

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091715\
 Data File : VN027250.D
 Acq On : 17 Sep 2015 12:54
 Operator : MD\FY
 Sample : G3707-06 2.0PPB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER2015-02

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 12:22:44 PM

Quant Time: Sep 18 02:16:57 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	517609	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	983634	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	821758	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	278969	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	514715	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
36) Dibromofluoromethane	7.68	113	324476	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
51) Toluene-d8	10.19	98	1255009	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	
63) 4-Bromofluorobenzene	12.52	95	408513	43.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	12020	1.94	ug/l	96
3) Chlorodifluoromethane	1.82	51	14540	2.03	ug/l #	91
4) Chloromethane	2.01	50	15961	3.36	ug/l	98
5) Vinyl Chloride	2.14	62	15804	2.16	ug/l	93
6) Bromomethane	2.55	94	6979	3.48	ug/l	94
7) Chloroethane	2.69	64	10477	2.11	ug/l	95
8) Trichlorofluoromethane	3.02	101	24047	2.18	ug/l	96
9) Diethyl Ether	3.43	74	10404	2.05	ug/l	99
10) 1,1,2-Trichlorotrifluoroet	3.79	101	14313	2.06	ug/l #	69
11) Methyl Iodide	3.99	142	6456	0.96	ug/l #	74
12) Tert butyl alcohol	4.80	59	7867m	7.59	ug/l	
13) 1,1-Dichloroethene	3.77	96	14809	2.23	ug/l	90
15) Allyl chloride	4.37	41	26147	1.95	ug/l #	82
16) Acrylonitrile	5.05	53	29964m	8.84	ug/l	
17) Acetone	3.85	43	29648	10.37	ug/l	99
18) Carbon Disulfide	4.11	76	42552	1.97	ug/l	96
19) Methyl Acetate	4.37	43	38845	1.88	ug/l	98
20) Methyl tert-butyl Ether	5.12	73	56904	2.13	ug/l	94
21) Methylene Chloride	4.61	84	16836	2.11	ug/l #	81
22) trans-1,2-Dichloroethene	5.13	96	15770	2.19	ug/l	95
23) Diisopropyl ether	6.04	45	58333	2.07	ug/l #	70
24) Vinyl Acetate	5.99	43	75873	8.14	ug/l	97
25) 1,1-Dichloroethane	5.94	63	34665	2.12	ug/l	96
26) 2-Butanone	6.93	43	38667	8.98	ug/l #	88
27) 2,2-Dichloropropane	6.92	77	28375	2.00	ug/l	99
28) cis-1,2-Dichloroethene	6.92	96	18511	2.25	ug/l	92
30) Tetrahydrofuran	7.33	42	28276	9.53	ug/l #	87
31) Chloroform	7.46	83	32727	2.21	ug/l	99
32) Cyclohexane	7.76	56	47932	2.41	ug/l #	63
33) 1,1,1-Trichloroethane	7.68	97	28298	2.15	ug/l	96
37) 1,1-Dichloropropene	7.89	75	23201	2.01	ug/l	99
38) Ethyl Acetate	7.03	43	18264	0.82	ug/l #	83
39) Carbon Tetrachloride	7.88	117	22859	2.11	ug/l	96
40) Methylcyclohexane	9.19	83	28269	2.02	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Benzene	8.14	78	70725	2.11	ug/l	96
42) Methacrylonitrile	7.26	41	11049	1.99	ug/l #	91
43) 1,2-Dichloroethane	8.22	62	27873	2.06	ug/l	83
44) Isopropyl Acetate	8.25	43	34627	1.88	ug/l #	92
45) Trichloroethene	8.94	130	13572	2.01	ug/l	96
46) 1,2-Dichloropropane	9.21	63	20395	2.11	ug/l	98
47) Dibromomethane	9.31	93	11804	2.08	ug/l	91
48) Bromodichloromethane	9.49	83	24462	2.05	ug/l	99
49) Methyl methacrylate	9.29	41	14430	1.57	ug/l #	75
50) 1,4-Dioxane	9.30	88	3917	36.43	ug/l #	90
52) 4-Methyl-2-Pentanone	10.07	43	96963	9.97	ug/l	99
53) Toluene	10.26	92	43110	2.19	ug/l	94
54) t-1,3-Dichloropropene	10.47	75	23434	1.74	ug/l	96
55) cis-1,3-Dichloropropene	9.94	75	25276	1.73	ug/l #	91
56) 1,1,2-Trichloroethane	10.66	97	16328	2.21	ug/l	91
57) Ethyl methacrylate	10.52	69	23262	1.87	ug/l #	88
58) 1,3-Dichloropropane	10.81	76	28610	2.08	ug/l	99
60) 2-Hexanone	10.84	43	63871	9.64	ug/l	97
61) Dibromochloromethane	11.00	129	14459	1.91	ug/l	96
62) 1,2-Dibromoethane	11.11	107	14420	1.98	ug/l	98
65) Tetrachloroethene	10.74	164	10893	2.07	ug/l	93
66) Chlorobenzene	11.54	112	39125	2.02	ug/l	100
67) 1,1,1,2-Tetrachloroethane	11.62	131	13411	2.03	ug/l	96
68) Ethyl Benzene	11.62	91	74052	2.01	ug/l	99
69) m/p-Xylenes	11.73	106	49904	3.93	ug/l	93
70) o-Xylene	12.06	106	26289	2.07	ug/l	93
71) Styrene	12.08	104	38101	1.85	ug/l	93
72) Bromoform	12.24	173	8819	1.92	ug/l #	99
74) Isopropylbenzene	12.36	105	67268	2.19	ug/l	100
75) N-amyl acetate	12.17	43	25081	1.83	ug/l	96
76) 1,1,2,2-Tetrachloroethane	12.61	83	20668	Below	Cal	99
77) 1,2,3-Trichloropropane	12.66	75	21401m	2.54	ug/l	
78) Bromobenzene	12.64	156	12755	2.12	ug/l	84
79) n-propylbenzene	12.71	91	72159	2.00	ug/l	99
80) 2-Chlorotoluene	12.79	91	46375	2.14	ug/l	97
81) 1,3,5-Trimethylbenzene	12.85	105	51232	2.07	ug/l	94
82) trans-1,4-Dichloro-2-buten	12.40	75	6067m	1.77	ug/l	
83) 4-Chlorotoluene	12.89	91	43268	2.03	ug/l	98
84) tert-Butylbenzene	13.11	119	44430	2.18	ug/l	91
85) 1,2,4-Trimethylbenzene	13.16	105	50816	2.05	ug/l	99
86) sec-Butylbenzene	13.29	105	60992	2.04	ug/l	97
87) p-Isopropyltoluene	13.41	119	45839	1.99	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	21186	2.05	ug/l	92
89) 1,4-Dichlorobenzene	13.49	146	22437m	2.15	ug/l	
90) n-Butylbenzene	13.74	91	40503	1.82	ug/l	97
91) Hexachloroethane	14.01	117	9048	1.80	ug/l	98
92) 1,2-Dichlorobenzene	13.78	146	22388	2.20	ug/l	92
93) 1,2-Dibromo-3-Chloropropan	14.40	75	3370	0.56	ug/l	87
94) 1,2,4-Trichlorobenzene	15.06	180	8366	1.52	ug/l	91
95) Hexachlorobutadiene	15.16	225	5669	1.95	ug/l	99

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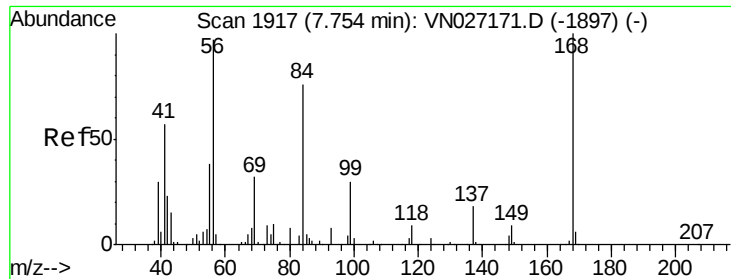
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) Naphthalene	15.29	128	23258	1.44	ug/l	97
97) 1,2,3-Trichlorobenzene	15.47	180	8776	1.60	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER2015-02

Tot Ion:168 Resp: 517609

Ion Ratio Lower Upper

168 100

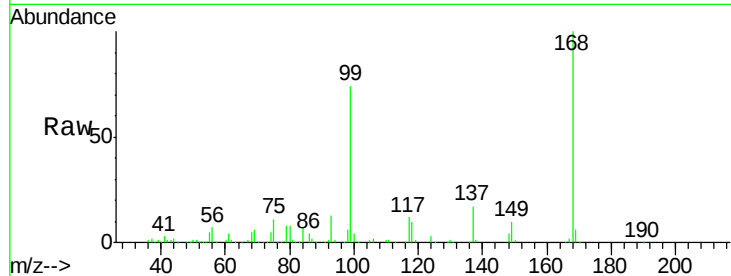
99 73.5 50.4 75.6

Manual Integrations

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9/18/2015 12:22:44 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.75

200000

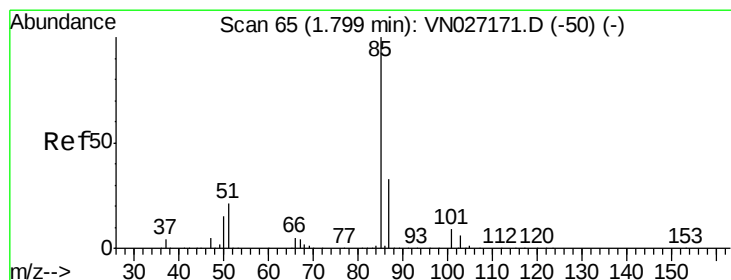
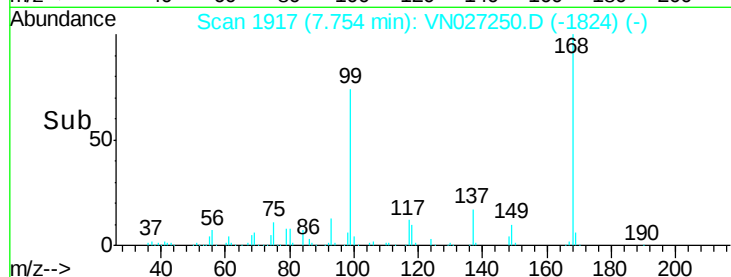
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.94 ug/l

RT: 1.80 min Scan# 64

Delta R.T. -0.00 min

Lab File: VN027250.D

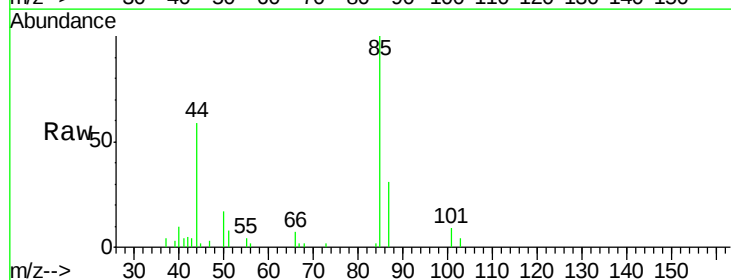
Acq: 17 Sep 2015 12:54

Tgt Ion: 85 Resp: 12020

Ion Ratio Lower Upper

85 100

87 30.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.80

10000

8000

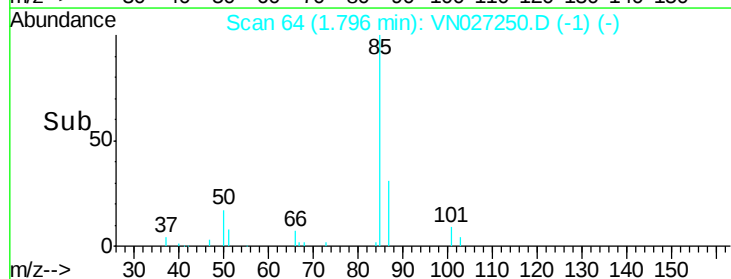
6000

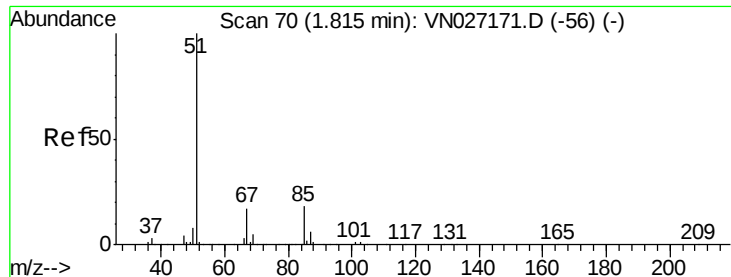
4000

2000

0

Time-->





#3

Chlorodifluoromethane

Concen: 2.03 ug/l

RT: 1.82 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER2015-02

Tot Ion: 51 Resp: 14540

Ion Ratio Lower Upper

51 100

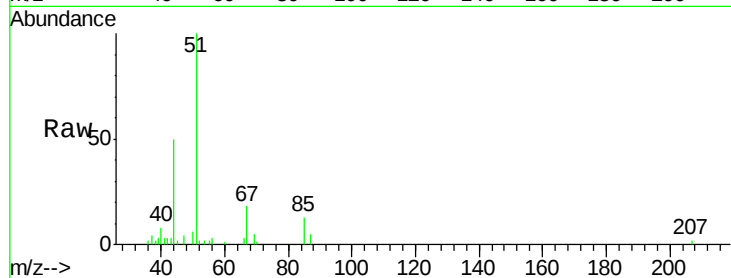
67 18.9 12.2 18.2#

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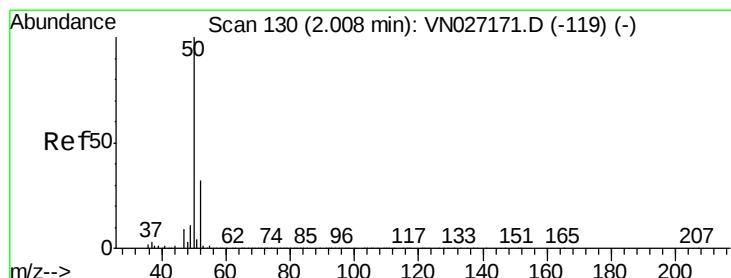
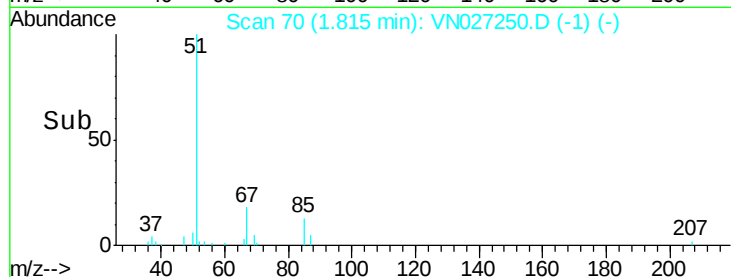
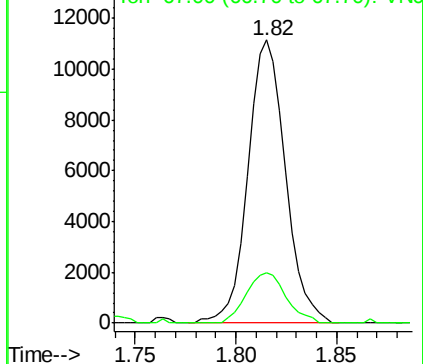
MMDadoda

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Abundance Ion 51.00 (50.70 to 51.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#4

Chloromethane

Concen: 3.36 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027250.D

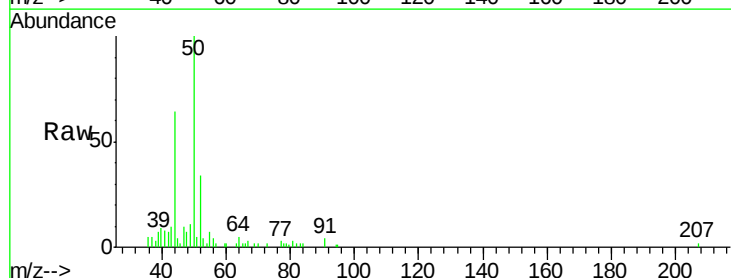
Acq: 17 Sep 2015 12:54

Tgt Ion: 50 Resp: 15961

Ion Ratio Lower Upper

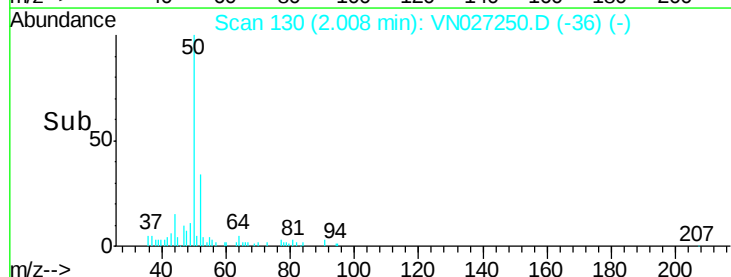
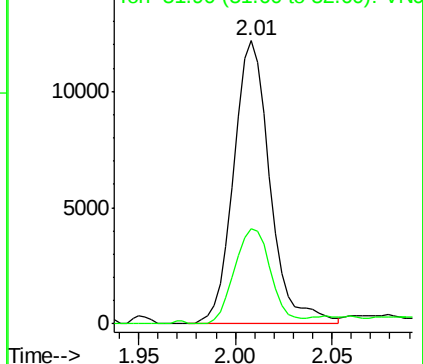
50 100

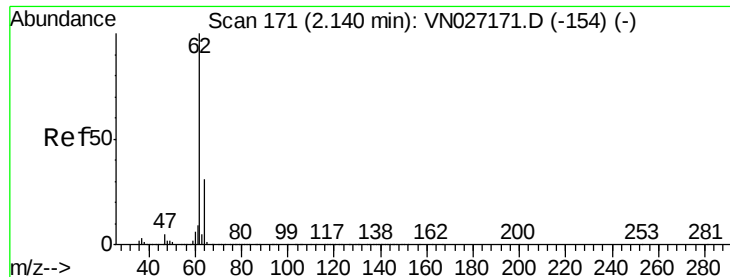
52 33.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#5

Vinyl Chloride

Concen: 2.16 ug/l

RT: 2.14 min Scan# 172

Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER2015-02

Tot Ion: 62 Resp: 15804

Ion Ratio Lower Upper

62 100

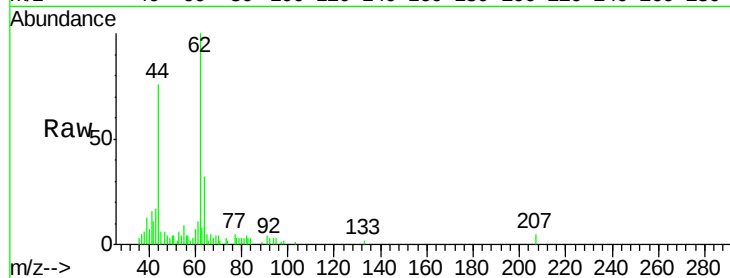
64 28.6 25.9 38.9

Manual Integrations

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9/18/2015 12:22:44 PM



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

12000

10000

8000

6000

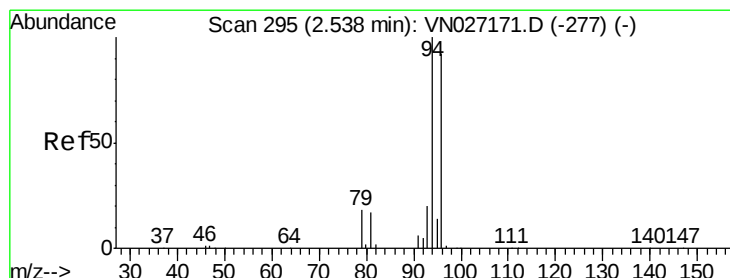
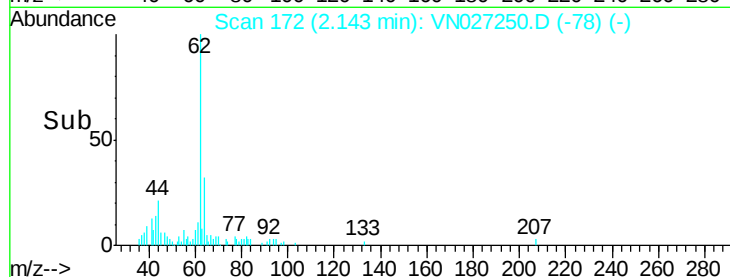
4000

2000

0

2.10 2.15 2.20

Time-->



#6

Bromomethane

Concen: 3.48 ug/l

RT: 2.55 min Scan# 297

Delta R.T. 0.01 min

Lab File: VN027250.D

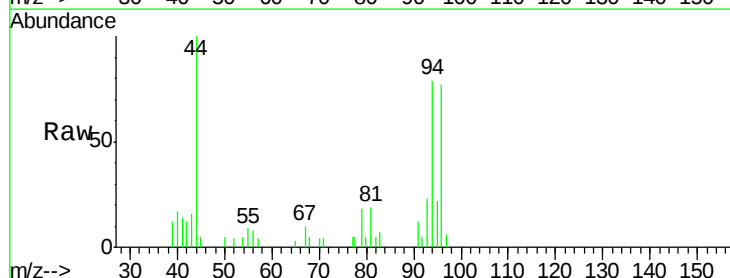
Acq: 17 Sep 2015 12:54

Tgt Ion: 94 Resp: 6979

Ion Ratio Lower Upper

94 100

96 97.7 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

4000

3000

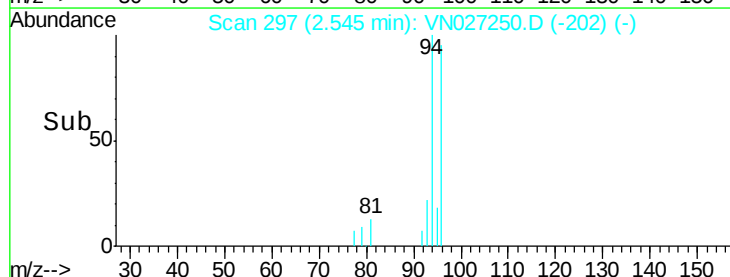
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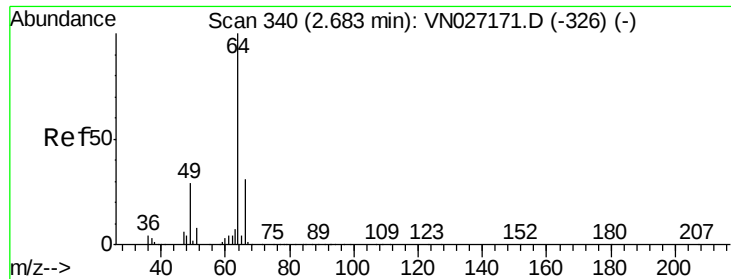
1000

0

2.50 2.55 2.60

Time-->





#7

Chloroethane

Concen: 2.11 ug/l

RT: 2.69 min Scan# 341

Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER2015-02

Tot Ion: 64 Resp: 10477

Ion Ratio Lower Upper

64 100

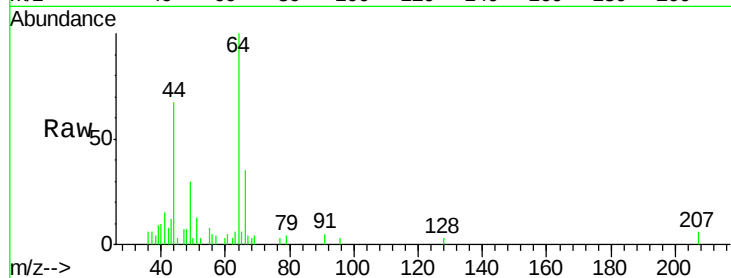
66 34.8 25.5 38.3

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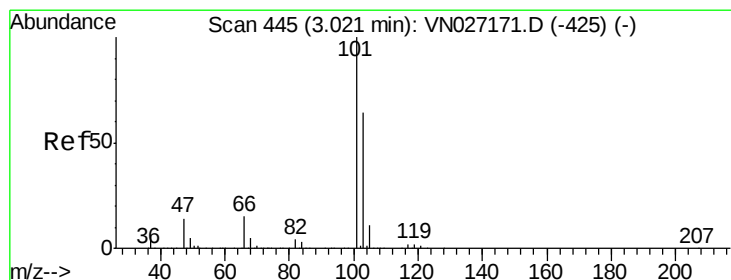
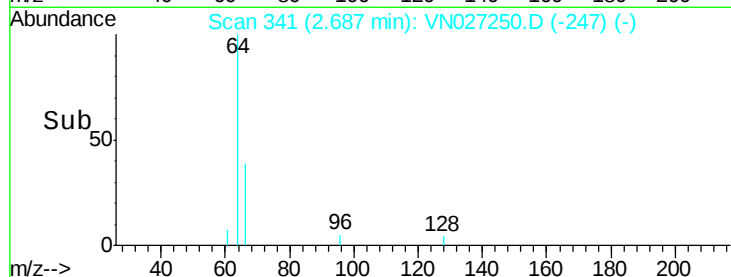


Abundance Ion 63.90 (63.60 to 64.60): VN027171.D (-326) (-)

Ion 65.90 (65.60 to 66.60): VN027171.D (-326) (-)

2.69

Time-->



#8

Trichlorofluoromethane

Concen: 2.18 ug/l

RT: 3.02 min Scan# 446

Delta R.T. 0.00 min

Lab File: VN027250.D

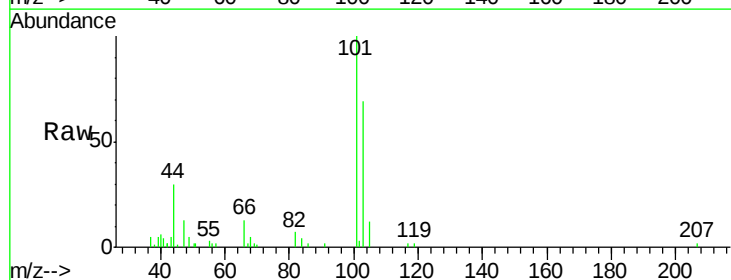
Acq: 17 Sep 2015 12:54

Tgt Ion: 101 Resp: 24047

Ion Ratio Lower Upper

101 100

103 69.0 52.6 79.0

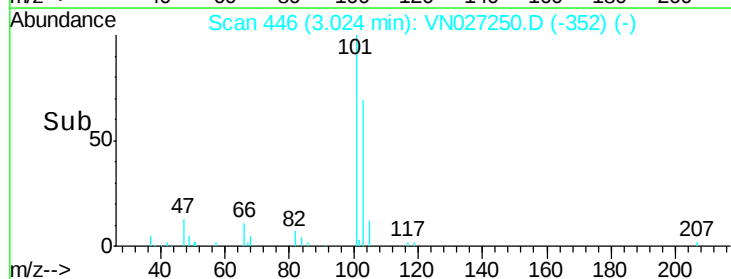


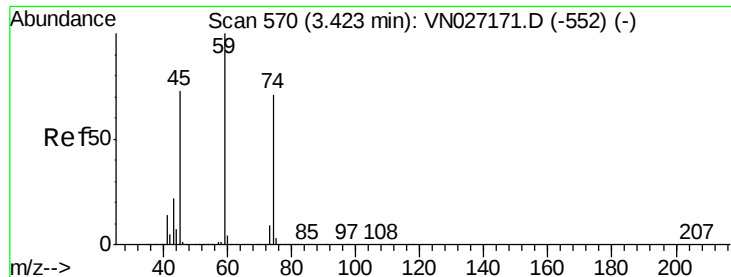
Abundance Ion 100.90 (100.60 to 101.60): VN027171.D (-425) (-)

