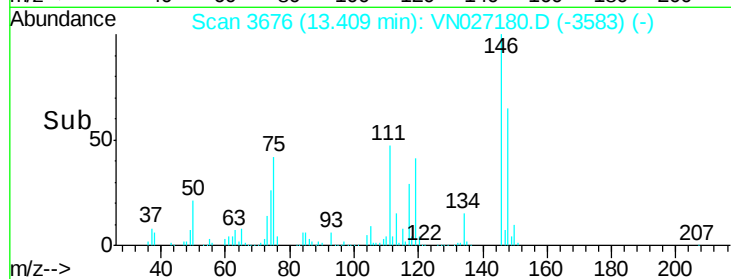
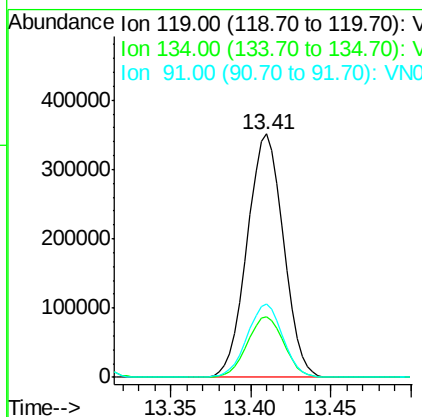
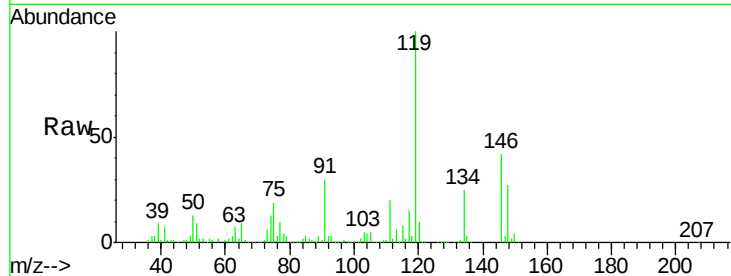
#87
 p-Isopropyltoluene
 Concen: 19.02 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027180.D
 Acq: 15 Sep 2015 23:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.4	37.0
91	29.2	12.0	36.1

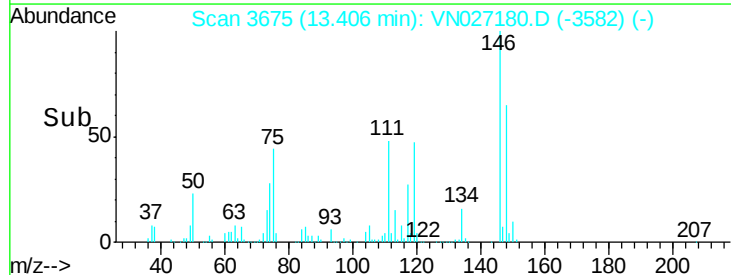
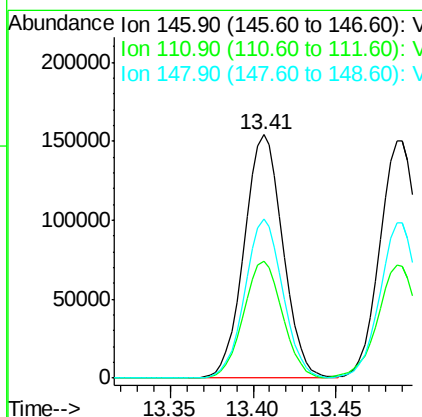
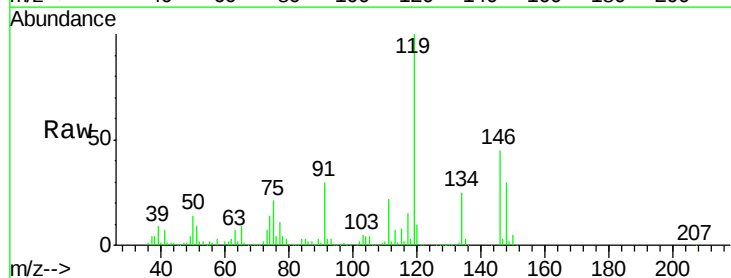
Manual Integrations
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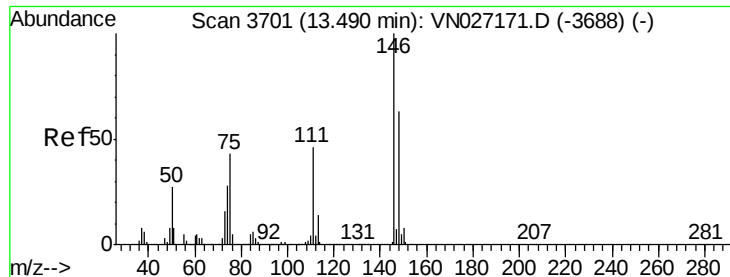
MMDadoda
 9/16/2015 11:47:38 AM