Ion 102.80 (102.50 to 103.50): VN027171.D (-425) (-)

3.02

Time-->





#9

Diethyl Ether

Concen: 2.05 ug/l

RT: 3.43 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER2015-02

Tot Ion: 74 Resp: 10404

Ion Ratio Lower Upper

74 100

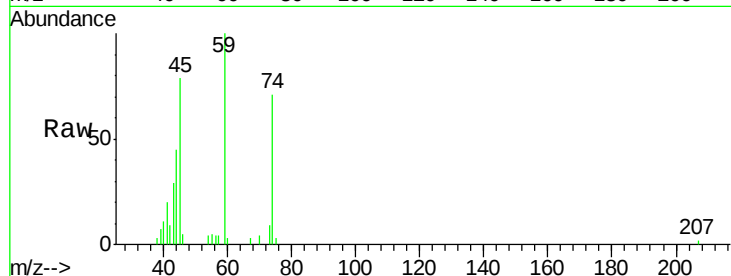
45 115.6 58.1 174.3

Manual Integrations

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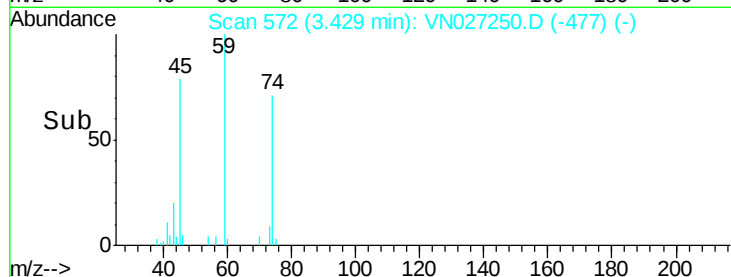


Abundance Ion 74.00 (73.70 to 74.70): VN027171.D (-552) (-)

Ion 45.00 (44.70 to 45.70): VN027171.D (-552) (-)

3.43

Time-->



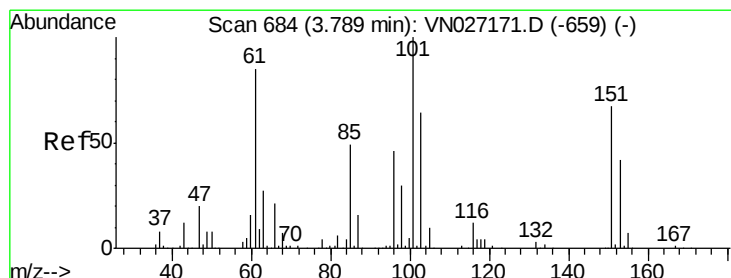
Abundance

Ion 74.00 (73.70 to 74.70): VN027250.D (-477) (-)

Ion 45.00 (44.70 to 45.70): VN027250.D (-477) (-)

3.43

Time-->



#10

1,1,2-Trichlorotrifluoroethane

Concen: 2.06 ug/l

RT: 3.79 min Scan# 685

Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

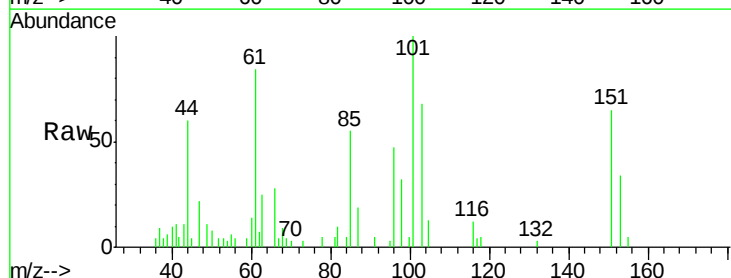
Tgt Ion: 101 Resp: 14313

Ion Ratio Lower Upper

101 100

85 52.0 37.4 56.0

151 31.4 55.9 83.9#



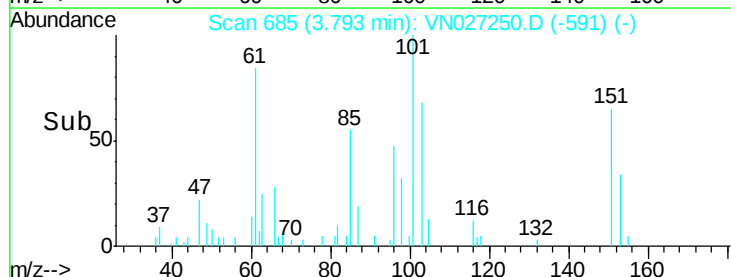
Abundance Ion 100.90 (100.60 to 101.60): VN027171.D (-659) (-)

Ion 84.90 (84.60 to 85.60): VN027171.D (-659) (-)

Ion 150.80 (150.50 to 151.50): VN027171.D (-659) (-)

3.79

Time-->



Abundance

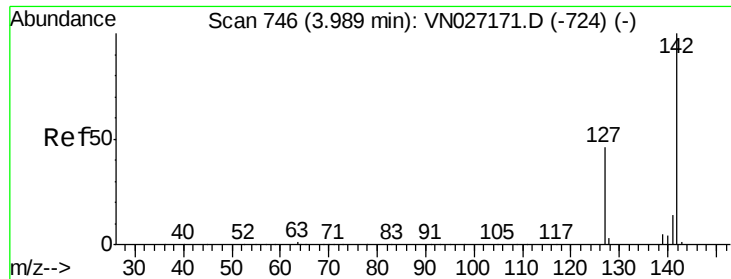
Ion 100.90 (100.60 to 101.60): VN027250.D (-591) (-)

Ion 84.90 (84.60 to 85.60): VN027250.D (-591) (-)

Ion 150.80 (150.50 to 151.50): VN027250.D (-591) (-)

3.79

Time-->



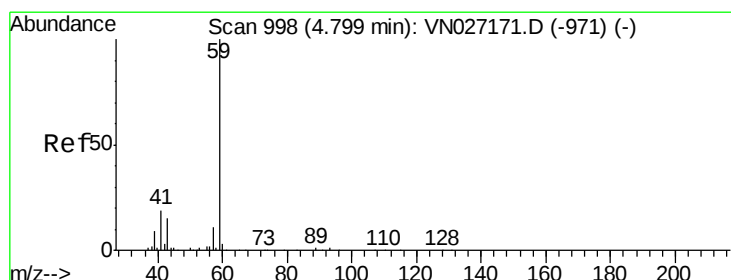
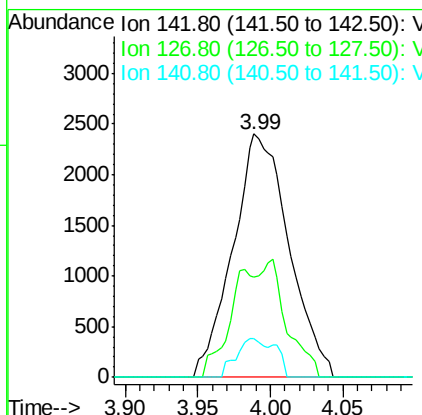
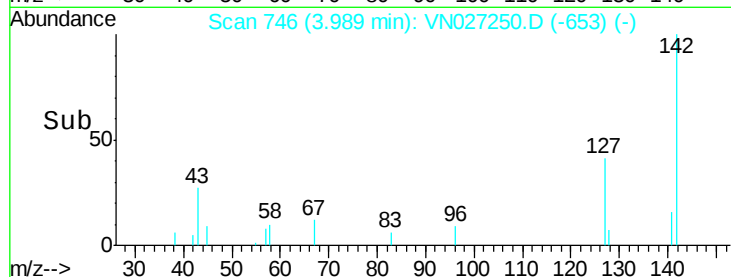
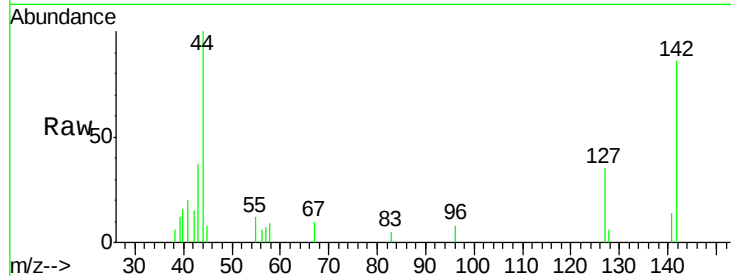
#11
Methvl Iodide
Concen: 0.96 ug/l
RT: 3.99 min Scan# 746
Delta R.T. 0.00 min
Lab File: VN027250.D
Acq: 17 Sep 2015 12:54

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER2015-02

Tot Ion	Ratio	Lower	Upper
142	100		
127	20.6	32.3	48.5#
141	11.0	11.2	16.8#

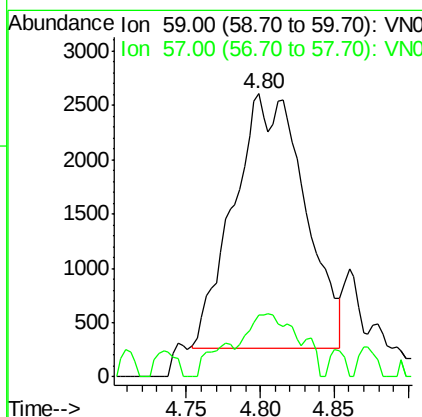
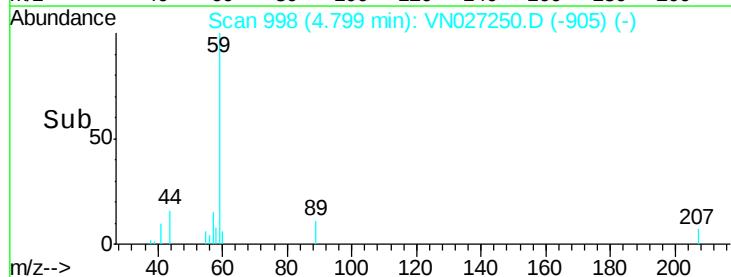
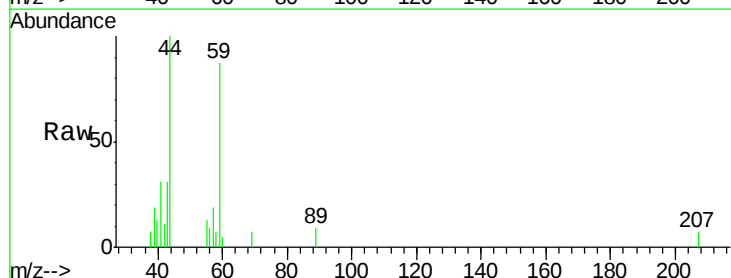
Manual Integrations
APPROVED

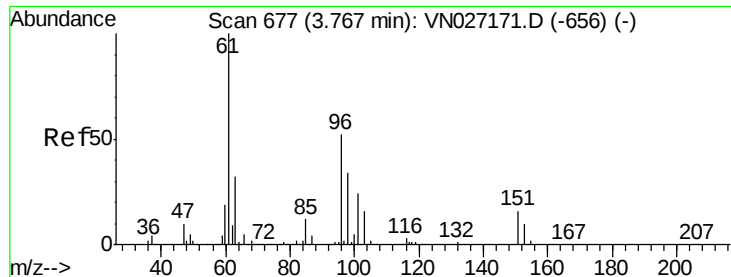
MMDadoda
9/18/2015 12:22:44 PM



#12
Tert butyl alcohol
Concen: 7.59 ug/l m
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN027250.D
Acq: 17 Sep 2015 12:54

Tgt Ion	Ratio	Lower	Upper
59	100		
57	8.3	7.6	11.4





#13

1,1-Dichloroethene

Concen: 2.23 ug/l

RT: 3.77 min Scan# 679

Delta R.T. 0.01 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Instrument :

MSVOA_N

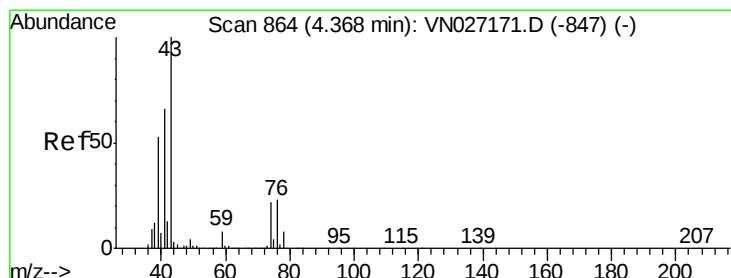
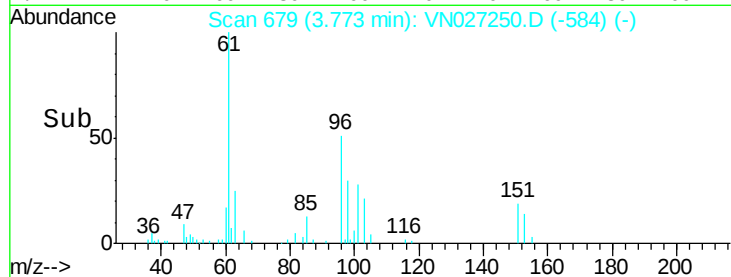
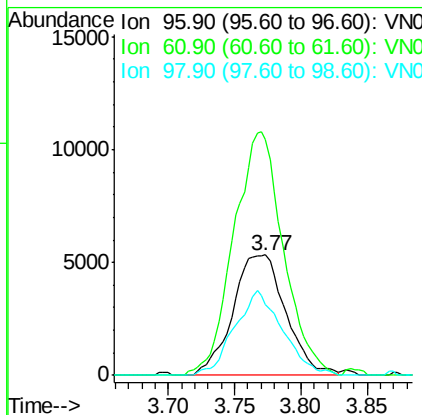
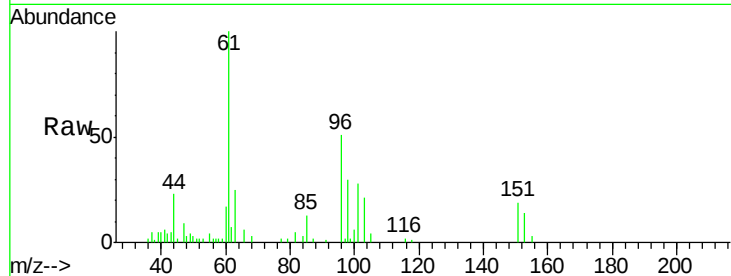
ClientSampleId :

LOQ-WATER2015-02

Tot Ion:	96	Resp:	14809
Ion	Ratio	Lower	Upper
96	100		
61	196.1	143.8	215.8
98	58.8	50.3	75.5

Manual Integrations
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#15

Allyl chloride

Concen: 1.95 ug/l

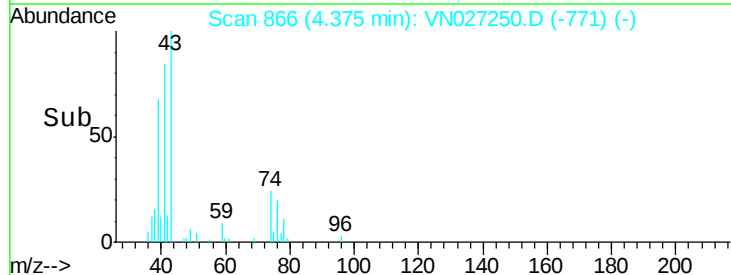
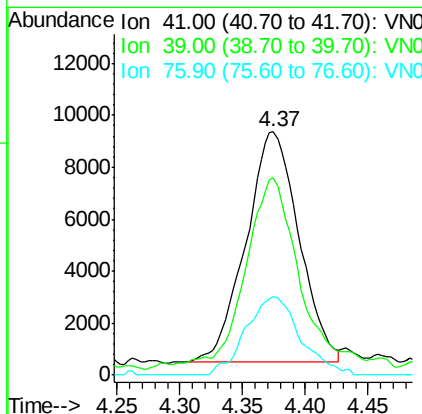
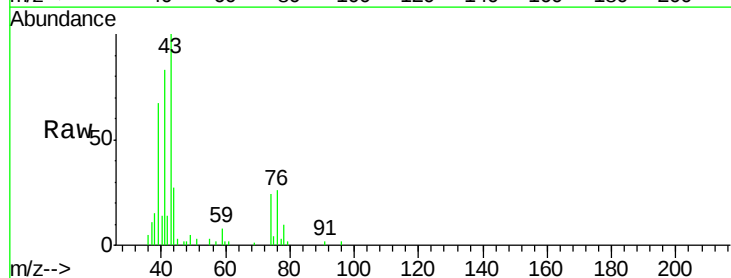
RT: 4.37 min Scan# 866

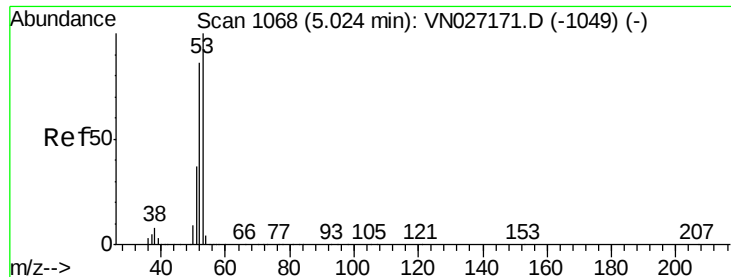
Delta R.T. 0.01 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Tgt Ion:	41	Resp:	26147
Ion	Ratio	Lower	Upper
41	100		
39	80.5	49.7	74.5#
76	34.9	24.8	37.2





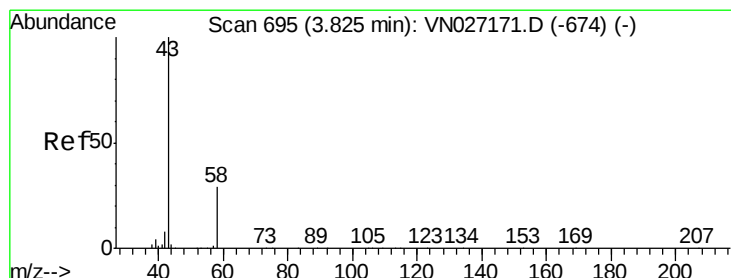
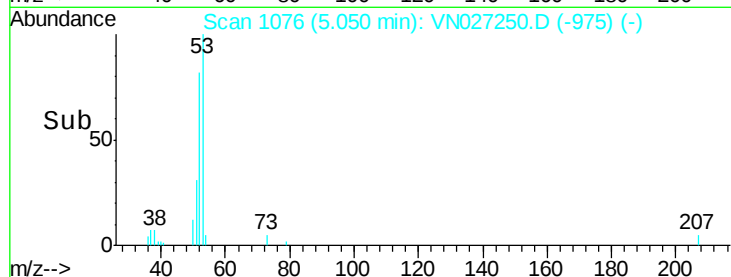
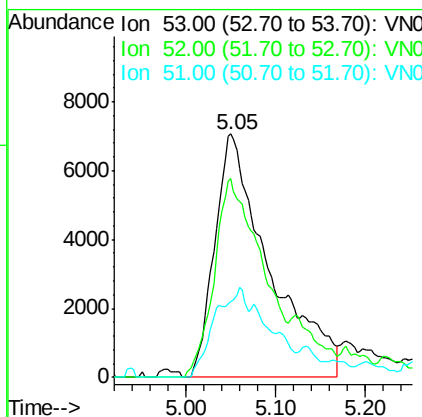
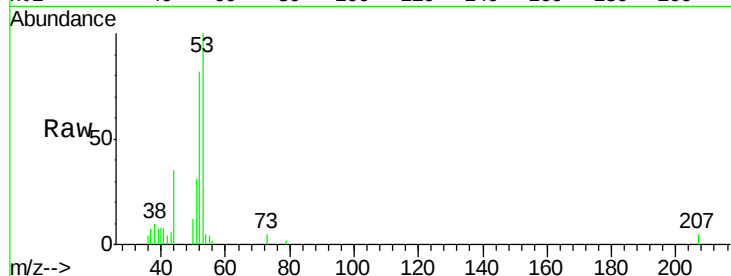
#16
 Acrylonitrile
 Concen: 8.84 ug/l m
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.03 min
 Lab File: VN027250.D
 Acq: 17 Sep 2015 12:54

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER2015-02

Tot Ion	Ratio	Lower	Upper
53	100		
52	71.1	66.9	100.3
51	21.3	27.4	41.0#

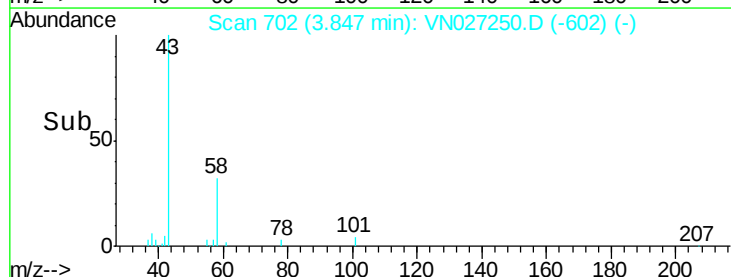
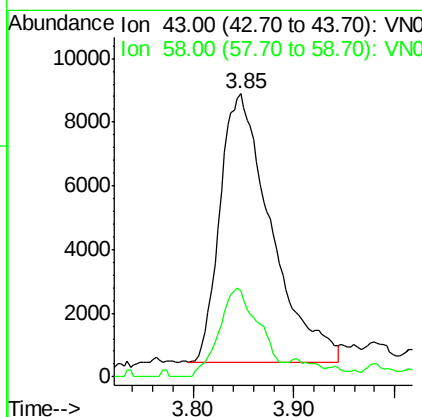
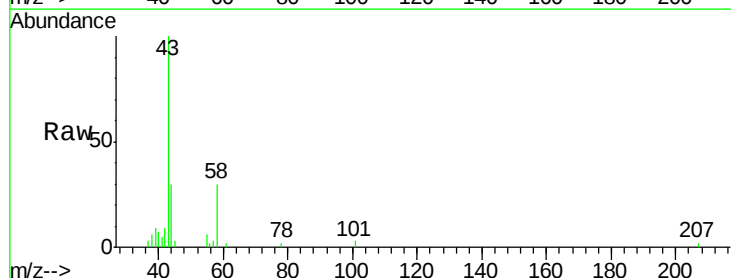
Manual Integrations
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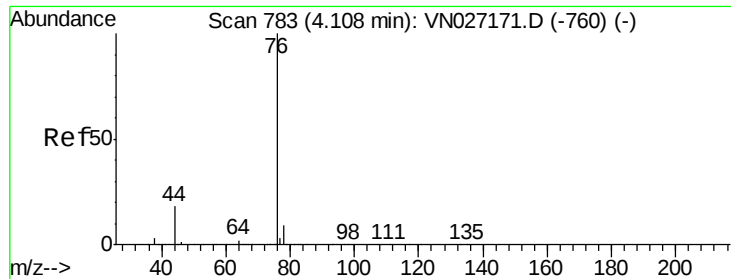
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#17
 Acetone
 Concen: 10.37 ug/l
 RT: 3.85 min Scan# 702
 Delta R.T. 0.02 min
 Lab File: VN027250.D
 Acq: 17 Sep 2015 12:54

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.0	25.4	38.0





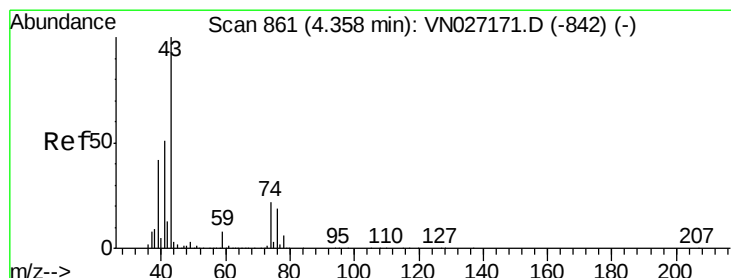
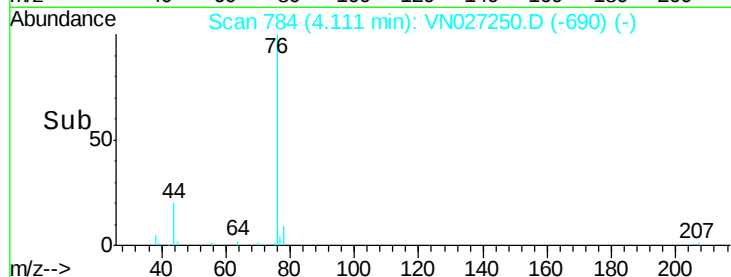
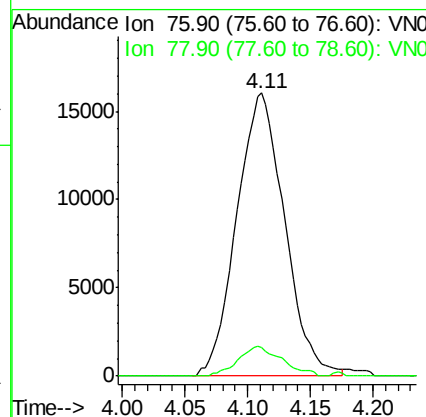
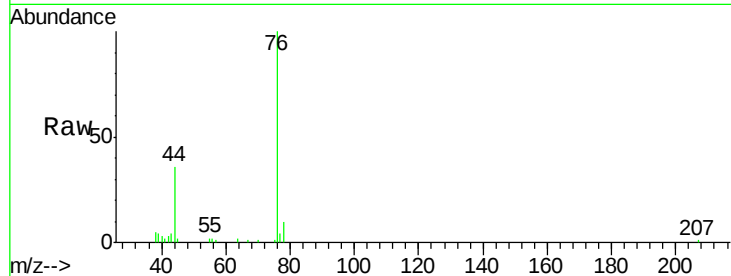
#18
Carbon Disulfide
Concen: 1.97 ug/l
RT: 4.11 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN027250.D
Acq: 17 Sep 2015 12:54

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER2015-02

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.3	7.1	10.7

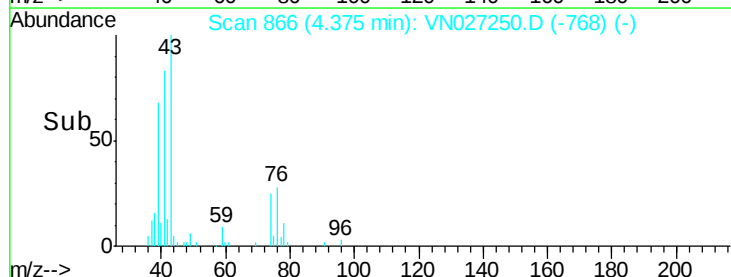
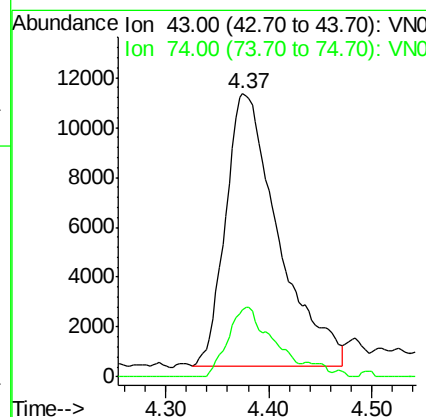
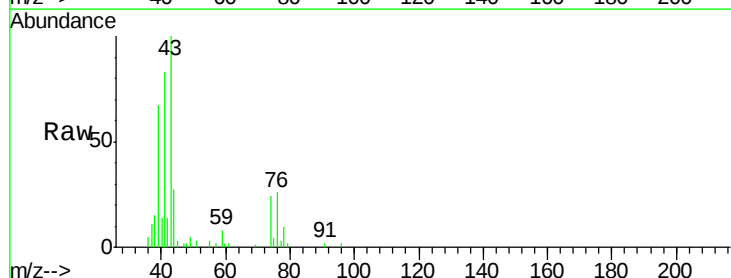
Manual Integrations
APPROVED

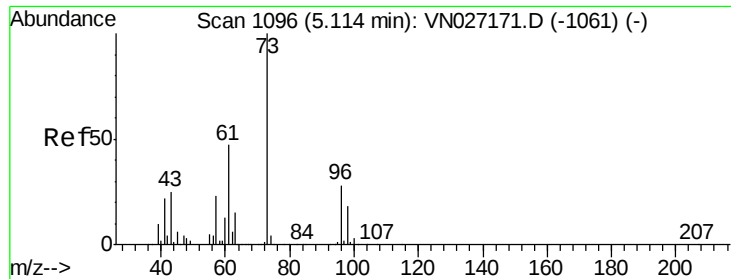
MMDadoda
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#19
Methyl Acetate
Concen: 1.88 ug/l
RT: 4.37 min Scan# 866
Delta R.T. 0.02 min
Lab File: VN027250.D
Acq: 17 Sep 2015 12:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	16.2	24.2





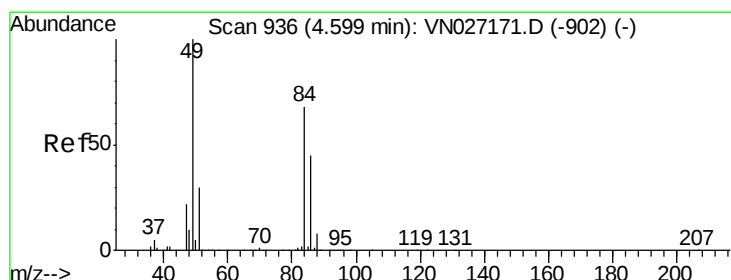
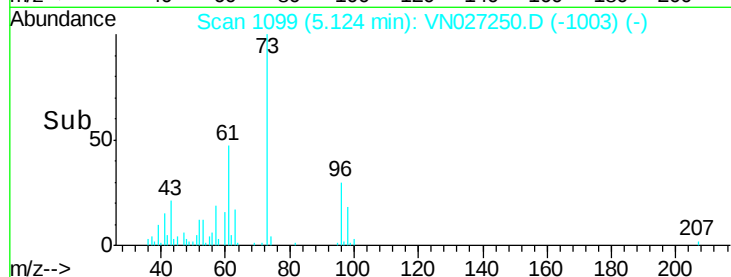
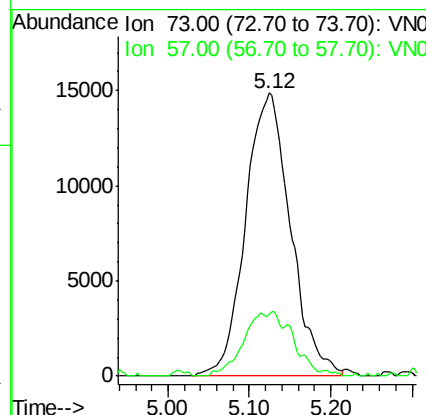
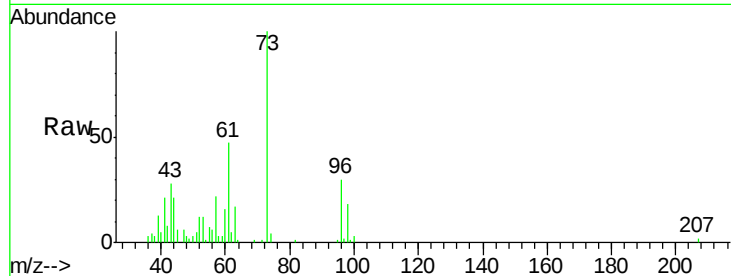
#20
Methvl tert-butvl Ether
Concen: 2.13 ug/l
RT: 5.12 min Scan# 1099
Delta R.T. 0.01 min
Lab File: VN027250.D
Acq: 17 Sep 2015 12:54

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER2015-02

Tot Ion: 73 Resp: 56904
Ion Ratio Lower Upper
73 100
57 21.7 19.8 29.6

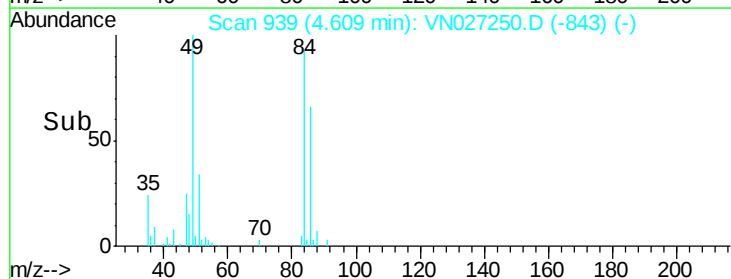
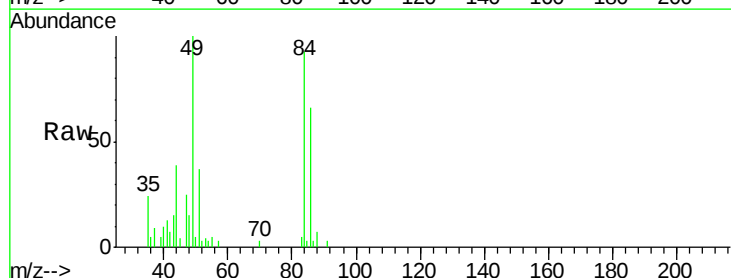
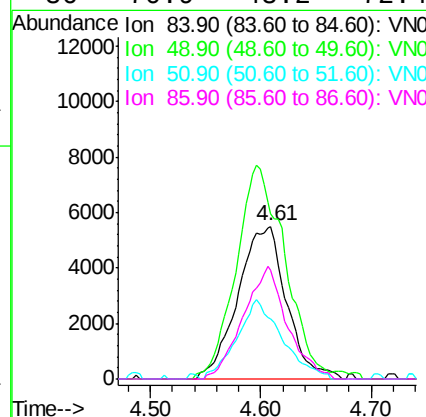
Manual Integrations
APPROVED

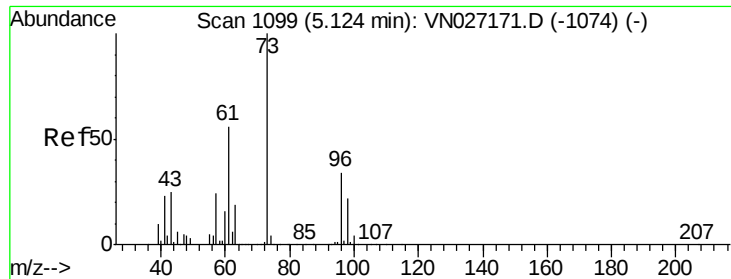
MMDadoda
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#21
Methylene Chloride
Concen: 2.11 ug/l
RT: 4.61 min Scan# 939
Delta R.T. 0.01 min
Lab File: VN027250.D
Acq: 17 Sep 2015 12:54

Tgt Ion: 84 Resp: 16836
Ion Ratio Lower Upper
84 100
49 108.1 112.3 168.5#
51 39.8 33.8 50.8
86 70.9 48.2 72.4





#22

trans-1,2-Dichloroethene

Concen: 2.19 ug/l

RT: 5.13 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Instrument :

MSVOA_N

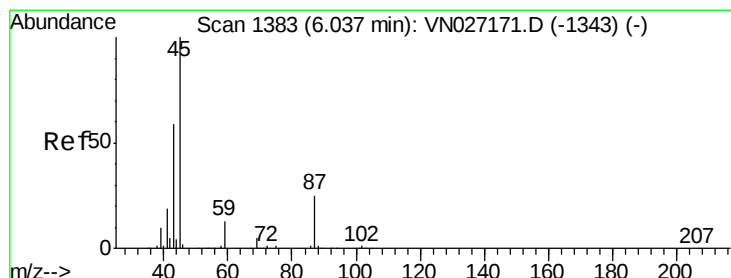
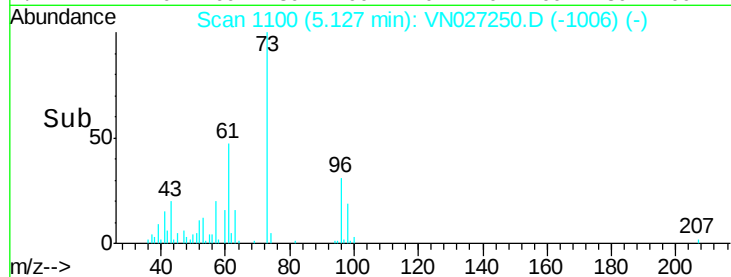
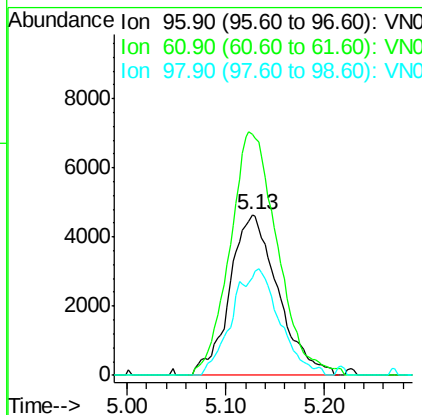
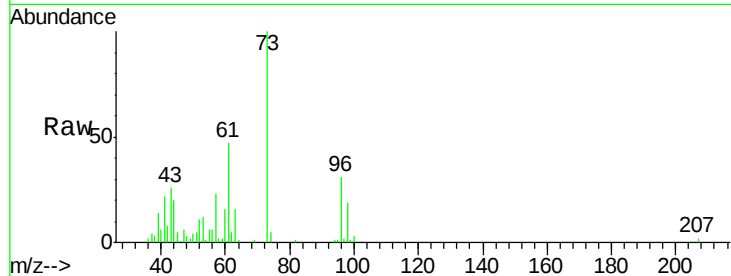
ClientSampleId :

LOQ-WATER2015-02

Tot Ion:	96	Resp:	15770
Ion	Ratio	Lower	Upper
96	100		
61	149.7	126.6	189.8
98	60.6	47.4	71.2

Manual Integrations
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#23

Diisopropyl ether

Concen: 2.07 ug/l

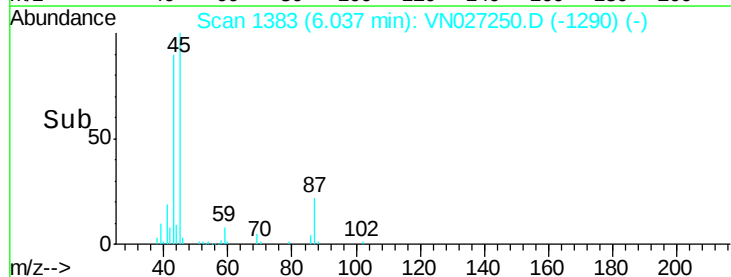
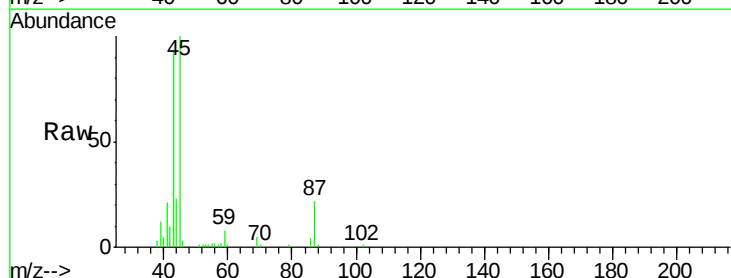
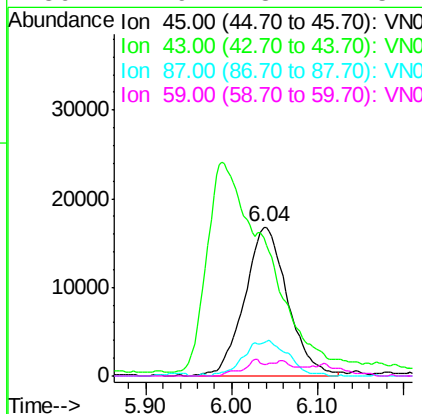
RT: 6.04 min Scan# 1383

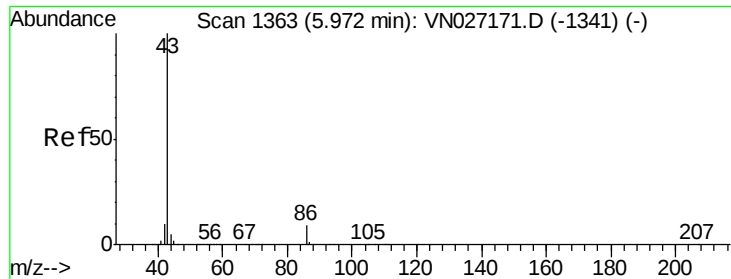
Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Tgt Ion:	45	Resp:	58333
Ion	Ratio	Lower	Upper
45	100		
43	83.9	41.0	61.6#
87	22.5	17.5	26.3
59	7.9	8.7	13.1#





#24

Vinyl Acetate

Concen: 8.14 ug/l

RT: 5.99 min Scan# 1368

Delta R.T. 0.02 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER2015-02

Tot Ion: 43 Resp: 75873

Ion Ratio Lower Upper

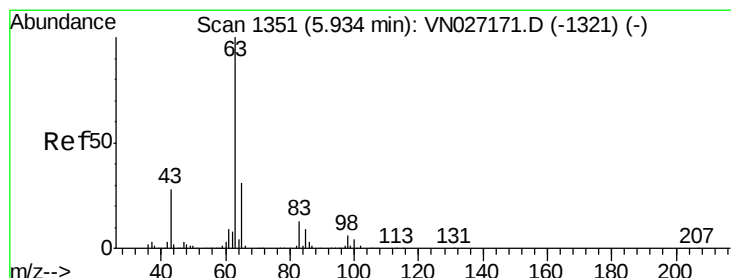
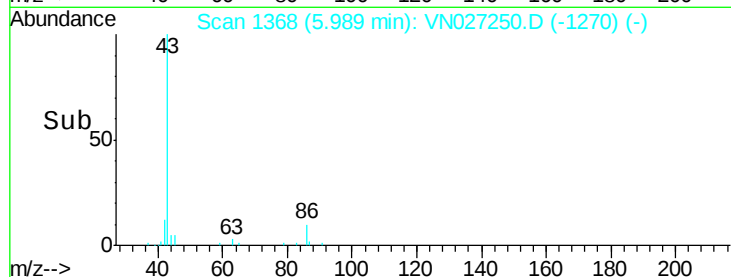
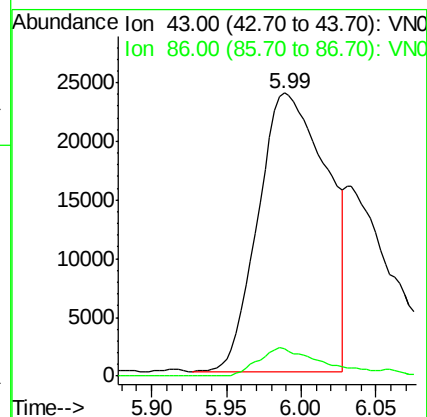
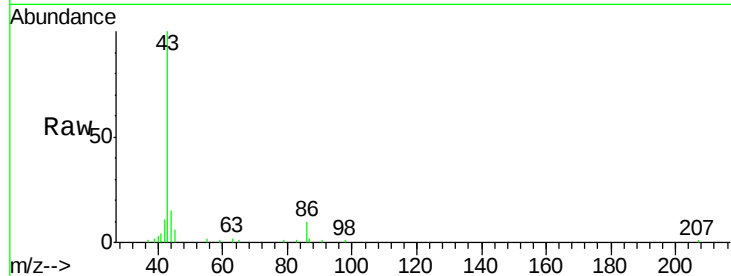
43 100

86 9.8 6.9 10.3

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#25

1,1-Dichloroethane

Concen: 2.12 ug/l

RT: 5.94 min Scan# 1353

Delta R.T. 0.01 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

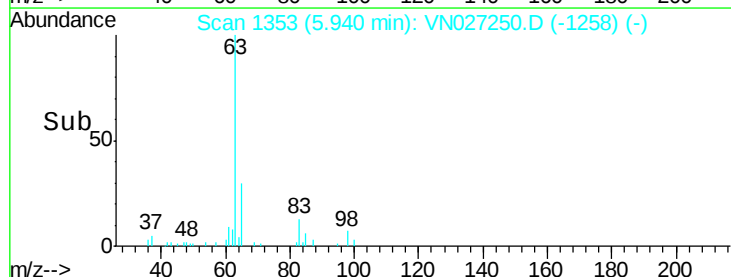
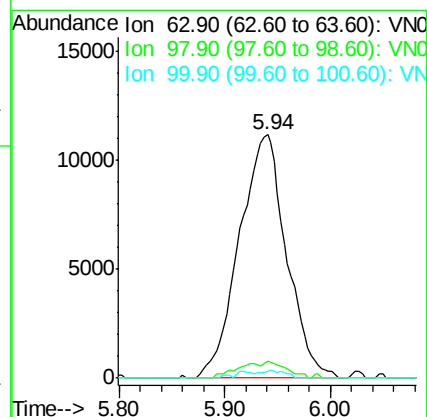
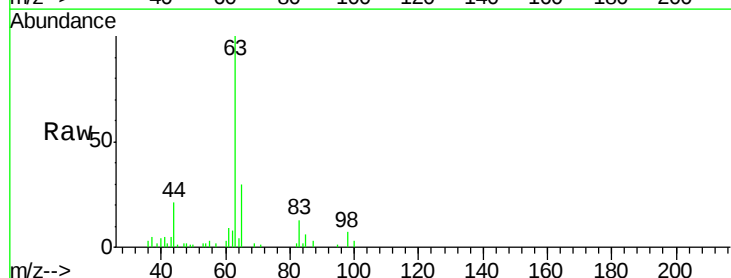
Tgt Ion: 63 Resp: 34665

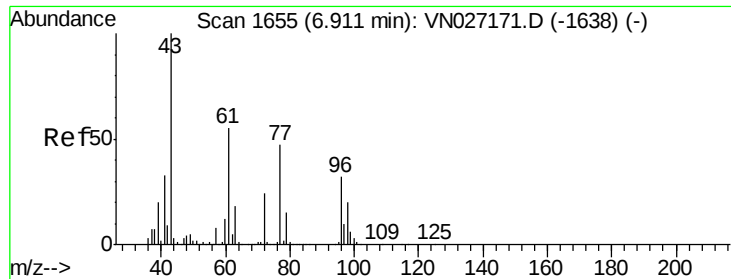
Ion Ratio Lower Upper

63 100

98 7.1 2.8 8.3

100 2.8 1.7 5.0





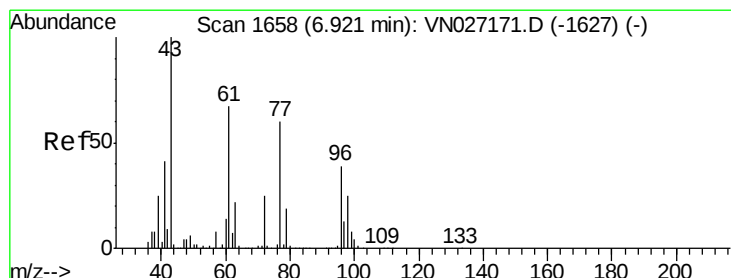
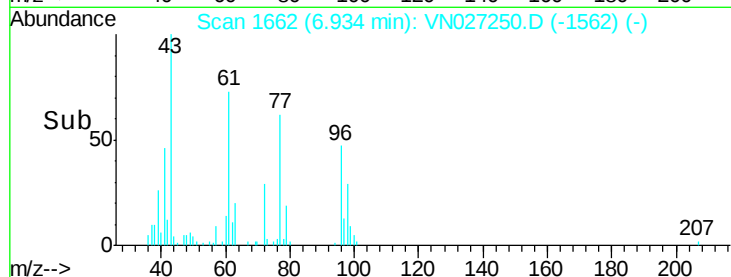
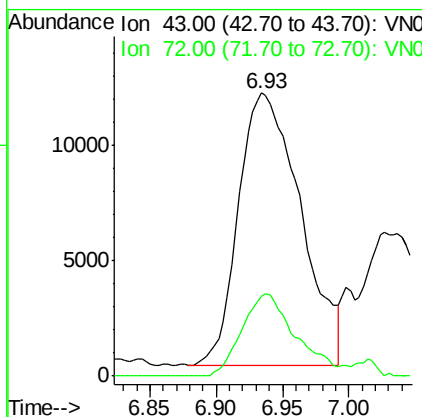
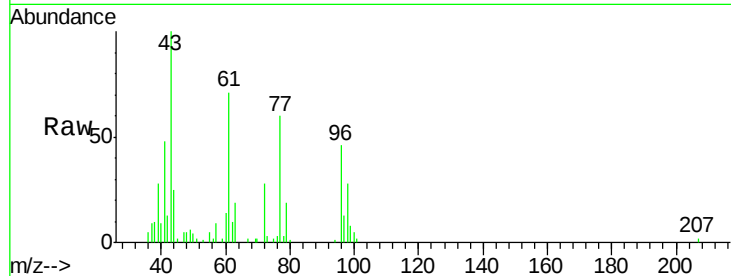
#26
2-Butanone
Concen: 8.98 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.02 min
Lab File: VN027250.D
Acq: 17 Sep 2015 12:54

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER2015-02

Tot Ion: 43 Resp: 38667
Ion Ratio Lower Upper
43 100
72 29.5 18.8 28.2#

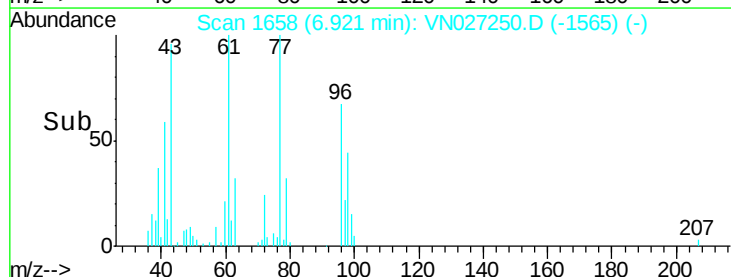
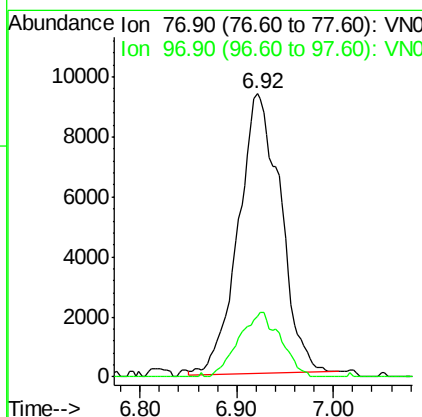
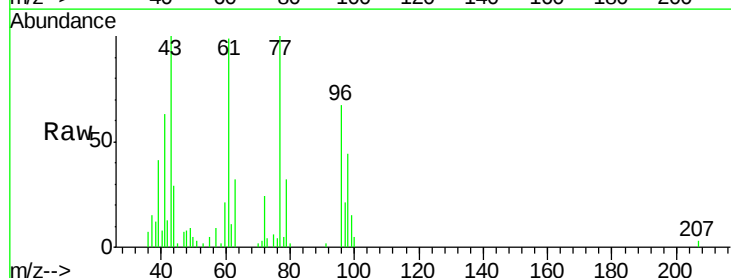
Manual Integrations
APPROVED

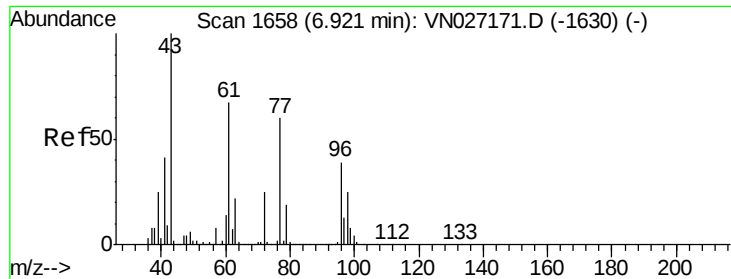
MMDadoda
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#27
2,2-Dichloropropane
Concen: 2.00 ug/l
RT: 6.92 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VN027250.D
Acq: 17 Sep 2015 12:54