#88
 1,3-Dichlorobenzene
 Concen: 19.59 ug/l
 RT: 13.41 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN027180.D
 Acq: 15 Sep 2015 23:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.2	21.0	63.0
148	63.8	31.9	95.9





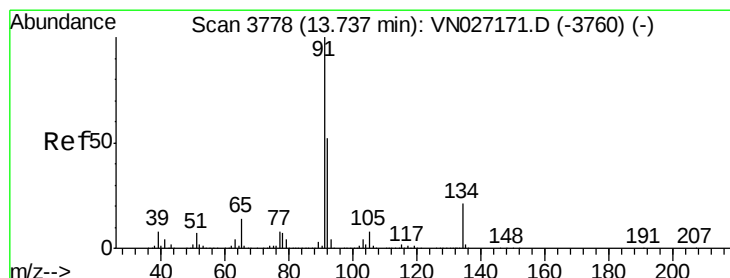
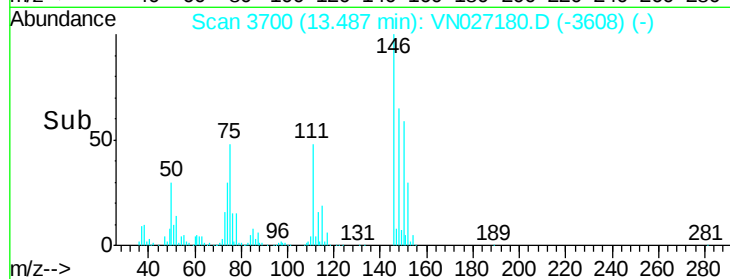
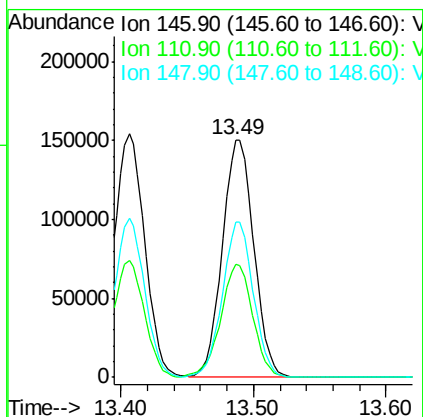
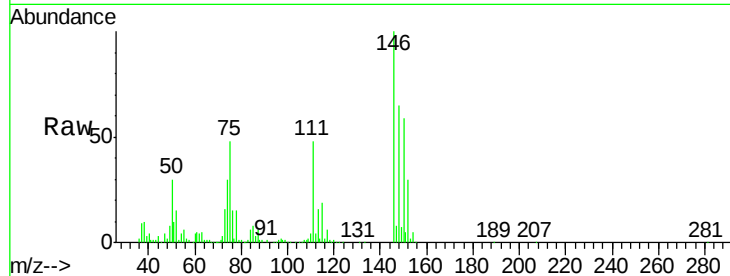
#89
 1,4-Dichlorobenzene
 Concen: 19.12 ug/l
 RT: 13.49 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VN027180.D
 Acq: 15 Sep 2015 23:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.0	19.9	59.6
148	64.2	31.7	95.1