Tgt Ion: 77 Resp: 28375
Ion Ratio Lower Upper
77 100
97 22.8 11.8 35.3





#28

cis-1,2-Dichloroethene

Concen: 2.25 ug/l

RT: 6.92 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Instrument :

MSVOA_N

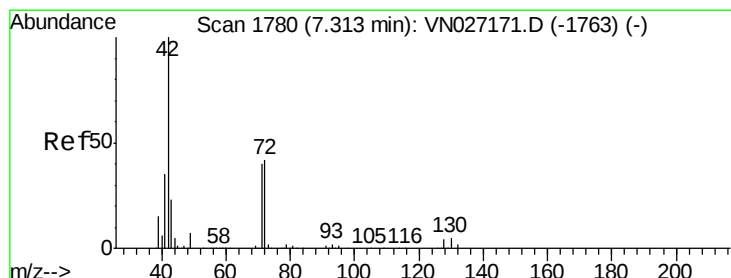
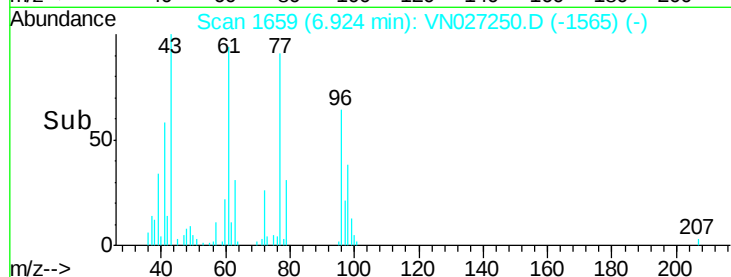
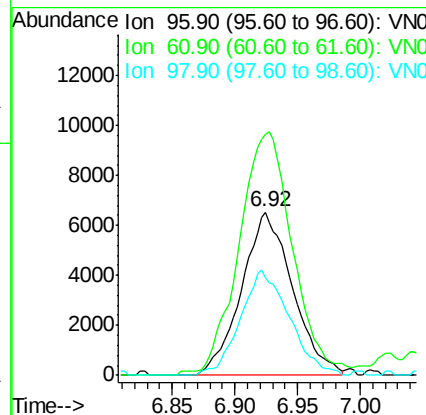
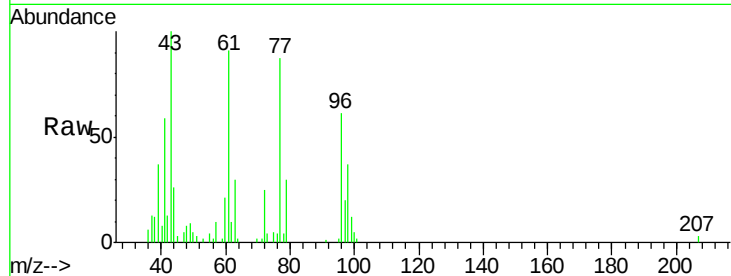
ClientSampleId :

LOQ-WATER2015-02

Tot Ion:	96	Resp:	18511
Ion	Ratio	Lower	Upper
96	100		
61	150.5	0.0	329.2
98	61.7	0.0	126.0

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#30

Tetrahydrofuran

Concen: 9.53 ug/l

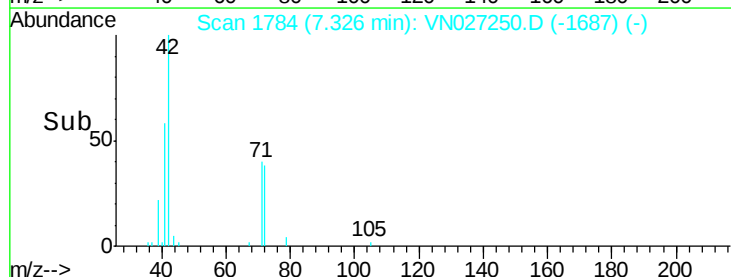
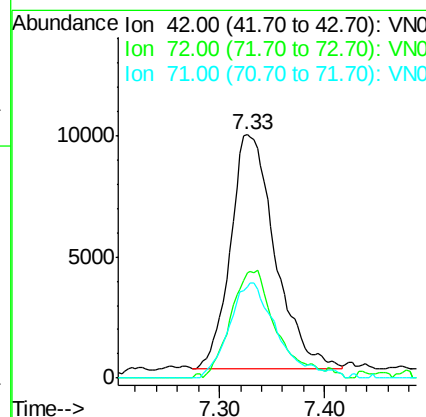
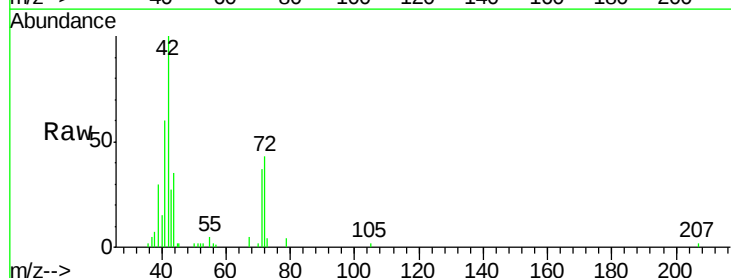
RT: 7.33 min Scan# 1784

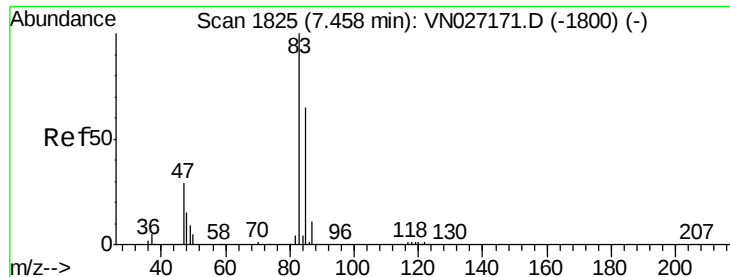
Delta R.T. 0.01 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Tgt Ion:	42	Resp:	28276
Ion	Ratio	Lower	Upper
42	100		
72	46.7	29.9	44.9#
71	41.4	28.3	42.5





#31

Chloroform

Concen: 2.21 ug/l

RT: 7.46 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER2015-02

Tot Ion: 83 Resp: 32727

Ion Ratio Lower Upper

83 100

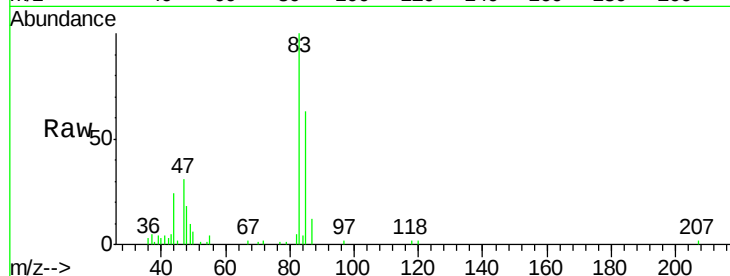
85 63.0 51.1 76.7

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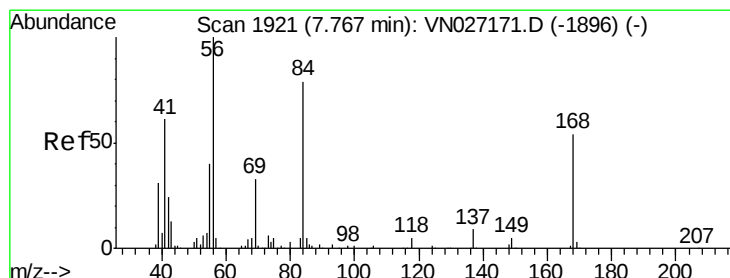
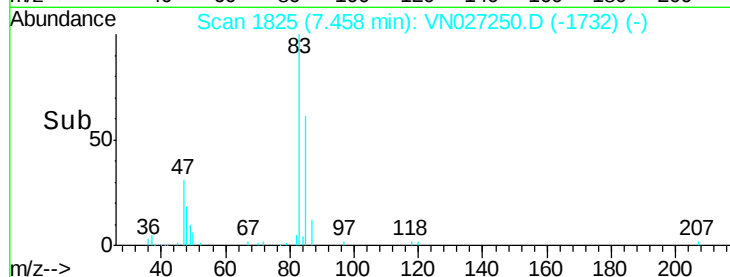
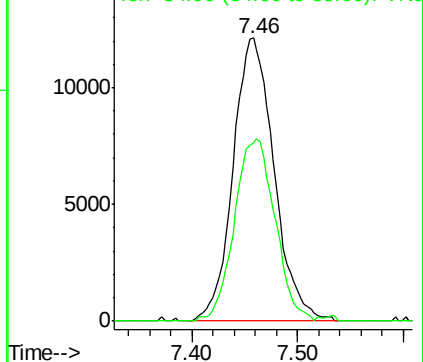
MMDadoda

9/18/2015 12:22:44 PM



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO



#32

Cyclohexane

Concen: 2.41 ug/l

RT: 7.76 min Scan# 1919

Delta R.T. -0.01 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

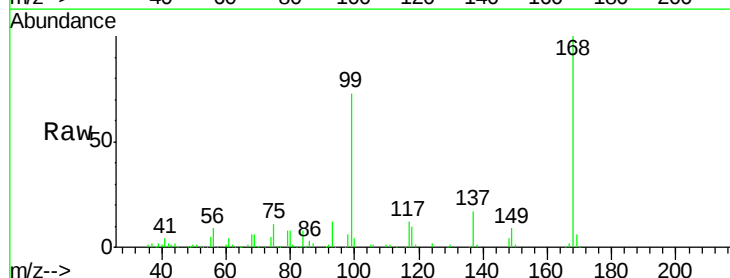
Tgt Ion: 56 Resp: 47932

Ion Ratio Lower Upper

56 100

69 72.8 23.0 34.4#

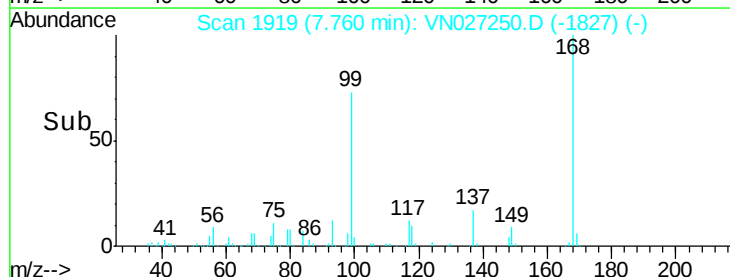
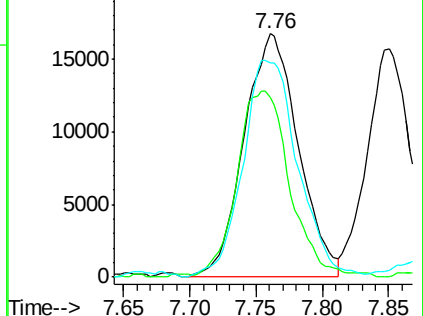
84 88.1 57.8 86.8#

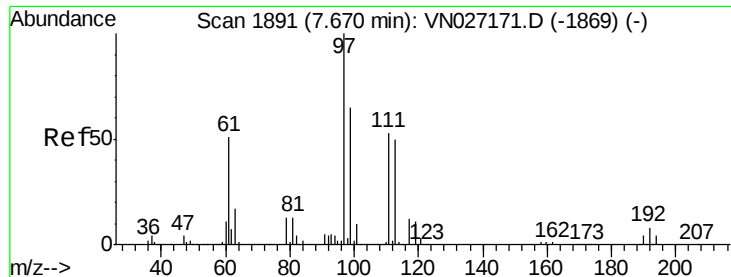


Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO





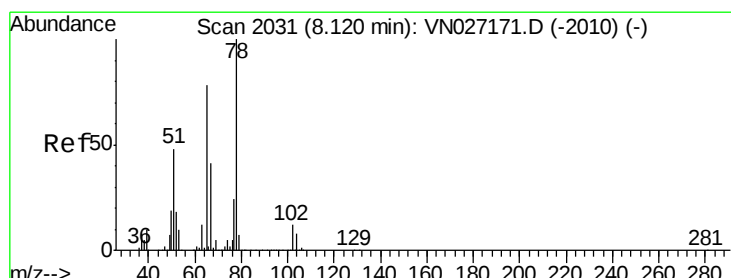
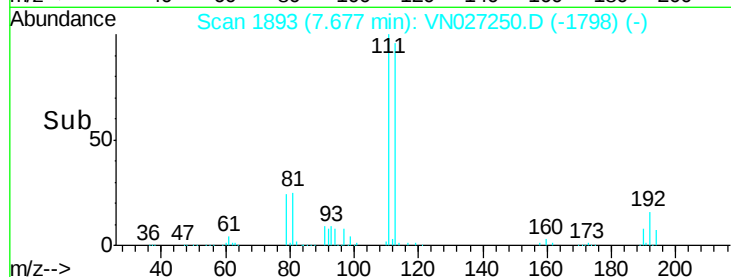
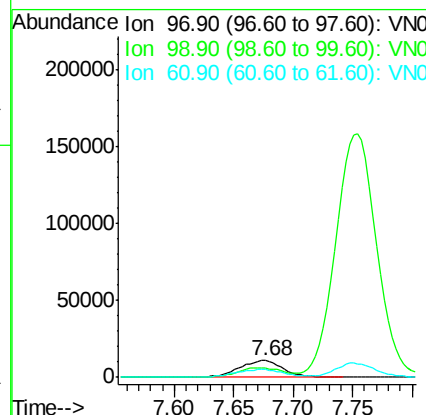
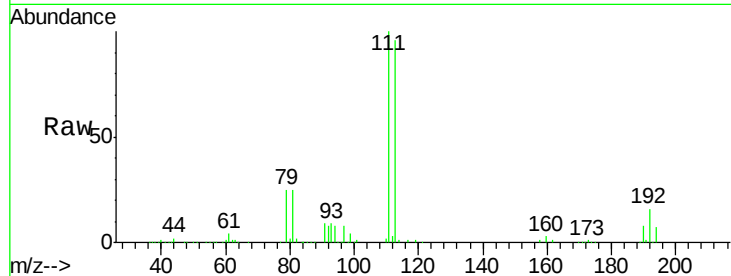
#33
 1,1,1-Trichloroethane
 Concen: 2.15 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.01 min
 Lab File: VN027250.D
 Acq: 17 Sep 2015 12:54

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER2015-02

Tot Ion	Ratio	Lower	Upper
97	100		
99	59.8	50.1	75.1
61	51.1	44.0	66.0

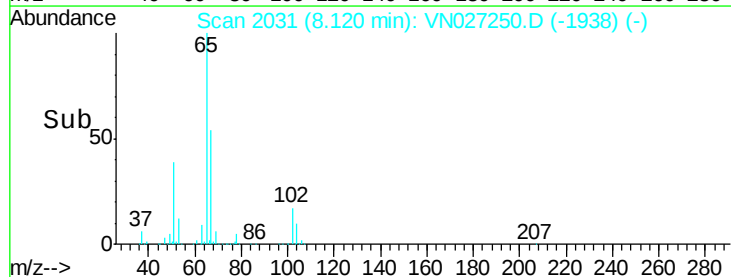
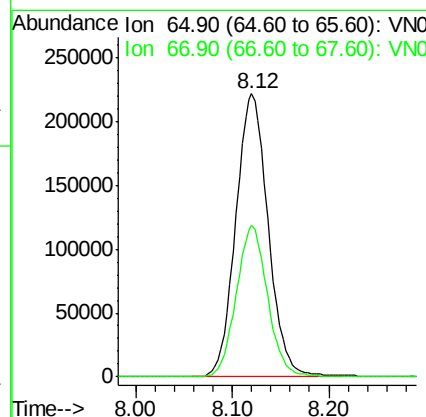
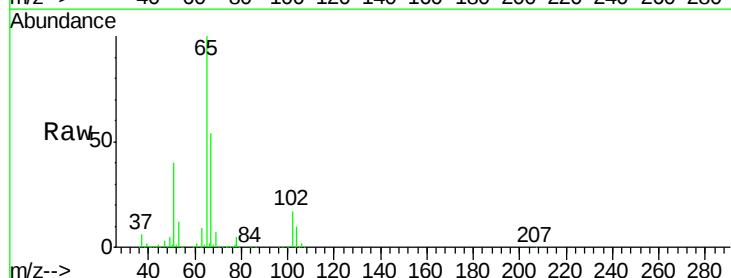
Manual Integrations
 APPROVED

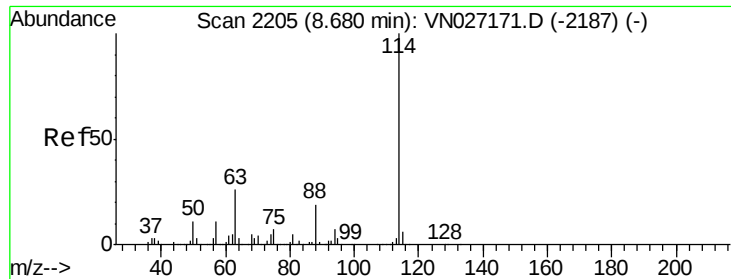
MMDadoda
 9/18/2015 12:22:44 PM



#34
 1,2-Dichloroethane-d4
 Concen: 48.53 ug/l
 RT: 8.12 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VN027250.D
 Acq: 17 Sep 2015 12:54

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	110.6





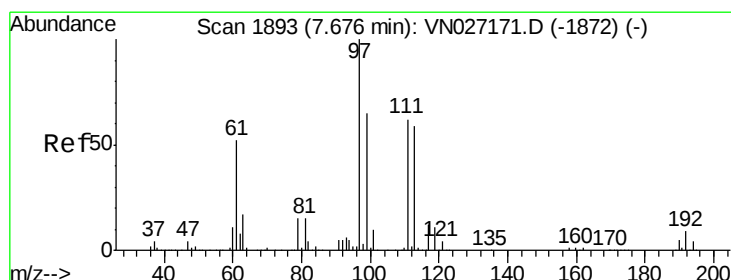
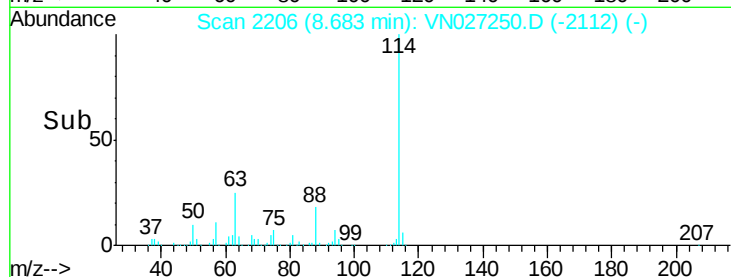
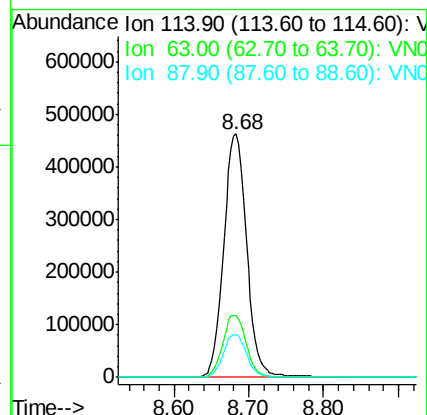
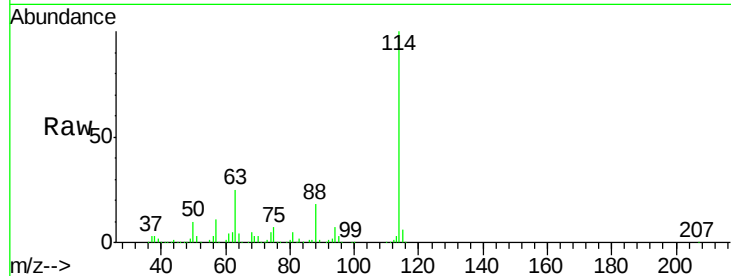
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: VN027250.D
 Acq: 17 Sep 2015 12:54

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER2015-02

Tot Ion	Ratio	Resp	Lower	Upper
114	100	983634		
63	25.2		0.0	48.8
88	17.7		0.0	32.2

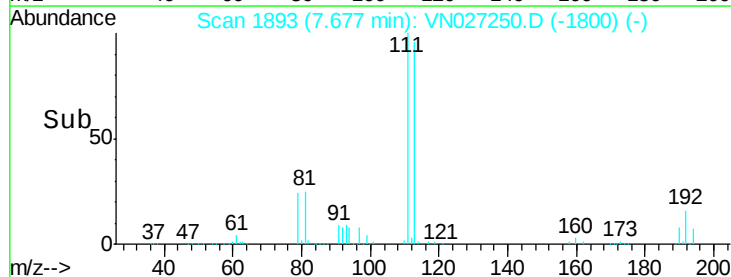
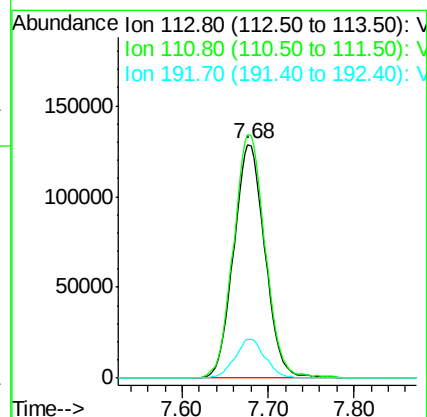
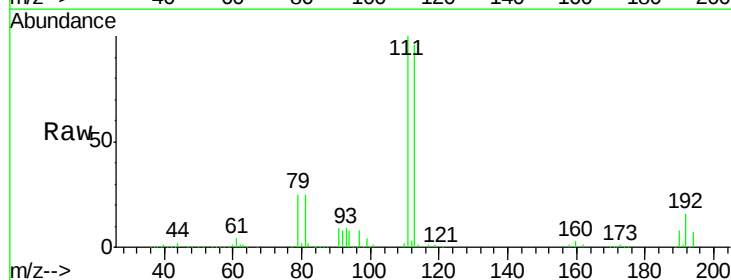
Manual Integrations
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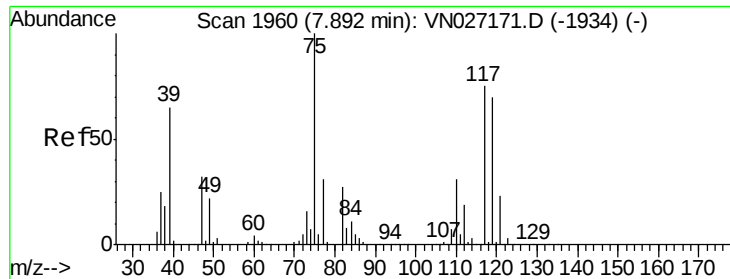
MMDadoda
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#36
 Dibromofluoromethane
 Concen: 47.59 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027250.D
 Acq: 17 Sep 2015 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	324476		
111	105.6		83.0	124.4
192	16.1		14.1	21.1





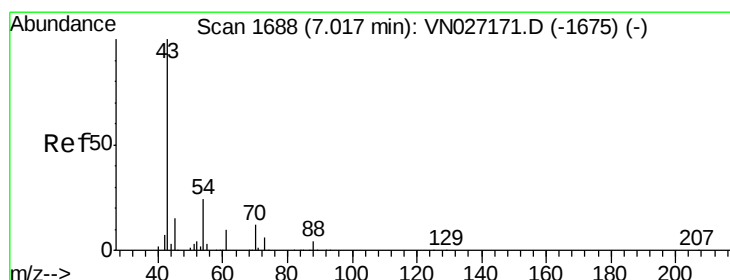
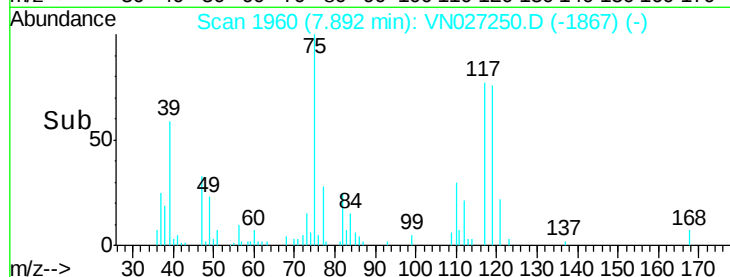
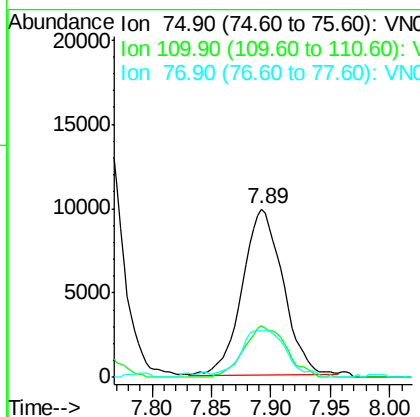
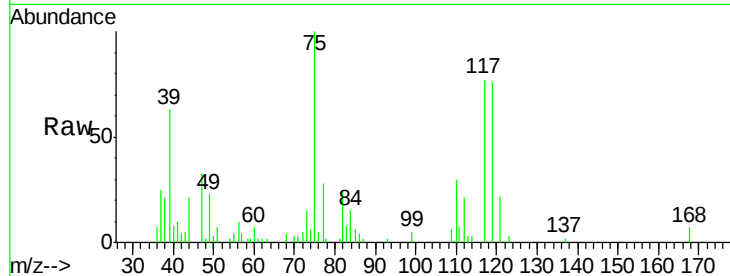
#37
 1,1-Dichloropropene
 Concen: 2.01 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VN027250.D
 Acq: 17 Sep 2015 12:54

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER2015-02

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.4	15.9	47.7
77	31.8	24.9	37.3

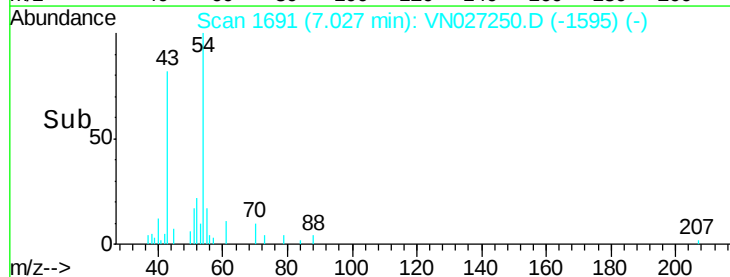
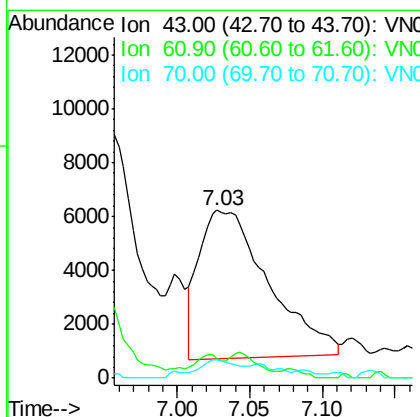
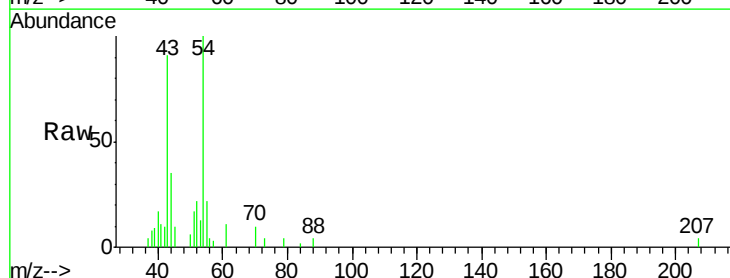
Manual Integrations
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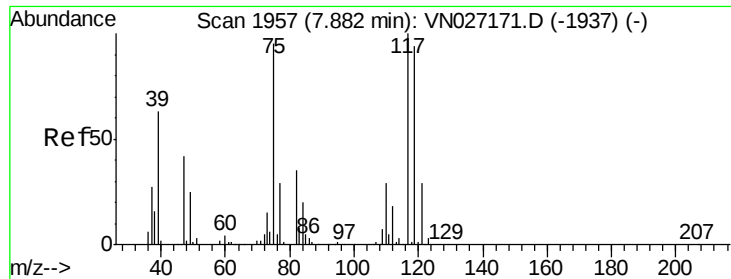
MMDadoda
 9/18/2015 12:22:44 PM



#38
 Ethyl Acetate
 Concen: 0.82 ug/l
 RT: 7.03 min Scan# 1691
 Delta R.T. 0.01 min
 Lab File: VN027250.D
 Acq: 17 Sep 2015 12:54

Tgt Ion	Ratio	Lower	Upper
43	100		
61	5.2	10.2	15.4#
70	4.4	7.4	11.0#





#39

Carbon Tetrachloride

Concen: 2.11 ug/l

RT: 7.88 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER2015-02

Tot Ion:117 Resp: 22859

Ion Ratio Lower Upper

117 100

119 90.5 75.3 112.9

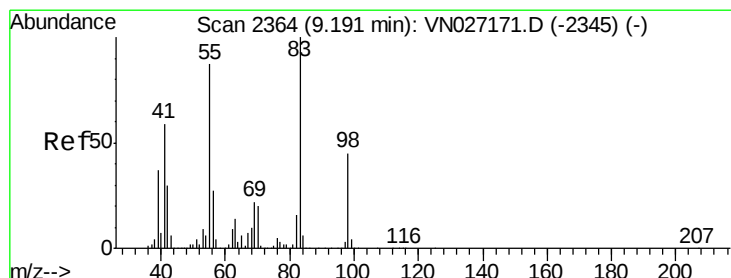
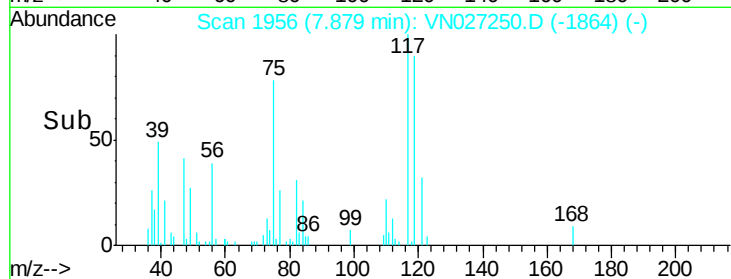
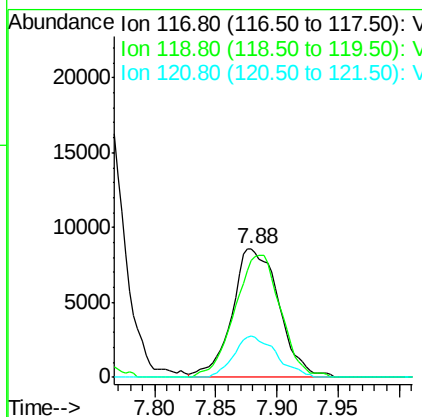
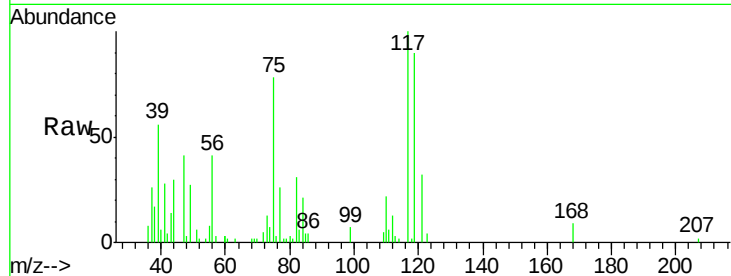
121 32.0 23.8 35.8

Manual Integrations

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#40

Methylcyclohexane

Concen: 2.02 ug/l

RT: 9.19 min Scan# 2364

Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

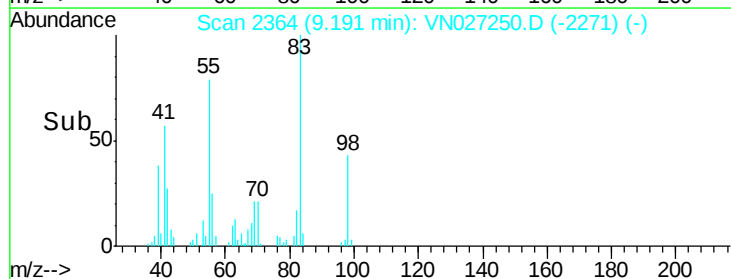
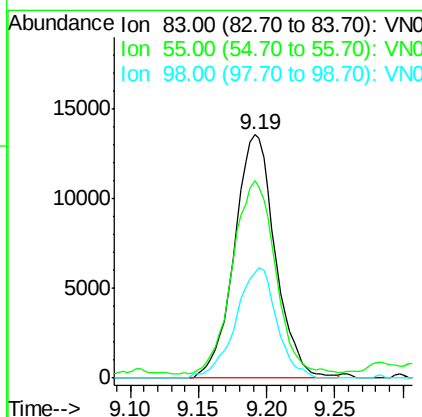
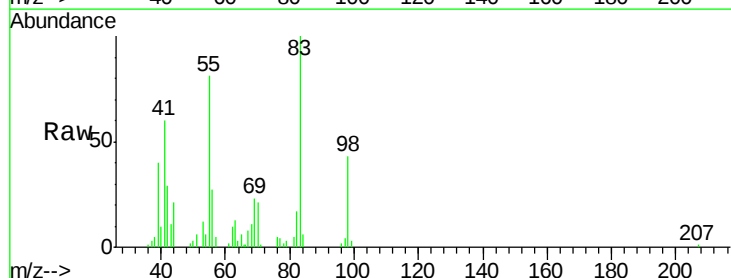
Tgt Ion: 83 Resp: 28269

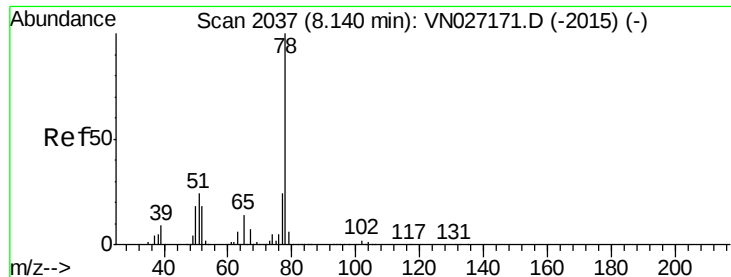
Ion Ratio Lower Upper

83 100

55 79.4 69.8 104.8

98 43.4 34.3 51.5





#41

Benzene

Concen: 2.11 ug/l

RT: 8.14 min Scan# 2038

Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER2015-02

Tot Ion: 78 Resp: 70725

Ion Ratio Lower Upper

78 100

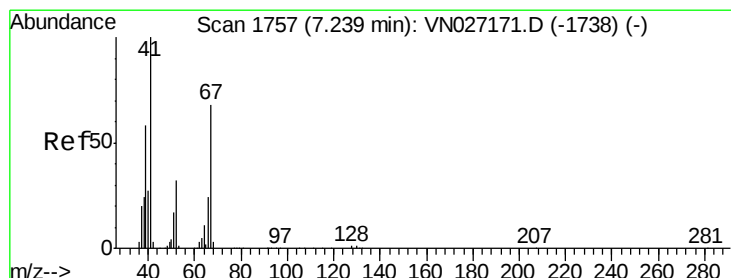
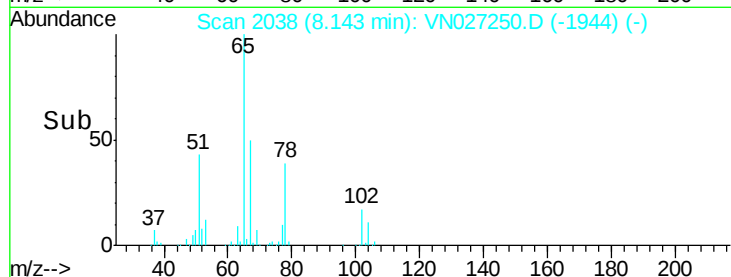
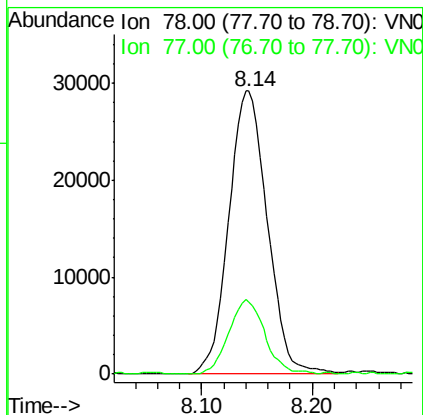
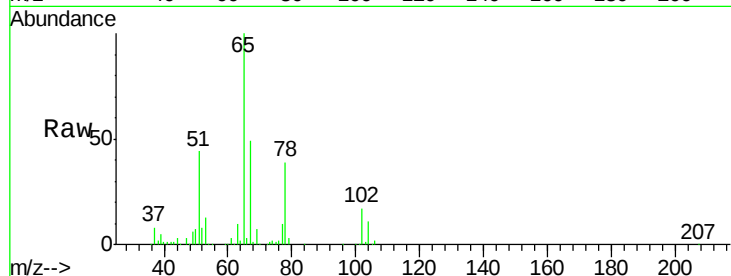
77 25.7 19.0 28.4

Manual Integrations

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MMDadoda

9/18/2015 12:22:44 PM



#42

Methacrylonitrile

Concen: 1.99 ug/l

RT: 7.26 min Scan# 1762

Delta R.T. 0.02 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Tgt Ion: 41 Resp: 11049

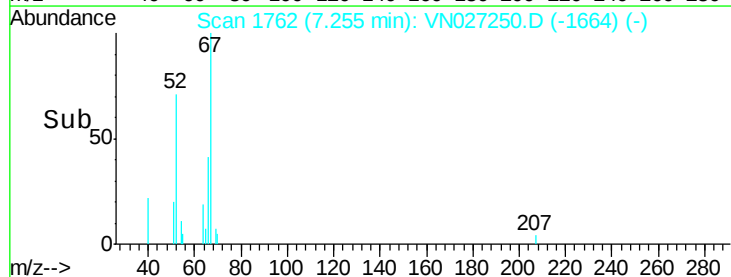
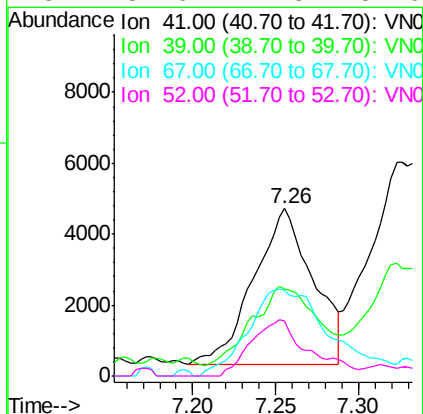
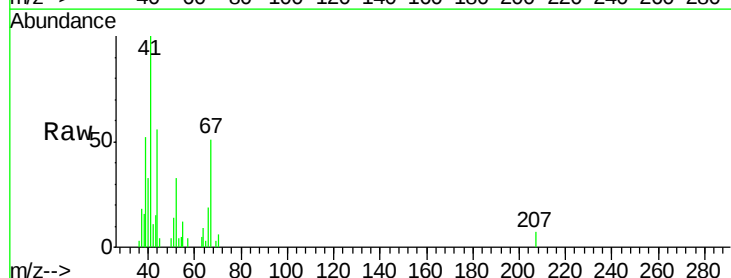
Ion Ratio Lower Upper

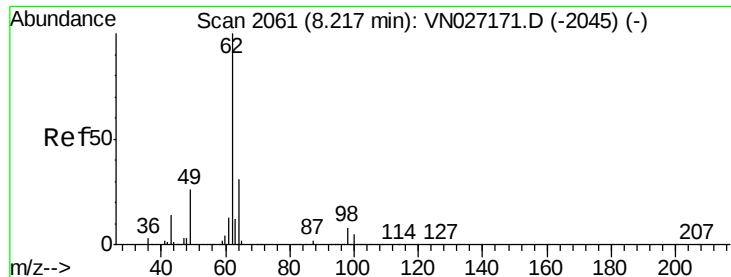
41 100

39 53.7 43.0 64.6

67 76.3 52.2 78.2

52 34.6 21.3 31.9#





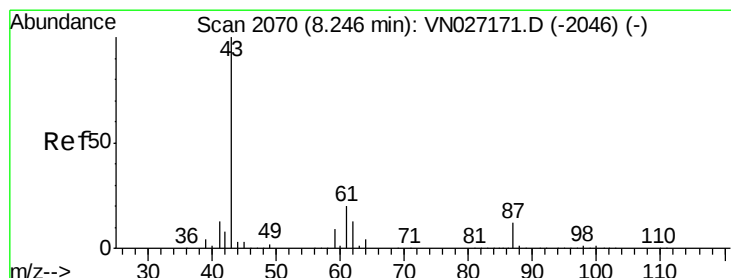
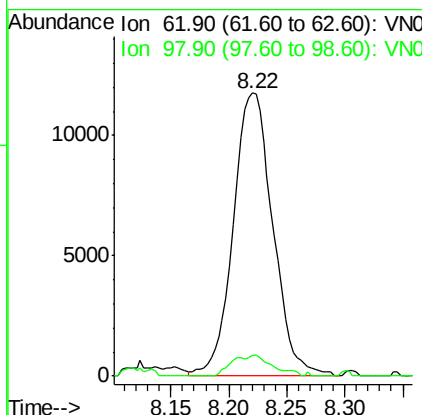
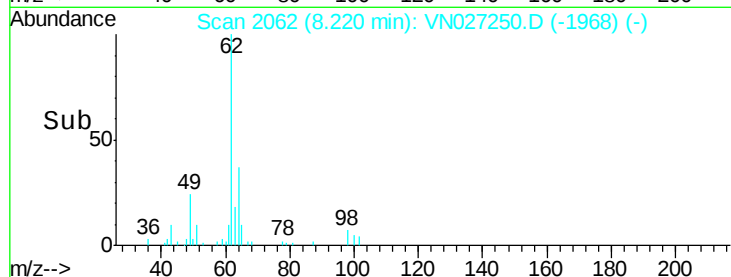
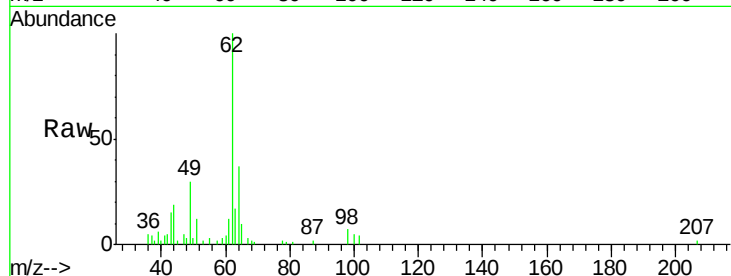
#43
 1,2-Dichloroethane
 Concen: 2.06 ug/l
 RT: 8.22 min Scan# 2062
 Delta R.T. 0.00 min
 Lab File: VN027250.D
 Acq: 17 Sep 2015 12:54

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER2015-02

Tot Ion	Ratio	Resp	Lower	Upper
62	100	27873		
98	2.8	0.0	18.0	

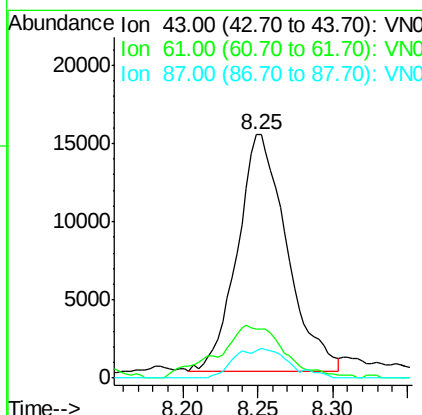
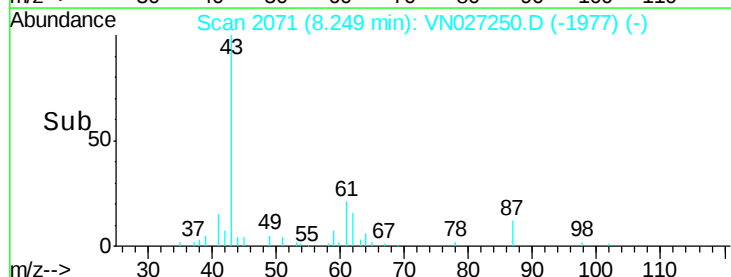
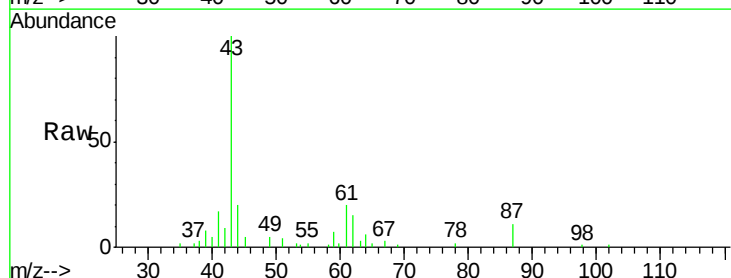
Manual Integrations
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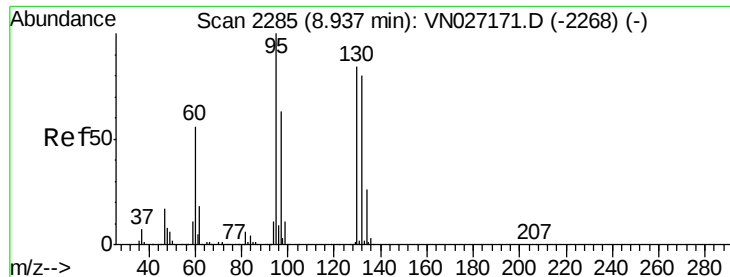
MMDadoda
 9/18/2015 12:22:44 PM



#44
 Isopropyl Acetate
 Concen: 1.88 ug/l
 RT: 8.25 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VN027250.D
 Acq: 17 Sep 2015 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	34627		
61	30.0	20.6	31.0	
87	14.1	8.6	13.0	





#45

Trichloroethene

Concen: 2.01 ug/l

RT: 8.94 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER2015-02

Tot Ion:130 Resp: 13572

Ion Ratio Lower Upper

130 100

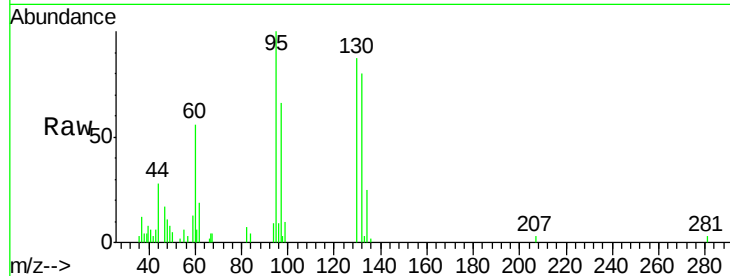
95 115.2 0.0 222.2

Manual Integrations

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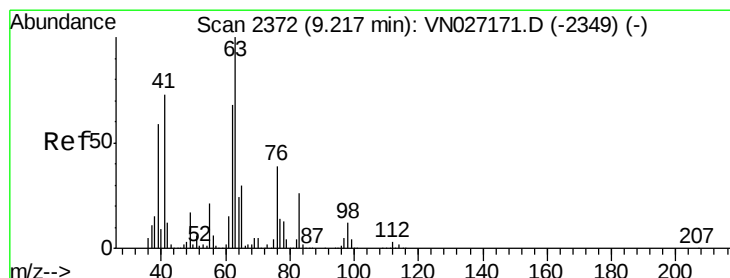
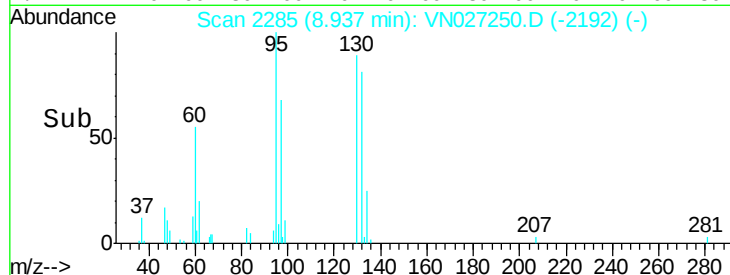
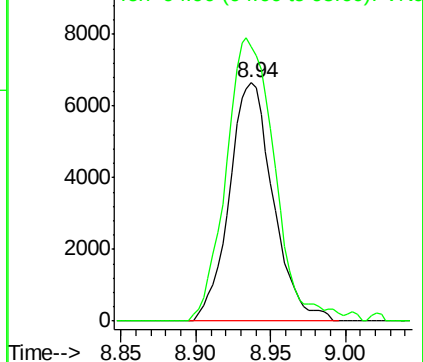
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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VNO



#46

1,2-Dichloropropane

Concen: 2.11 ug/l

RT: 9.21 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN027250.D

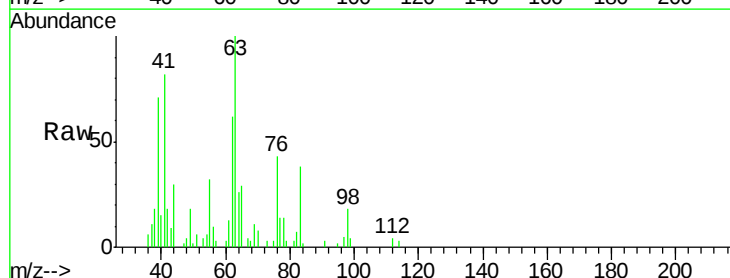
Acq: 17 Sep 2015 12:54

Tgt Ion: 63 Resp: 20395

Ion Ratio Lower Upper

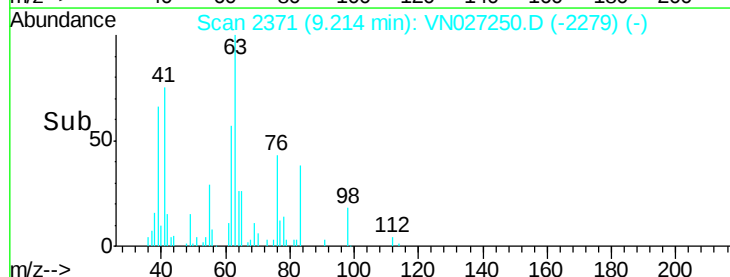
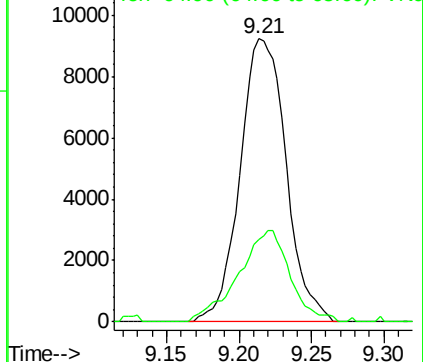
63 100

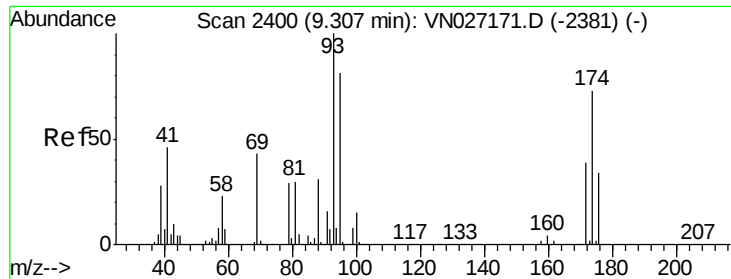
65 29.3 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO





#47

Dibromomethane

Concen: 2.08 ug/l

RT: 9.31 min Scan# 2400

Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Instrument :

MSVOA_N

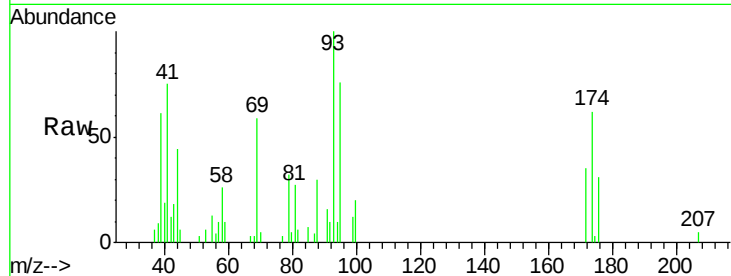
ClientSampleId :