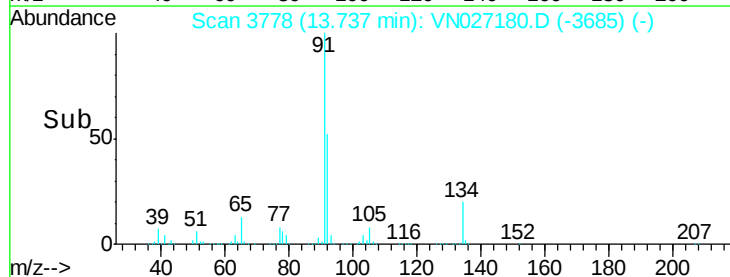
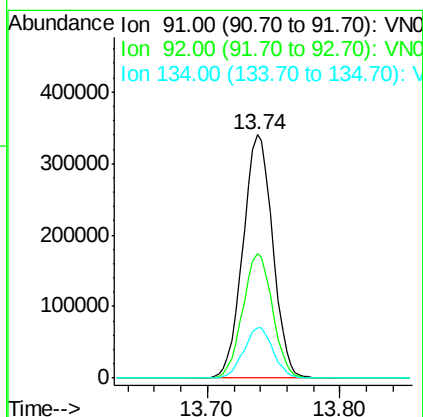
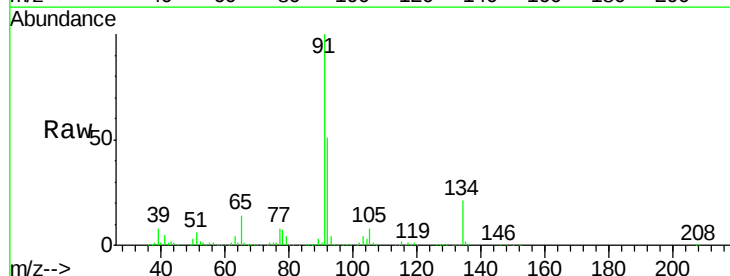
Manual Integrations
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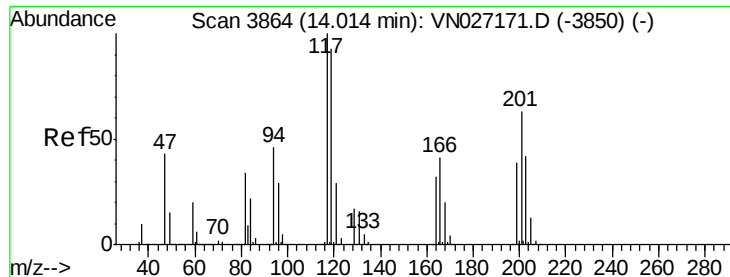
MMDadoda
 9/16/2015 11:47:38 AM



#90
 n-Butylbenzene
 Concen: 19.08 ug/l
 RT: 13.74 min Scan# 3778
 Delta R.T. 0.00 min
 Lab File: VN027180.D
 Acq: 15 Sep 2015 23:20

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.1	78.2
134	20.4	11.1	33.1





#91

Hexachloroethane

Concen: 18.68 ug/l

RT: 14.01 min Scan# 3864

Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tot Ion:117 Resp: 116762

Ion Ratio Lower Upper

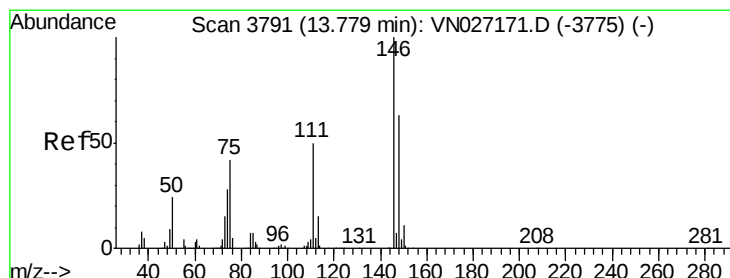
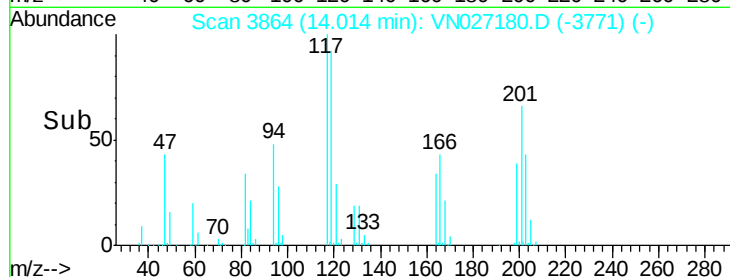
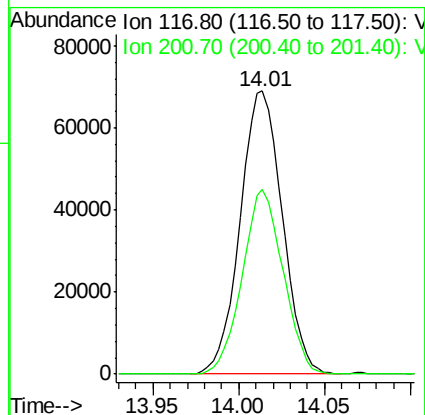
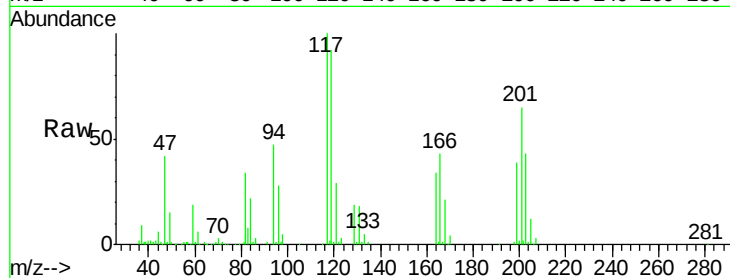
117 100

201 63.4 34.9 104.7

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#92

1,2-Dichlorobenzene

Concen: 19.97 ug/l

RT: 13.78 min Scan# 3791

Delta R.T. 0.00 min

Lab File: VN027180.D

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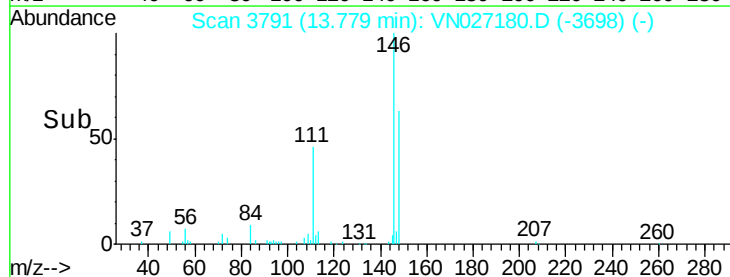
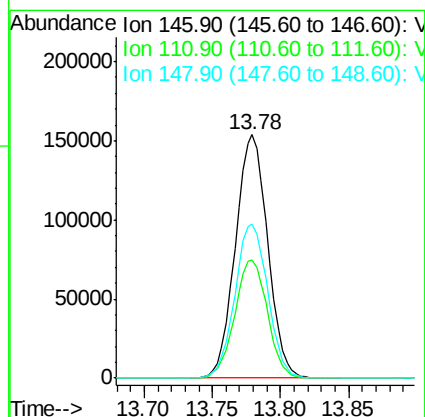
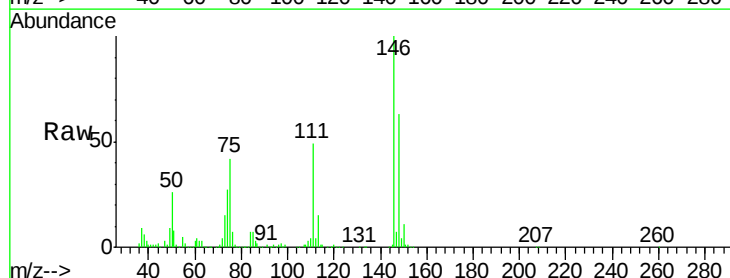
Tgt Ion:146 Resp: 252968

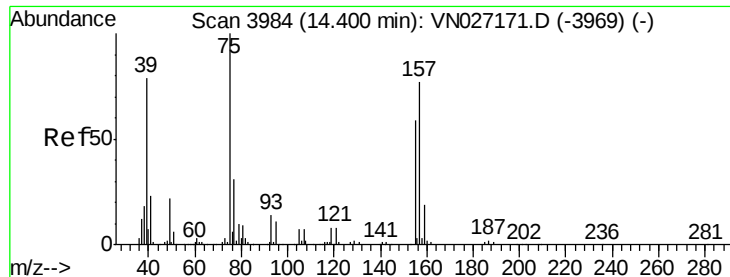
Ion Ratio Lower Upper

146 100

111 49.2 22.1 66.3

148 64.4 32.0 96.0





#93

1,2-Dibromo-3-Chloropropane

Concen: 20.56 ug/l

RT: 14.40 min Scan# 3983

Delta R.T. -0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Instrument :