LOQ-WATER2015-02

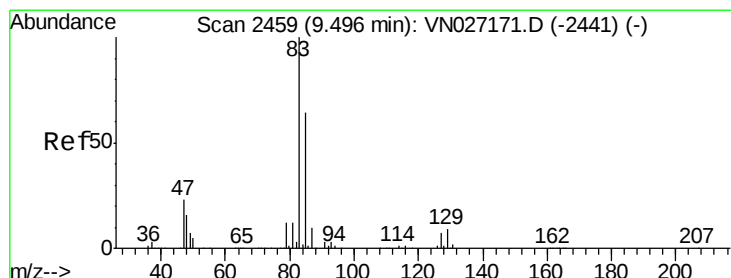
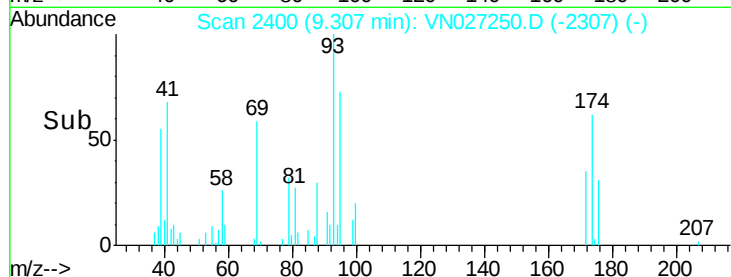
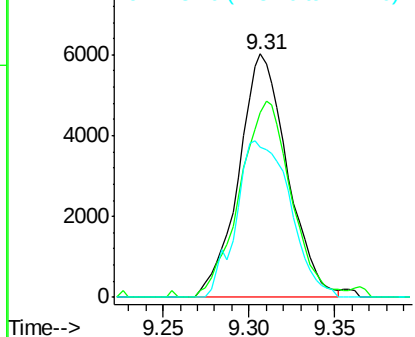
Tot Ion:	93	Resp:	11804
Ion	Ratio	Lower	Upper
93	100		
95	85.4	66.3	99.5
174	71.3	67.8	101.6

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



#48

Bromodichloromethane

Concen: 2.05 ug/l

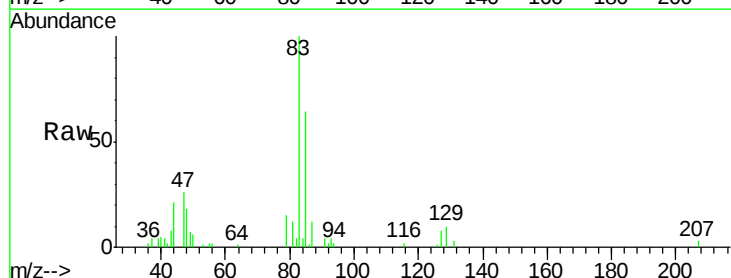
RT: 9.49 min Scan# 2458

Delta R.T. -0.00 min

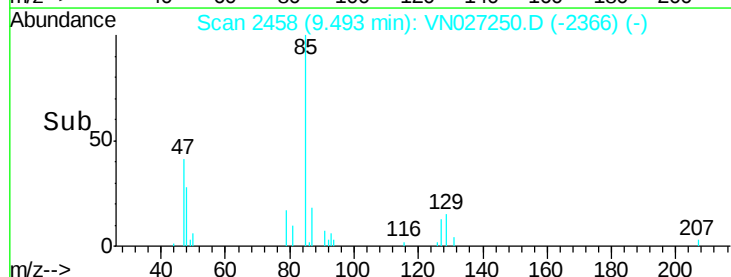
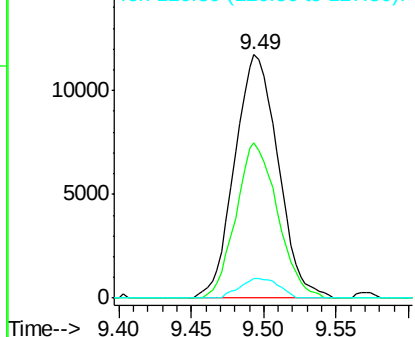
Lab File: VN027250.D

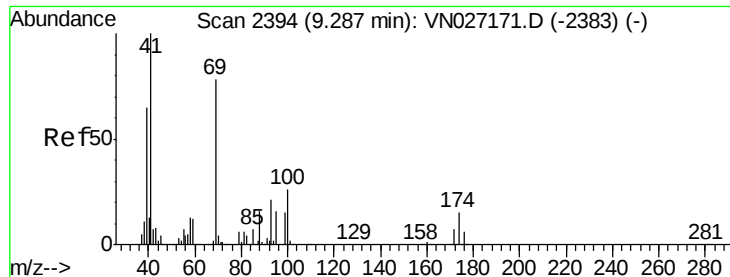
Acq: 17 Sep 2015 12:54

Tgt Ion:	83	Resp:	24462
Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.7	76.1
127	8.1	5.5	8.3



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





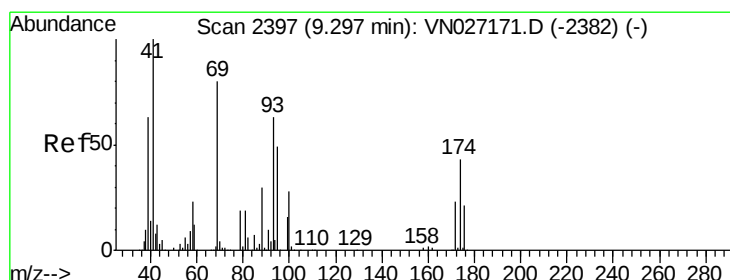
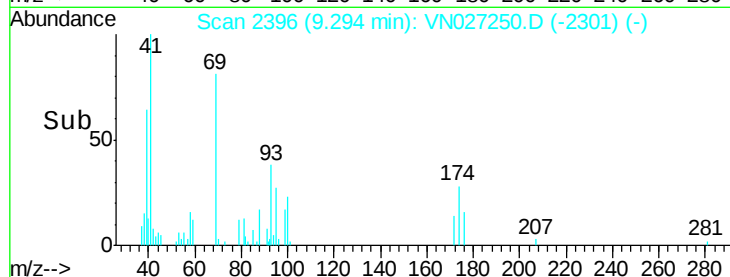
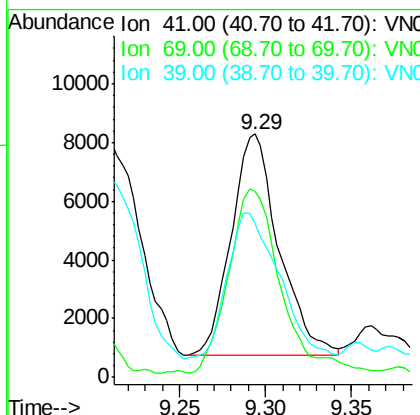
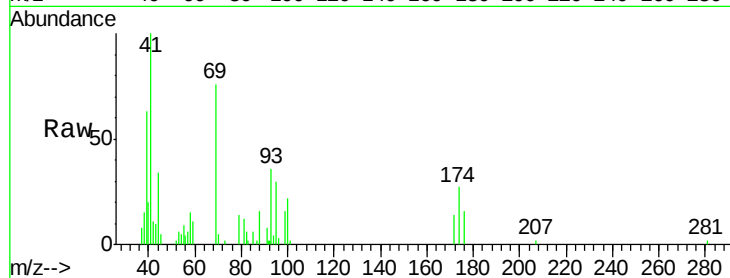
#49
Methvl methacrylate
Concen: 1.57 ug/l
RT: 9.29 min Scan# 2396
Delta R.T. 0.01 min
Lab File: VN027250.D
Acq: 17 Sep 2015 12:54

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER2015-02

Tot Ion	Ratio	Lower	Upper
41	100		
69	91.3	59.3	88.9#
39	71.5	39.5	59.3#

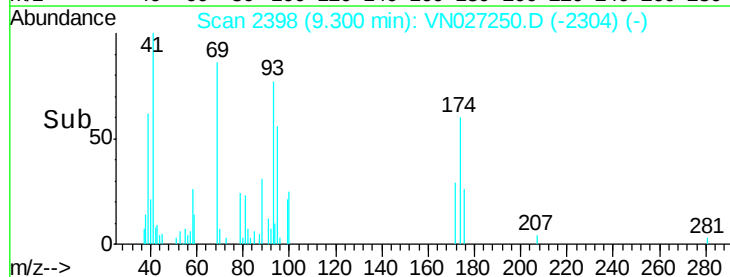
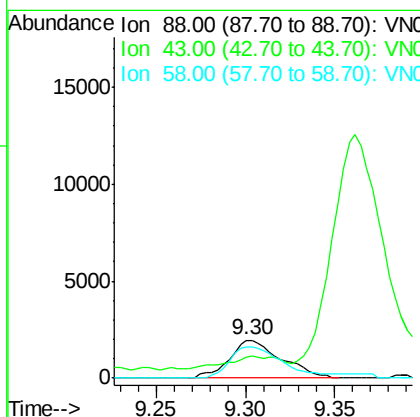
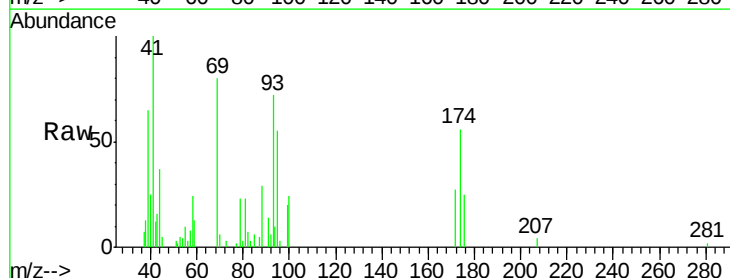
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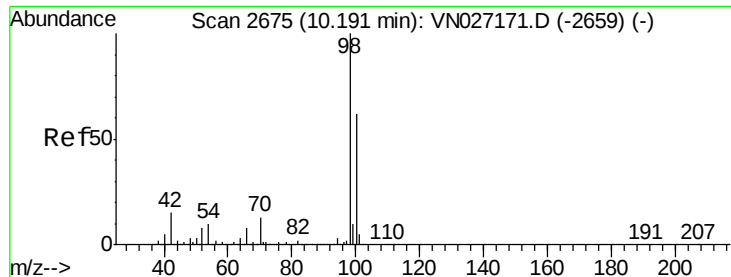
MMDadoda
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#50
1,4-Dioxane
Concen: 36.43 ug/l
RT: 9.30 min Scan# 2398
Delta R.T. 0.00 min
Lab File: VN027250.D
Acq: 17 Sep 2015 12:54

Tgt Ion	Ratio	Lower	Upper
88	100		
43	23.8	27.6	41.4#
58	84.2	63.1	94.7





#51

Toluene-d8

Concen: 47.01 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER2015-02

Tot Ion: 98 Resp: 1255009

Ion Ratio Lower Upper

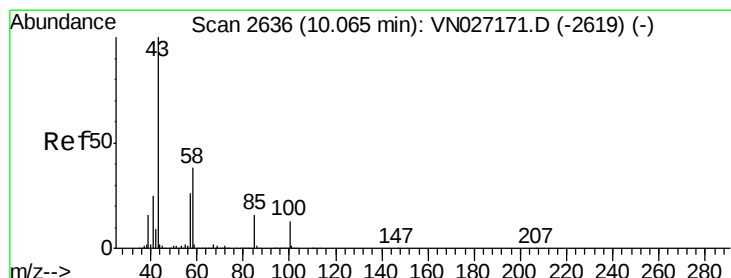
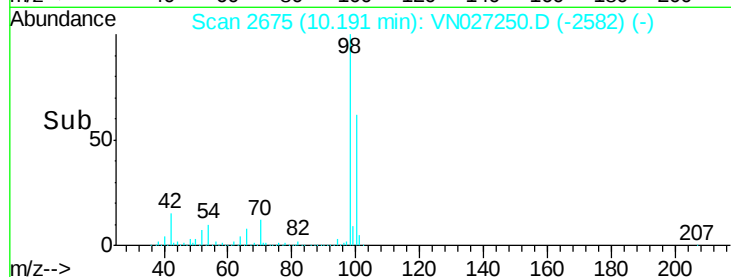
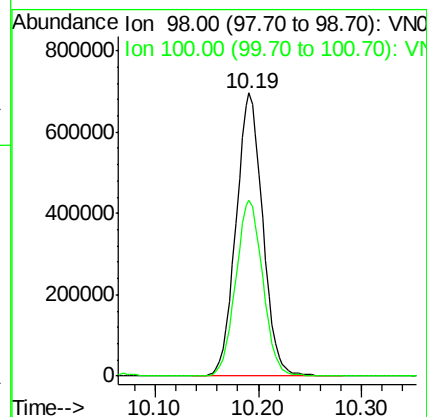
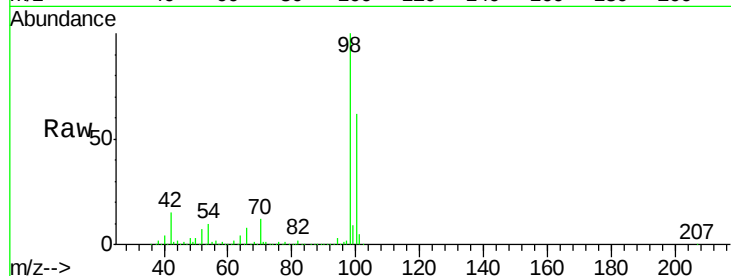
98 100

100 63.1 50.5 75.7

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#52

4-Methyl-2-Pentanone

Concen: 9.97 ug/l

RT: 10.07 min Scan# 2637

Delta R.T. 0.00 min

Lab File: VN027250.D

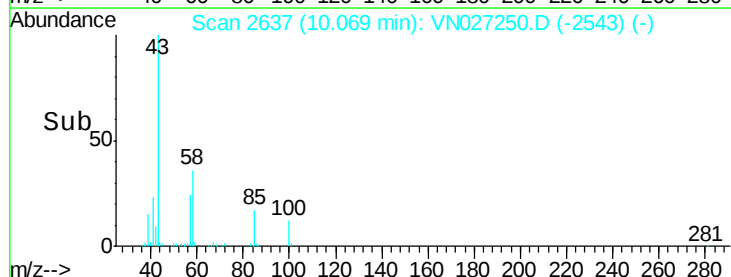
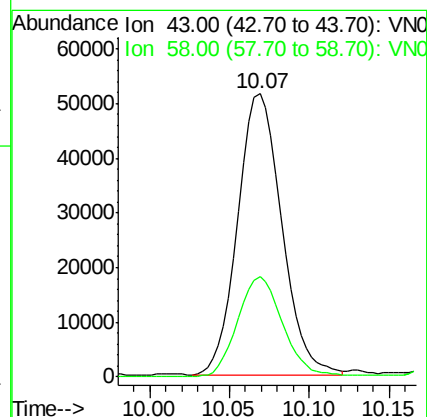
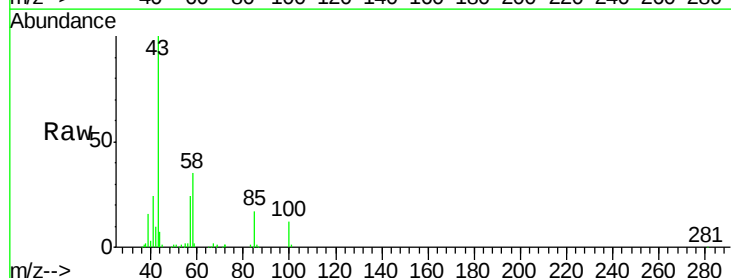
Acq: 17 Sep 2015 12:54

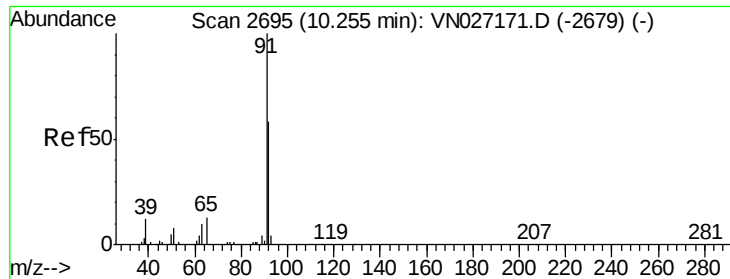
Tgt Ion: 43 Resp: 96963

Ion Ratio Lower Upper

43 100

58 36.6 29.8 44.8





#53

Toluene

Concen: 2.19 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER2015-02

Tot Ion: 92 Resp: 43110

Ion Ratio Lower Upper

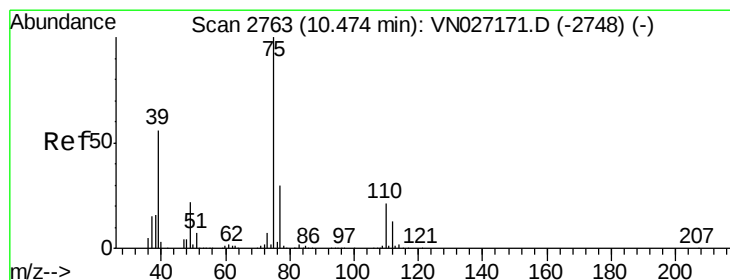
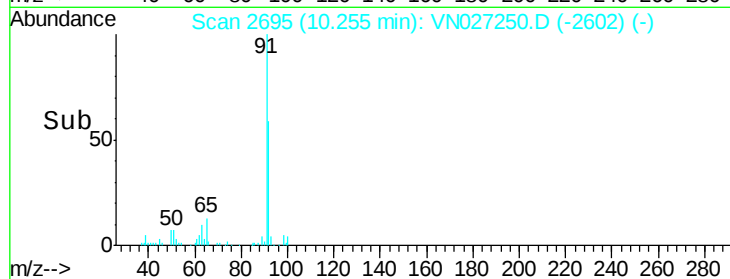
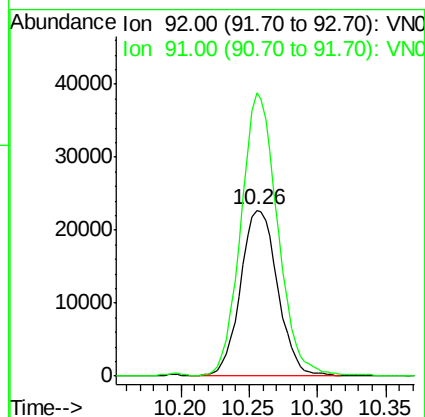
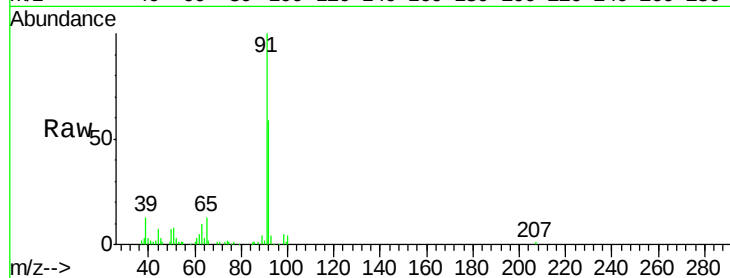
92 100

91 168.6 141.4 212.2

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#54

t-1,3-Dichloropropene

Concen: 1.74 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027250.D

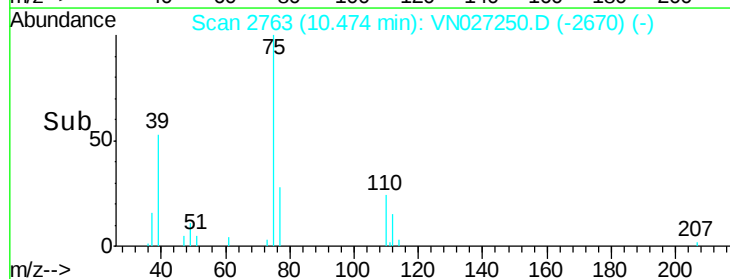
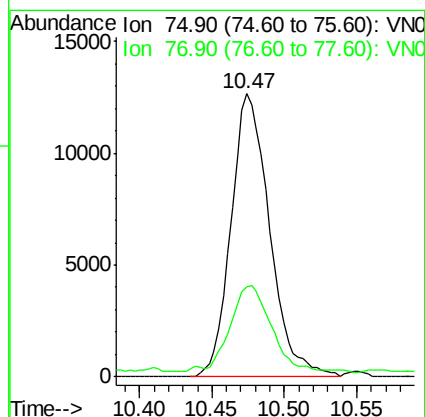
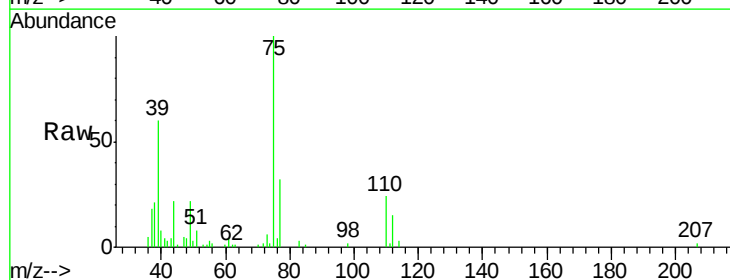
Acq: 17 Sep 2015 12:54

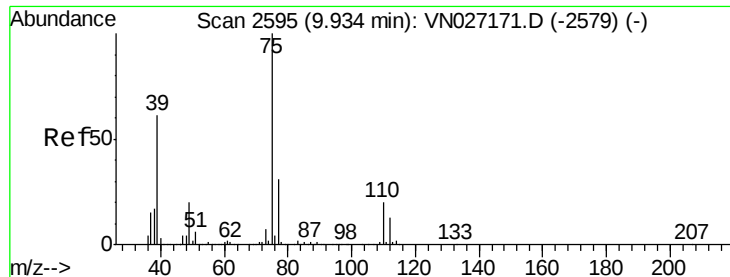
Tgt Ion: 75 Resp: 23434

Ion Ratio Lower Upper

75 100

77 29.7 25.4 38.2





#55

cis-1,3-Dichloropropene

Concen: 1.73 ug/l

RT: 9.94 min Scan# 2596

Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Instrument :

MSVOA_N

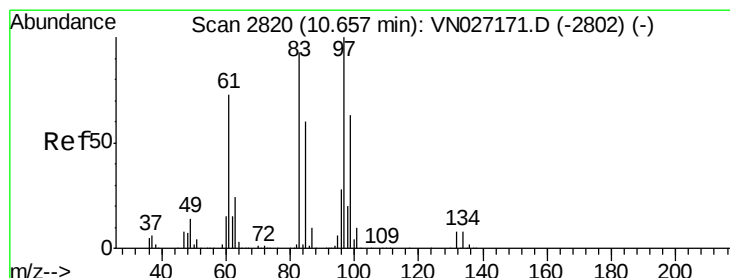
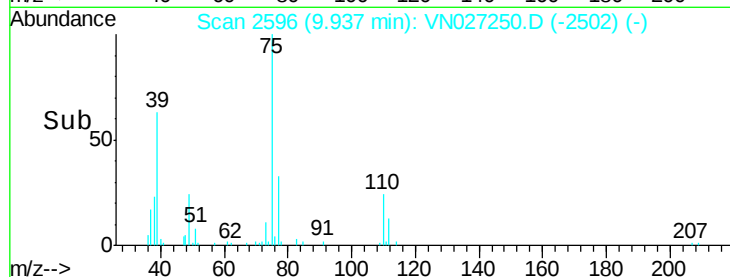
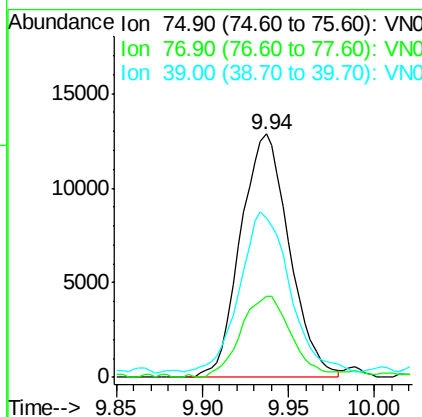
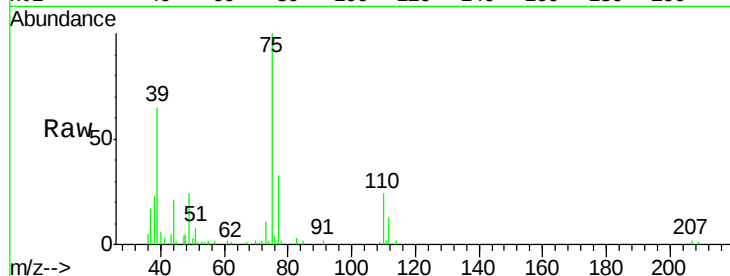
ClientSampleId :

LOQ-WATER2015-02

Tot Ion:	75	Resp:	25276
Ion Ratio	Lower	Upper	
75	100		
77	32.2	25.6	38.4
39	62.5	41.6	62.4#

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#56

1,1,2-Trichloroethane

Concen: 2.21 ug/l

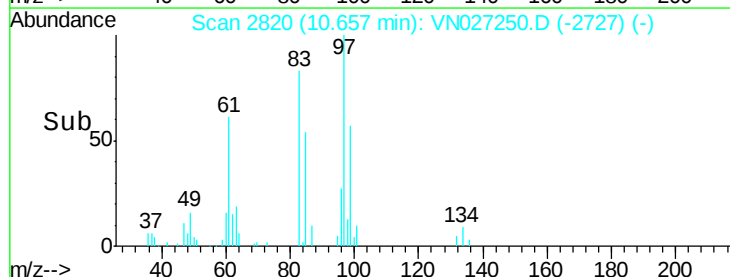
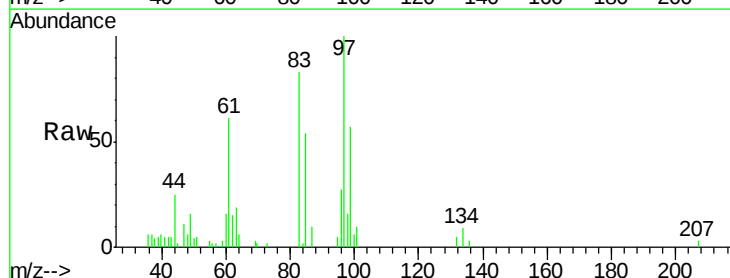
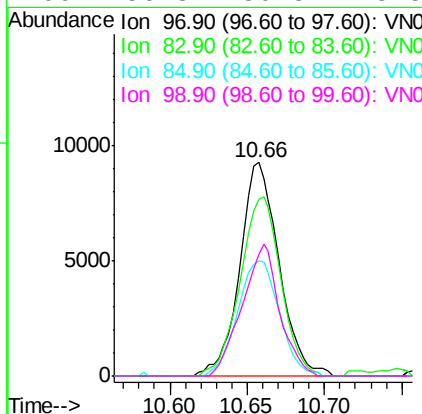
RT: 10.66 min Scan# 2820