MSVOA_N

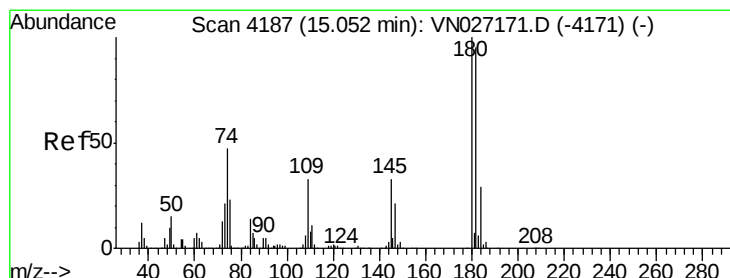
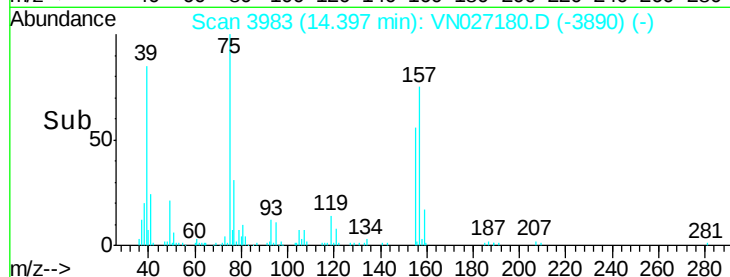
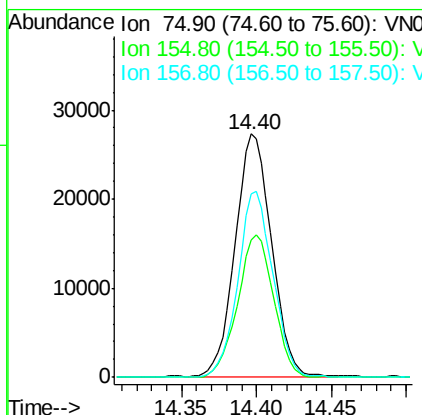
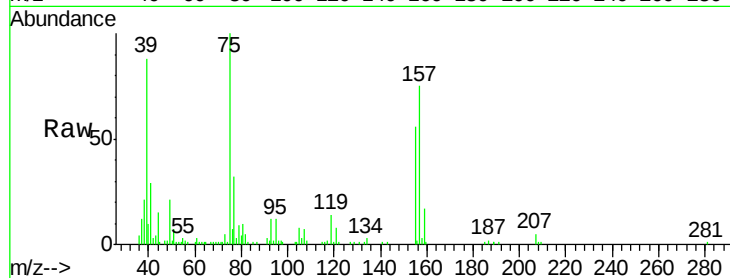
ClientSampleId :

VN0915WBS01

Tot Ion:	75	Resp:	46614
Ion Ratio	Lower	Upper	
75	100		
155	57.3	35.6	106.9
157	72.9	44.6	133.8

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#94

1,2,4-Trichlorobenzene

Concen: 19.34 ug/l

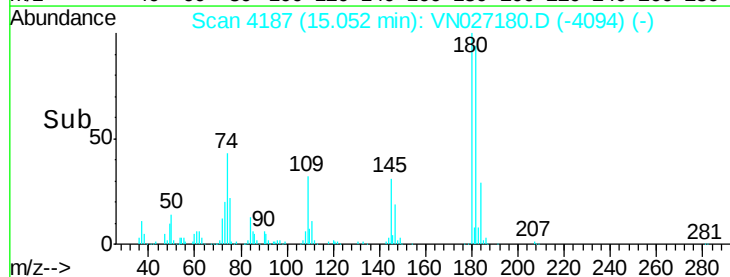
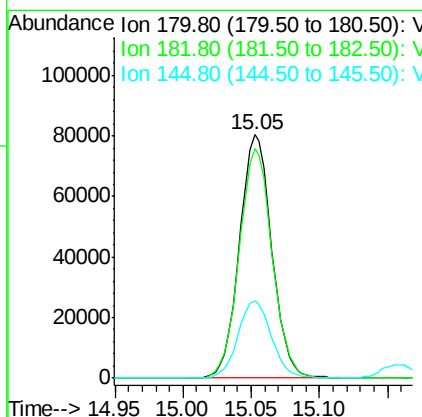
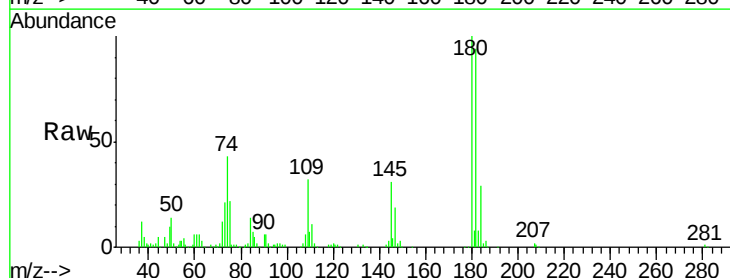
RT: 15.05 min Scan# 4187

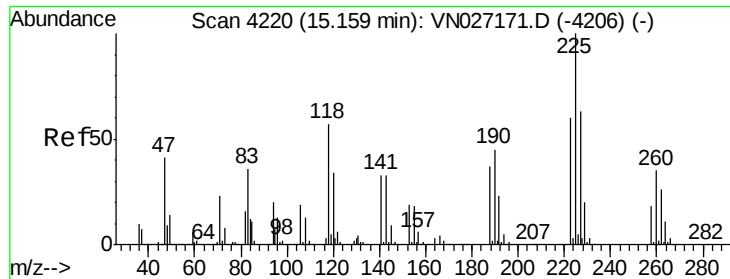
Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Tgt Ion:	180	Resp:	132310
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.5	142.5
145	32.9	15.1	45.3





#95

Hexachlorobutadiene

Concen: 20.03 ug/l

RT: 15.16 min Scan# 4220

Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Instrument :

MSVOA_N

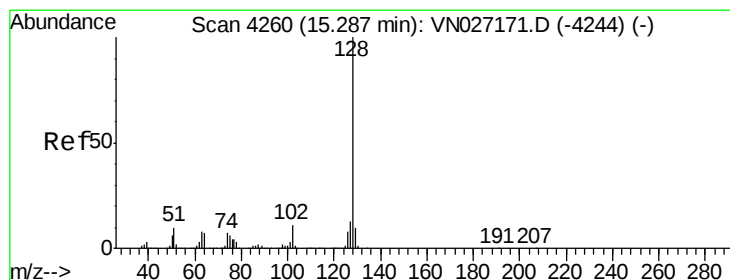
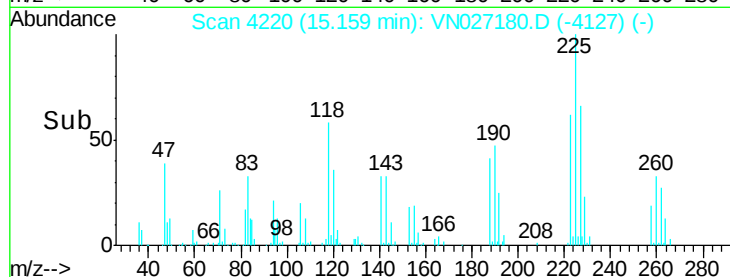
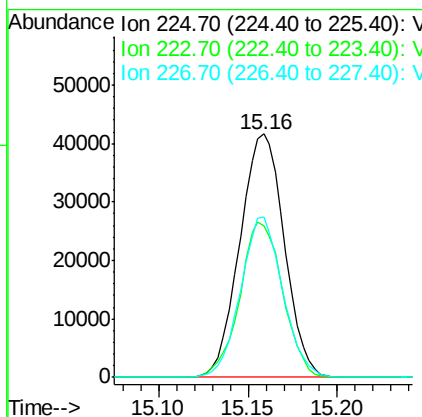
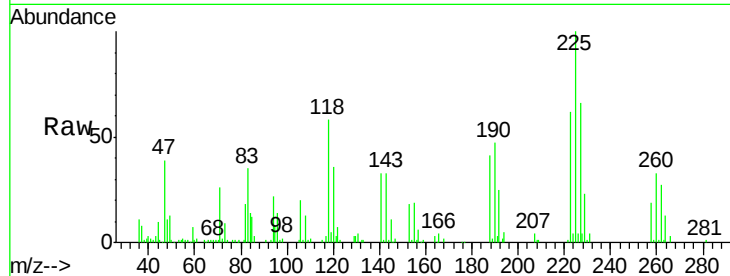
ClientSampleId :