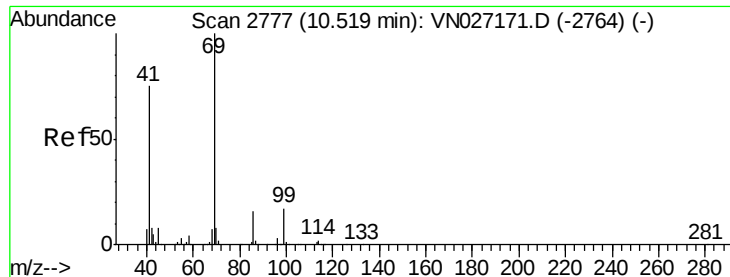
Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Tgt Ion:	97	Resp:	16328
Ion Ratio	Lower	Upper	
97	100		
83	82.9	75.0	112.4
85	54.0	48.0	72.0
99	56.8	50.3	75.5





#57

Ethyl methacrylate

Concen: 1.87 ug/l

RT: 10.52 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Instrument :

MSVOA_N

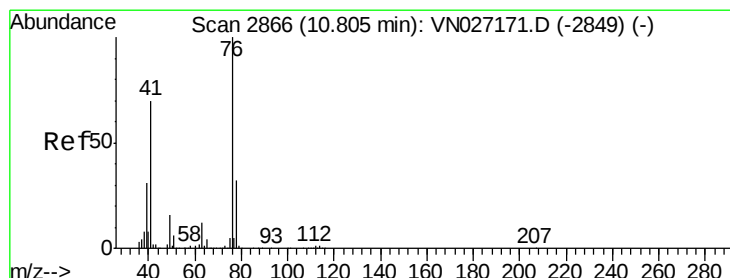
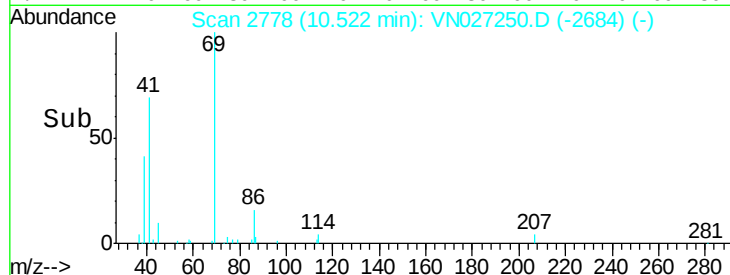
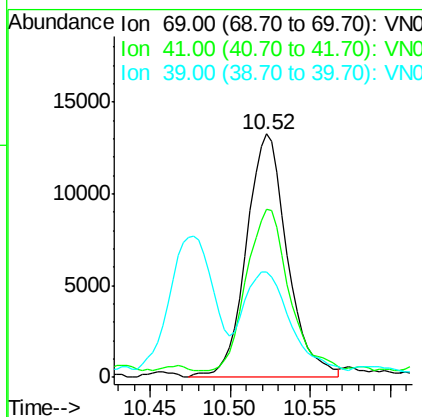
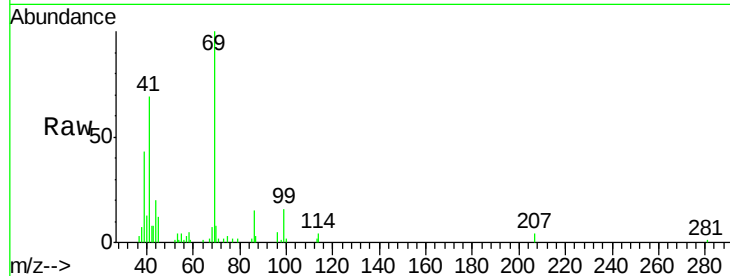
ClientSampleId :

LOQ-WATER2015-02

Tot Ion:	69	Resp:	23262
Ion Ratio	Lower	Upper	
69	100		
41	68.7	61.3	91.9
39	45.3	28.4	42.6#

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#58

1,3-Dichloropropane

Concen: 2.08 ug/l

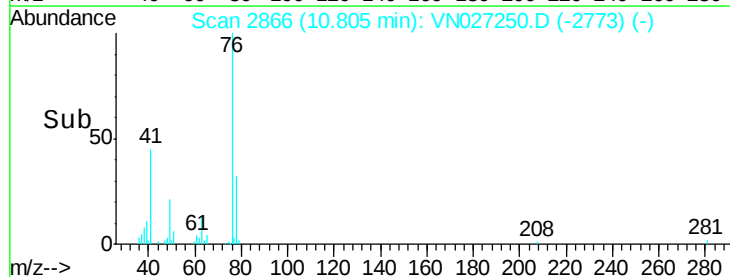
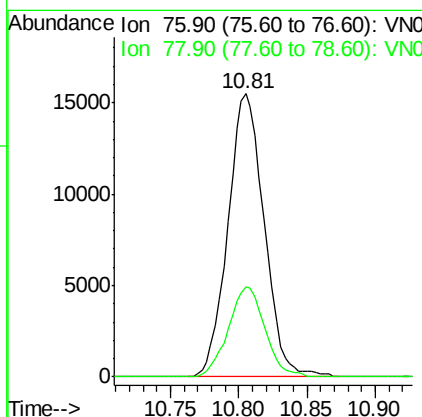
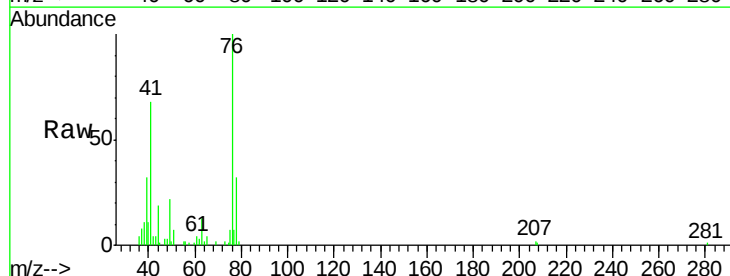
RT: 10.81 min Scan# 2866

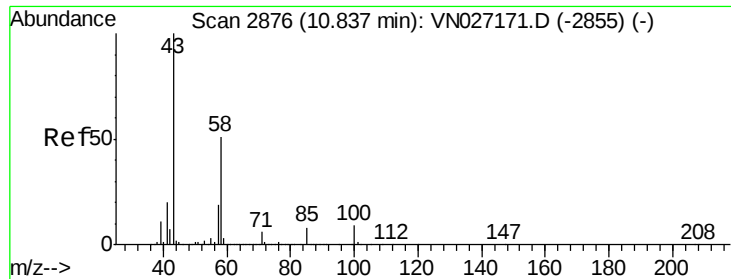
Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Tgt Ion:	76	Resp:	28610
Ion Ratio	Lower	Upper	
76	100		
78	32.1	25.0	37.6





#60

2-Hexanone

Concen: 9.64 ug/l

RT: 10.84 min Scan# 2877

Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER2015-02

Tot Ion: 43 Resp: 63871

Ion Ratio Lower Upper

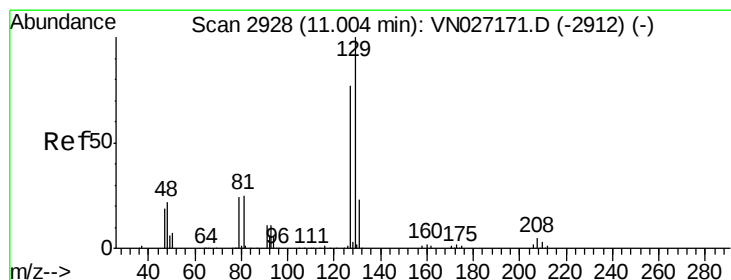
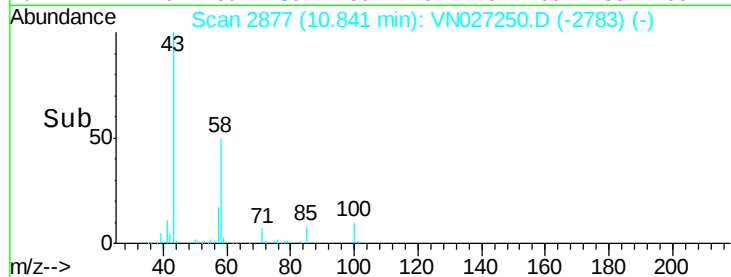
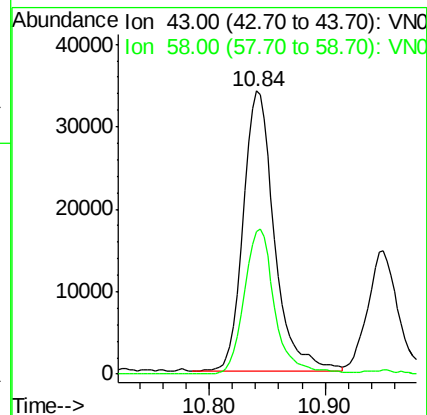
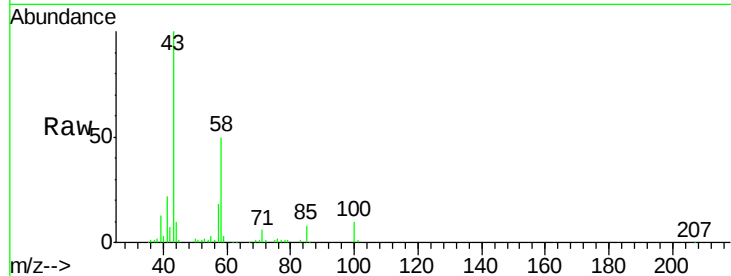
43 100

58 50.4 26.2 78.5

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#61

Dibromochloromethane

Concen: 1.91 ug/l

RT: 11.00 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VN027250.D

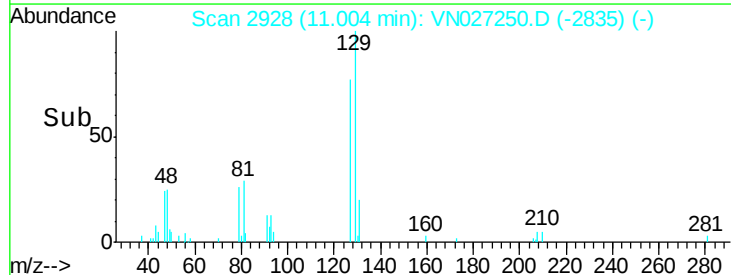
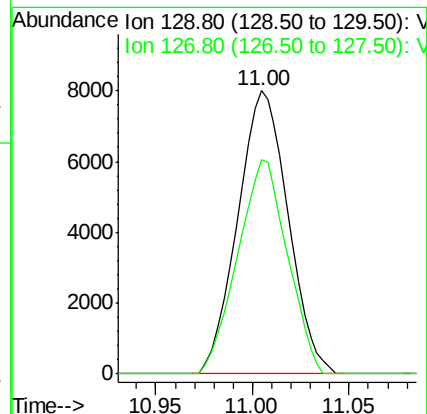
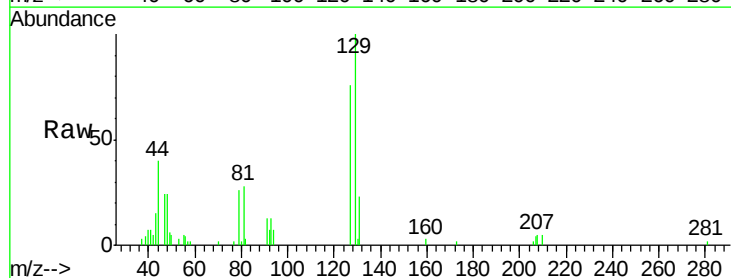
Acq: 17 Sep 2015 12:54

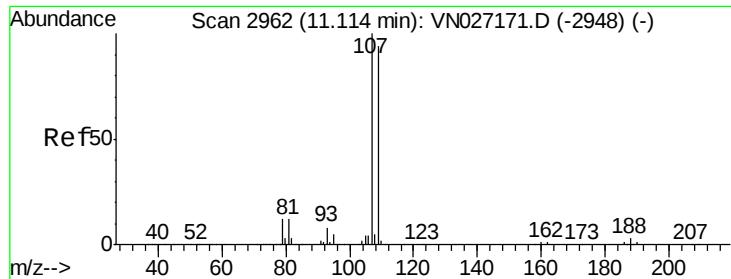
Tgt Ion: 129 Resp: 14459

Ion Ratio Lower Upper

129 100

127 74.8 39.1 117.2





#62

1,2-Dibromoethane

Concen: 1.98 ug/l

RT: 11.11 min Scan# 2961

Delta R.T. -0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER2015-02

Tot Ion: 107 Resp: 14420

Ion Ratio Lower Upper

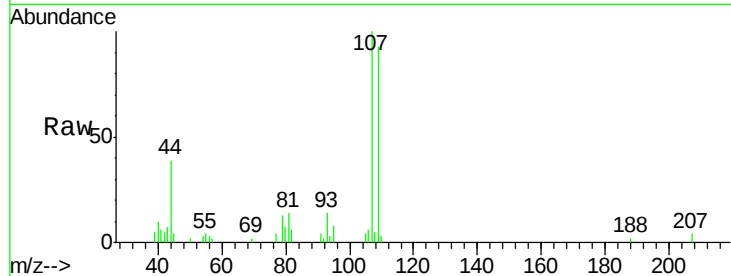
107 100

109 96.5 75.6 113.4

Manual Integrations
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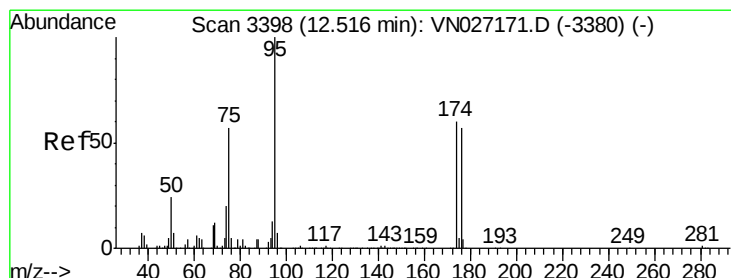
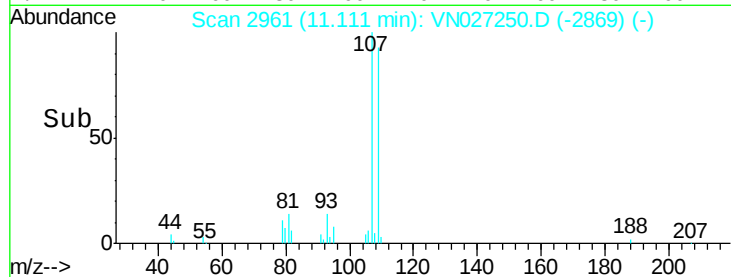
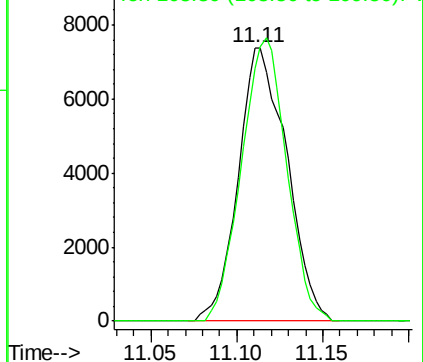
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#63

4-Bromofluorobenzene

Concen: 43.11 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

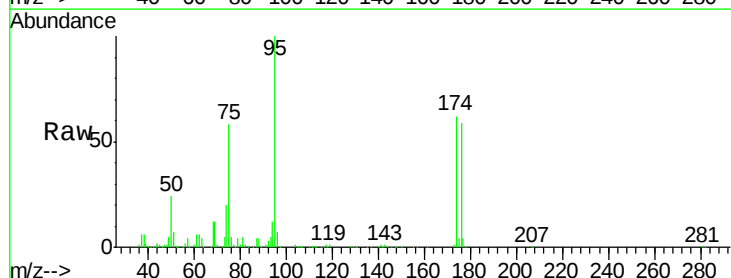
Tgt Ion: 95 Resp: 408513

Ion Ratio Lower Upper

95 100

174 63.4 0.0 137.0

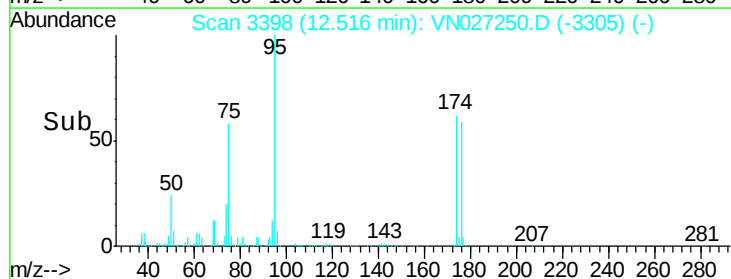
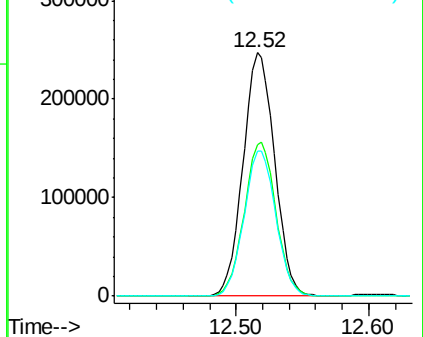
176 60.2 0.0 130.8

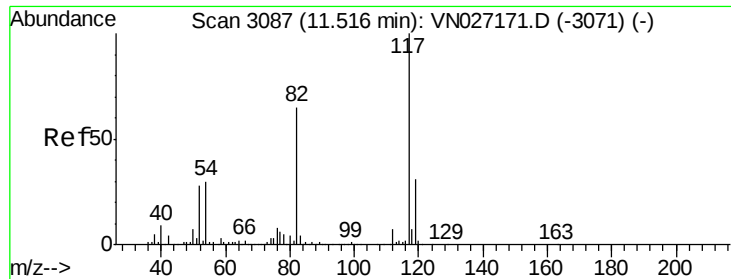


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





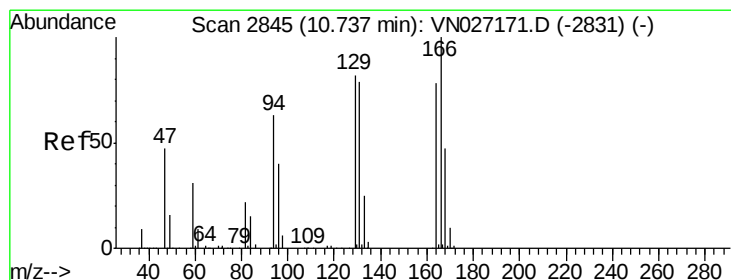
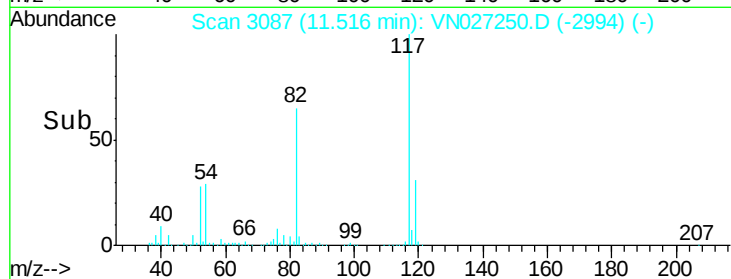
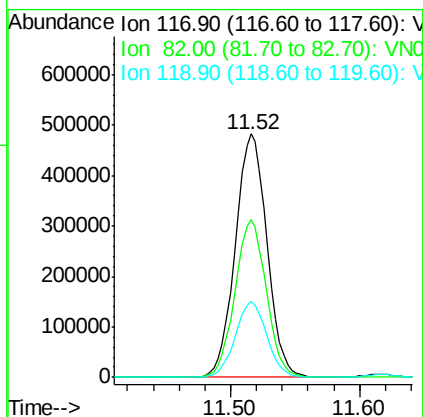
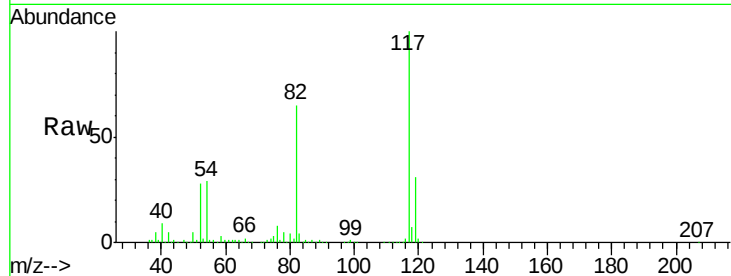
#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027250.D
Acq: 17 Sep 2015 12:54

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER2015-02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	821758		
82	64.6		49.6	74.4
119	31.1		24.6	36.8

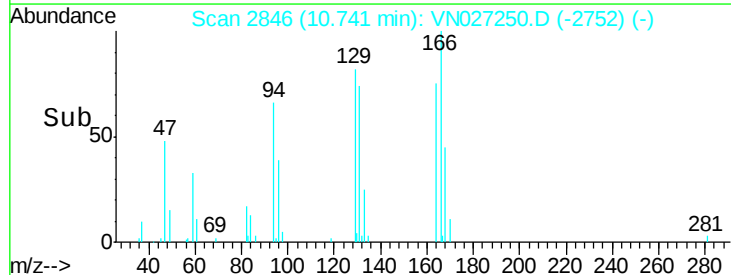
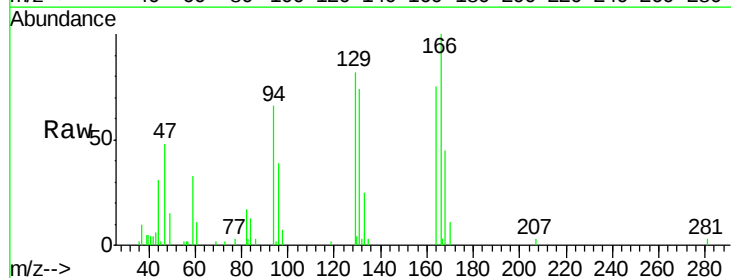
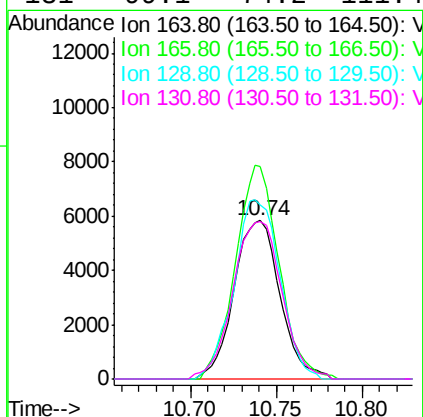
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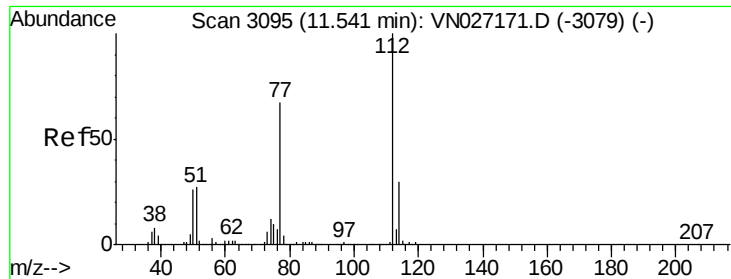
MMDadoda
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#65
Tetrachloroethene
Concen: 2.07 ug/l
RT: 10.74 min Scan# 2846
Delta R.T. 0.00 min
Lab File: VN027250.D
Acq: 17 Sep 2015 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	10893		
166	133.5		103.4	155.0
129	110.0		77.5	116.3
131	99.1		74.2	111.4





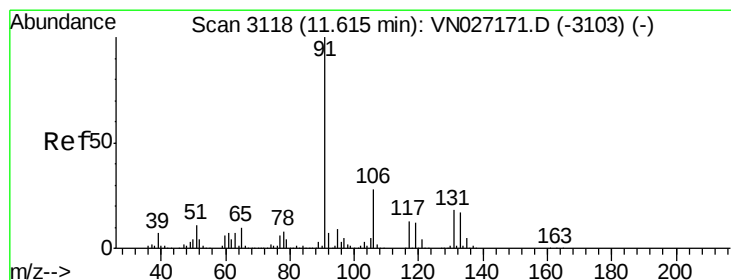
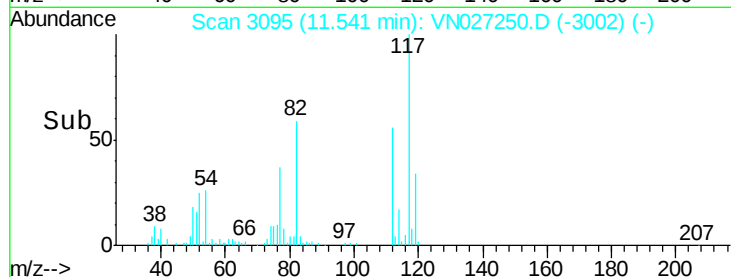
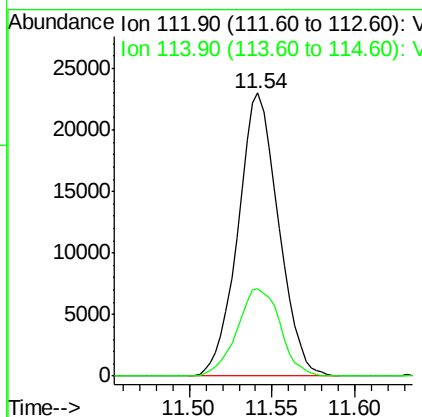
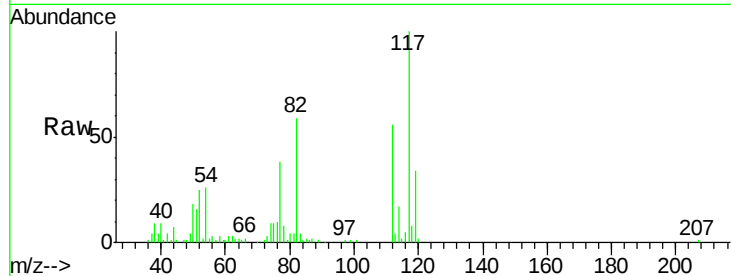
#66
Chlorobenzene
Concen: 2.02 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VN027250.D
Acq: 17 Sep 2015 12:54