VN0915WBS01

Tot Ion:	225	Resp:	72188
Ion Ratio	Lower	Upper	
225	100		
223	61.6	30.8	92.3
227	62.3	31.7	95.1

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#96

Naphthalene

Concen: 19.10 ug/l

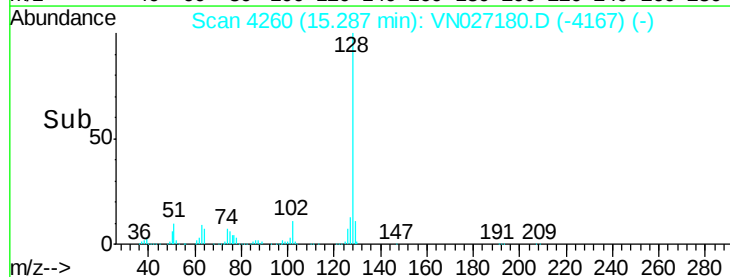
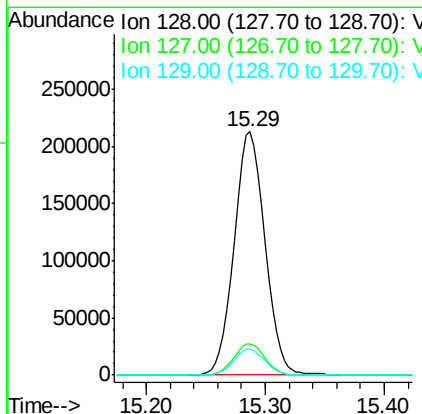
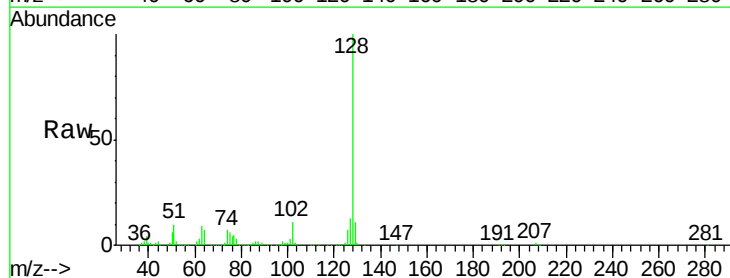
RT: 15.29 min Scan# 4260

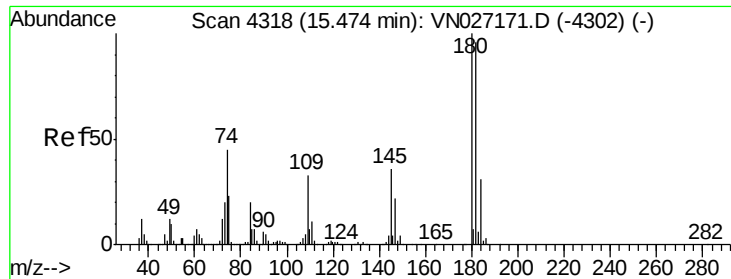
Delta R.T. 0.00 min

Lab File: VN027180.D

Acq: 15 Sep 2015 23:20

Tgt Ion:	128	Resp:	383063
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.8	8.6	12.8





#97
 1,2,3-Trichlorobenzene
 Concen: 19.53 ug/l
 RT: 15.47 min Scan# 4318
 Delta R.T. 0.00 min
 Lab File: VN027180.D
 Acq: 15 Sep 2015 23:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tot Ion:	180	Resp:	132839
Ion Ratio	Lower	Upper	
180	100		
182	94.0	48.8	146.4
145	35.5	16.6	49.8

Manual Integrations
 APPROVED

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