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER2015-02

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.9	24.9	37.3

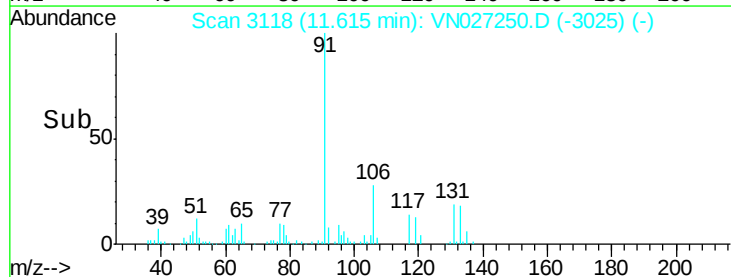
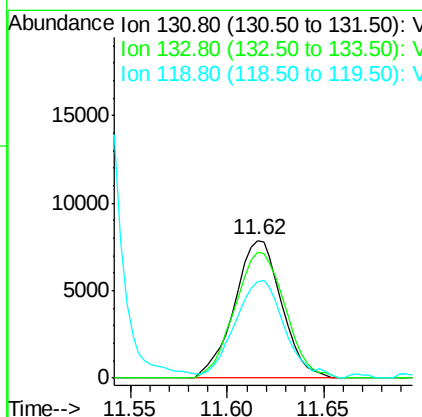
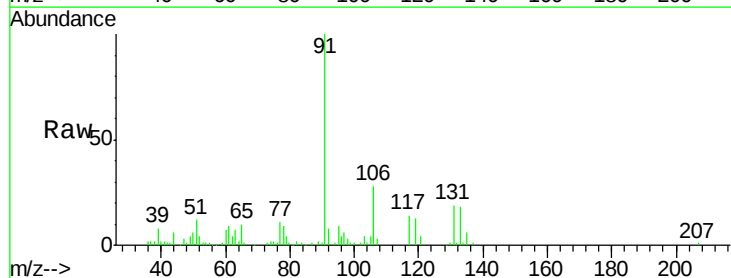
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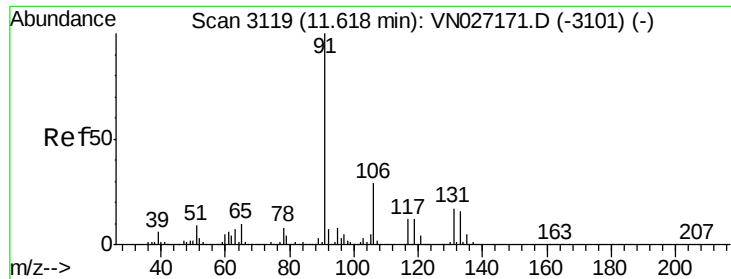
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#67
1,1,1,2-Tetrachloroethane
Concen: 2.03 ug/l
RT: 11.62 min Scan# 3118
Delta R.T. 0.00 min
Lab File: VN027250.D
Acq: 17 Sep 2015 12:54

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.1	47.0	141.2
119	74.5	35.1	105.5





#68

Ethyl Benzene

Concen: 2.01 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER2015-02

Tot Ion: 91 Resp: 74052

Ion Ratio Lower Upper

91 100

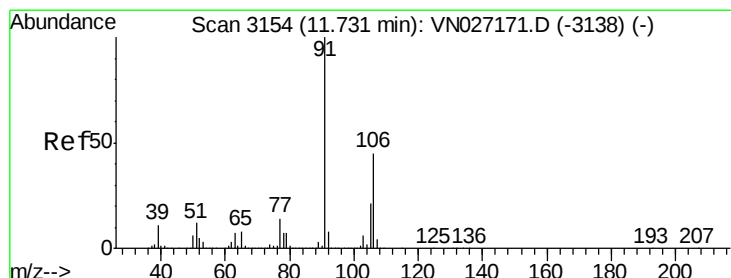
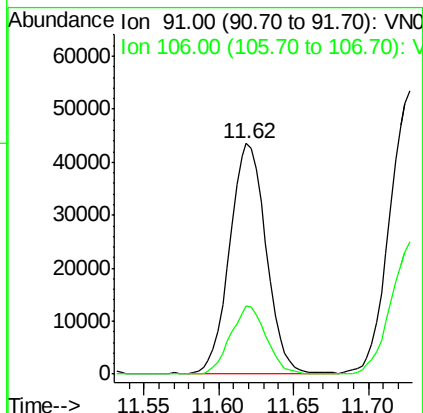
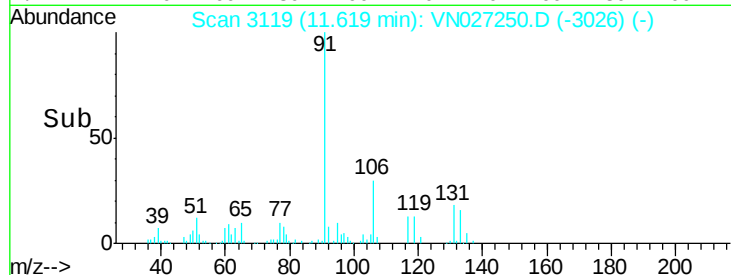
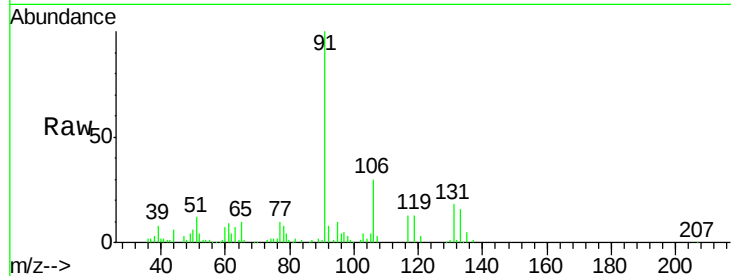
106 29.5 23.1 34.7

Manual Integrations

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#69

m/p-Xylenes

Concen: 3.93 ug/l

RT: 11.73 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VN027250.D

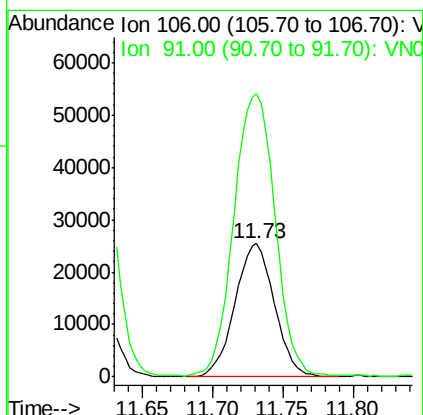
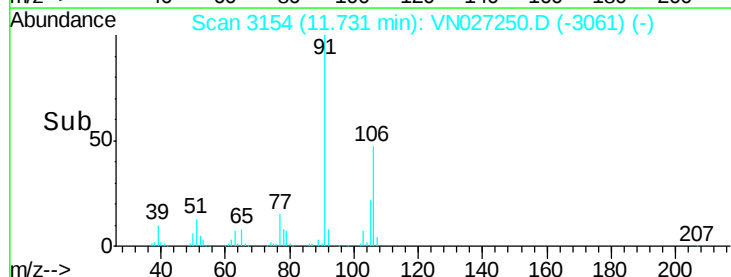
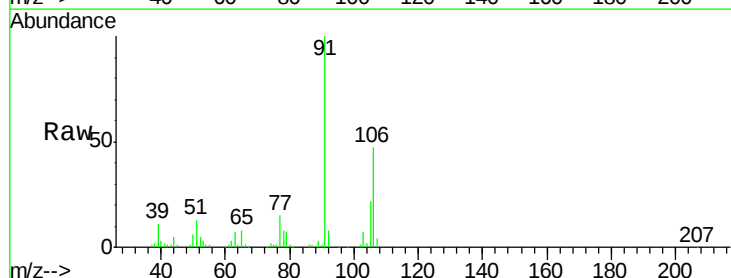
Acq: 17 Sep 2015 12:54

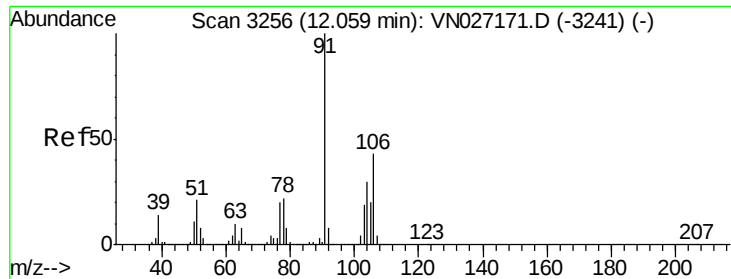
Tgt Ion: 106 Resp: 49904

Ion Ratio Lower Upper

106 100

91 220.5 167.1 250.7





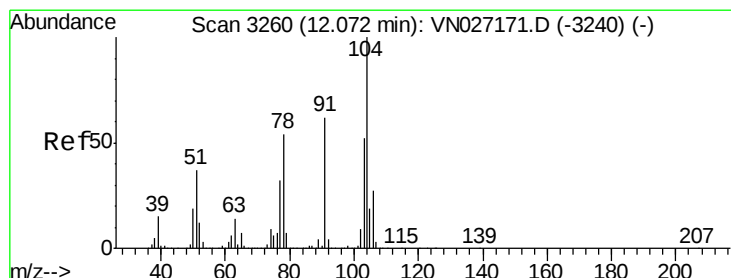
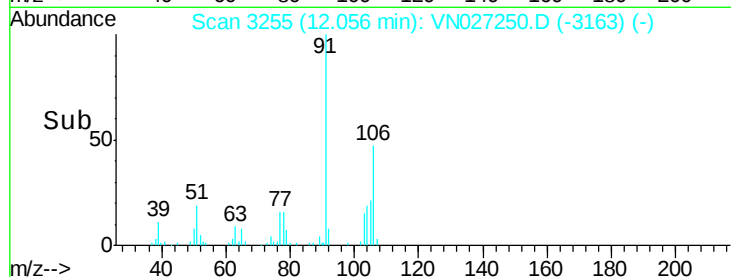
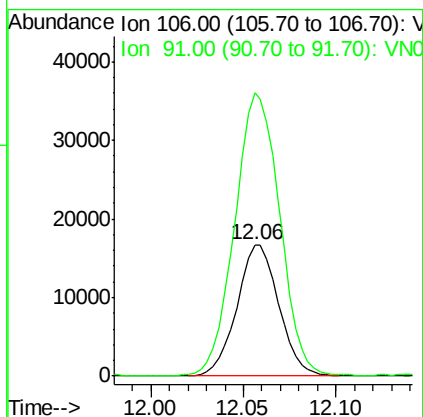
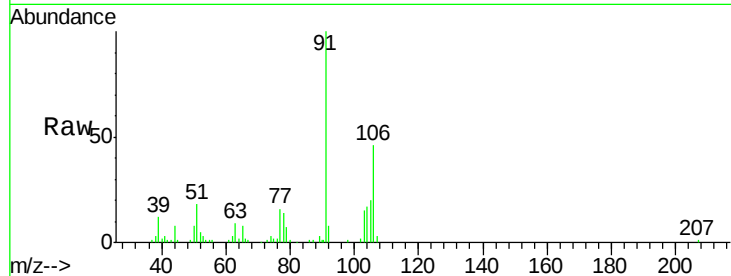
#70
o-Xylene
Concen: 2.07 ug/l
RT: 12.06 min Scan# 3255
Delta R.T. -0.00 min
Lab File: VN027250.D
Acq: 17 Sep 2015 12:54

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER2015-02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		26289		
91	232.5	110.7	331.9		

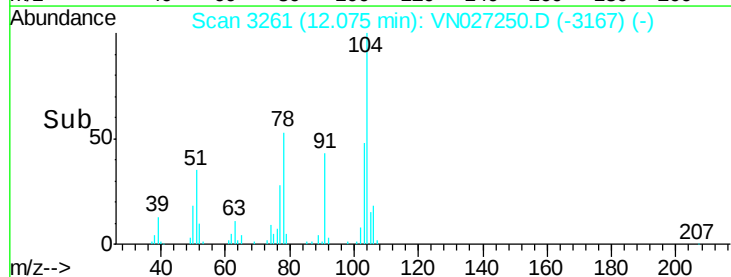
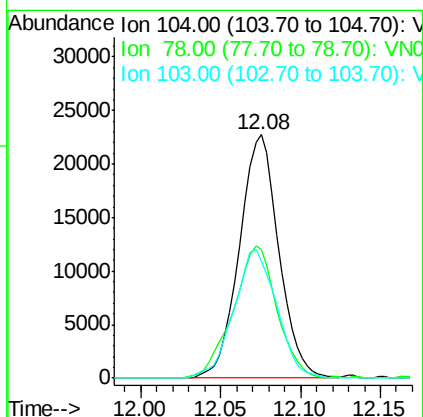
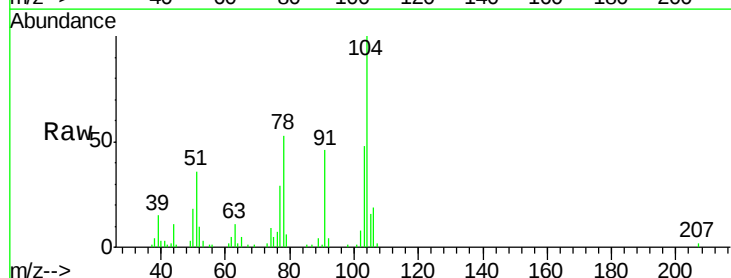
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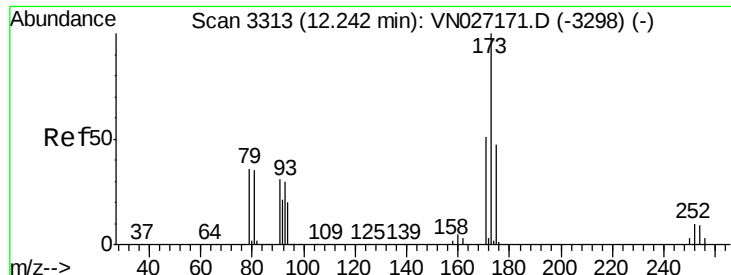
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#71
Styrene
Concen: 1.85 ug/l
RT: 12.08 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN027250.D
Acq: 17 Sep 2015 12:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		38101		
78	60.1	41.6	62.4		
103	57.5	44.2	66.2		





#72

Bromoform

Concen: 1.92 ug/l

RT: 12.24 min Scan# 3313

Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER2015-02

Tot Ion:173 Resp: 8819

Ion Ratio Lower Upper

173 100

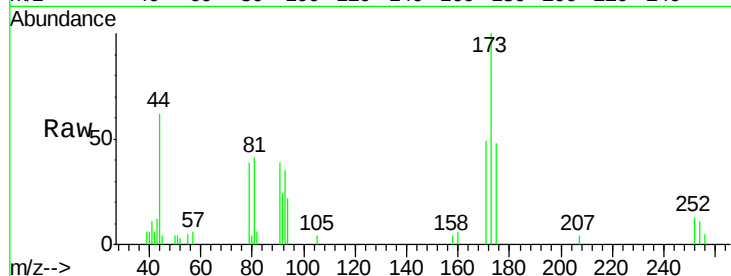
175 49.8 24.4 73.4

254 0.0 0.1 0.1#

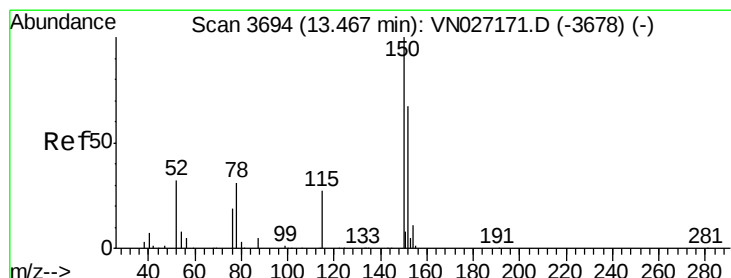
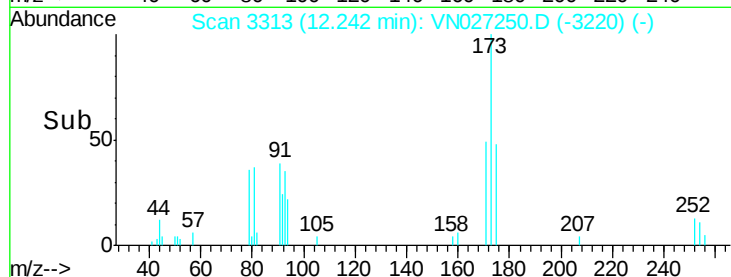
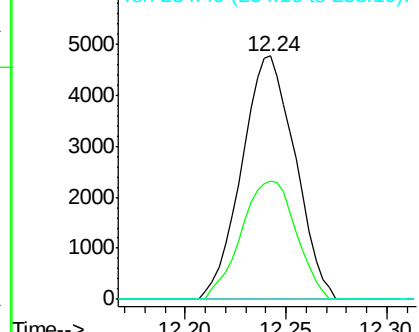
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

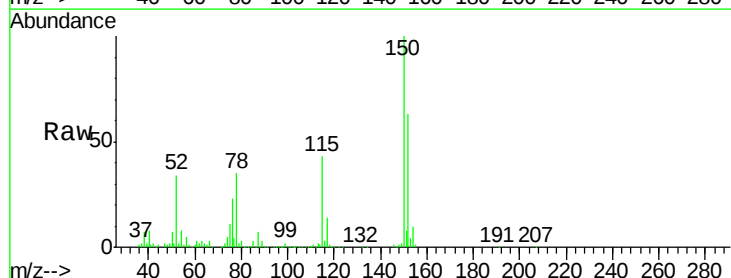
Tgt Ion:152 Resp: 278969

Ion Ratio Lower Upper

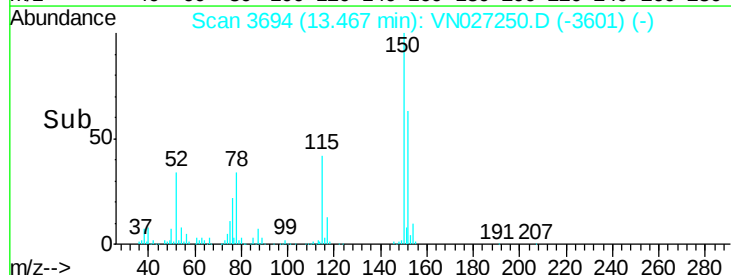
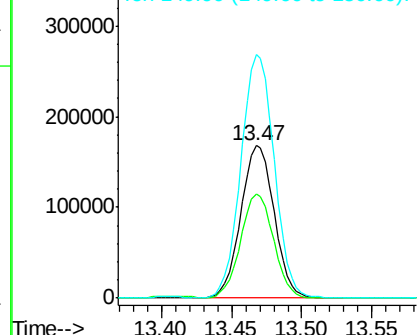
152 100

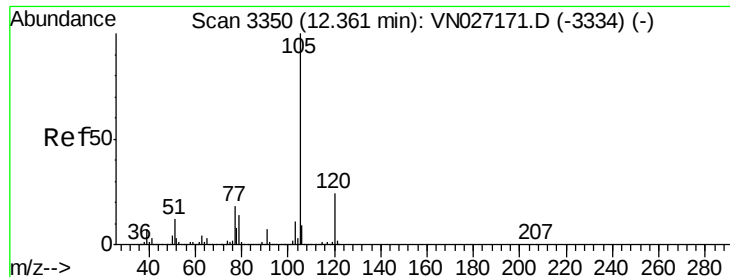
115 67.2 30.8 92.3

150 158.9 0.0 345.0



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: 2.19 ug/l

RT: 12.36 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER2015-02

Tot Ion: 105 Resp: 67268

Ion Ratio Lower Upper

105 100

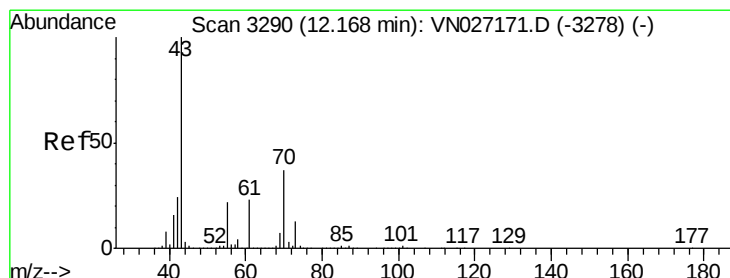
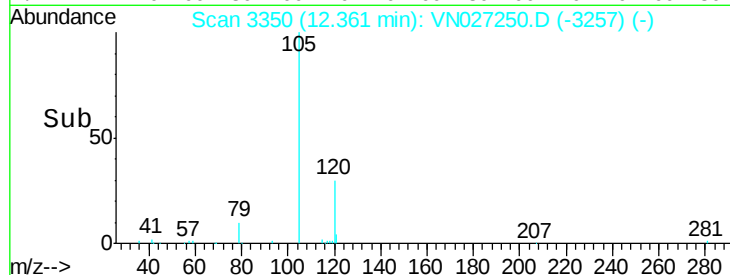
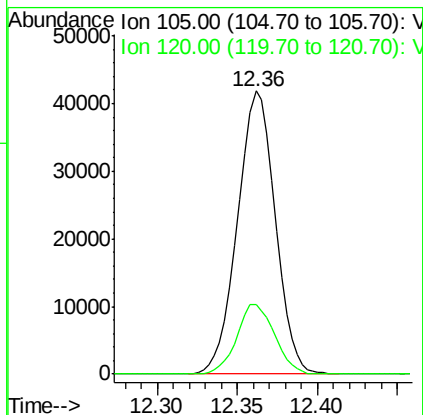
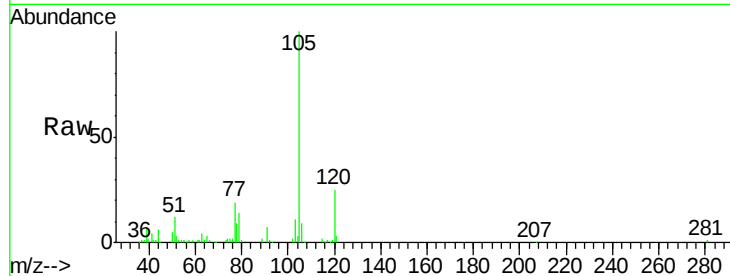
120 24.6 12.4 37.2

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#75

N-ethyl acetate

Concen: 1.83 ug/l

RT: 12.17 min Scan# 3291

Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Tgt Ion: 43 Resp: 25081

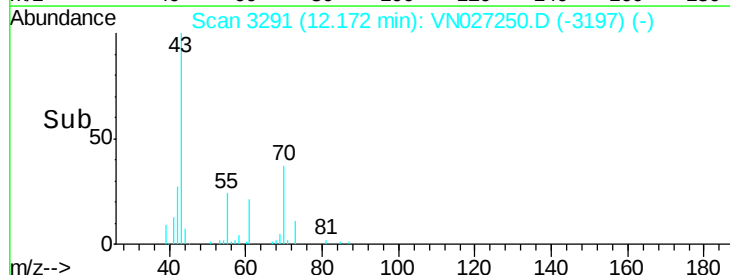
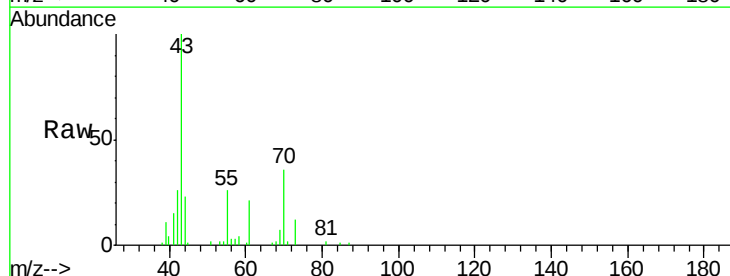
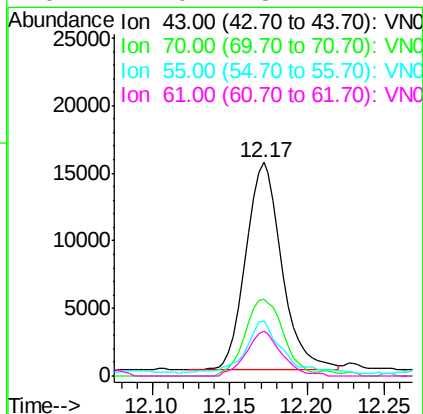
Ion Ratio Lower Upper

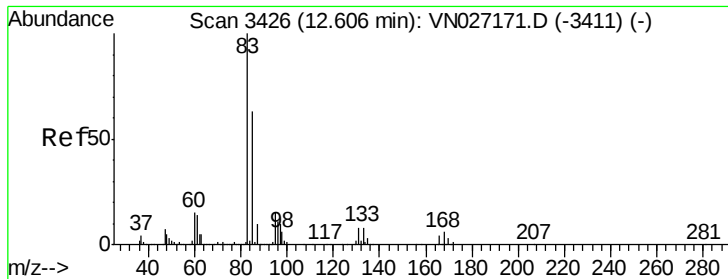
43 100

70 39.3 29.8 44.8

55 27.2 19.4 29.0

61 21.0 18.2 27.2





#76

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.61 min Scan# 3426

Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Instrument :

MSVOA_N

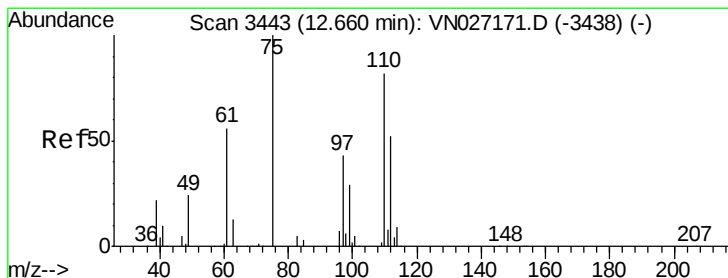
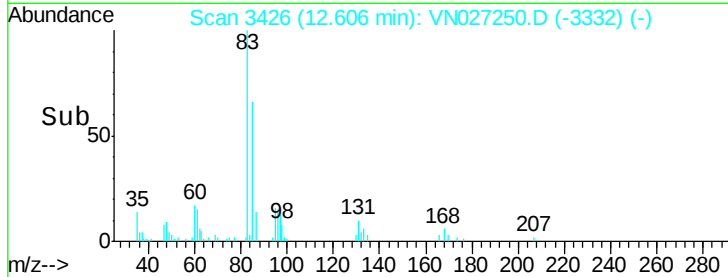
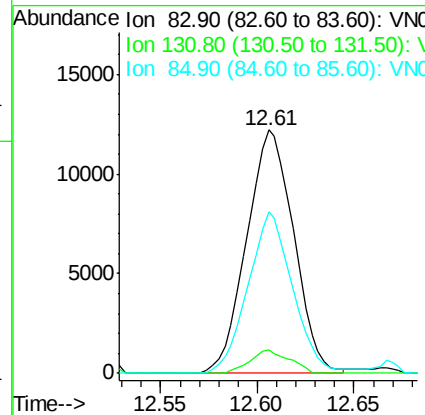
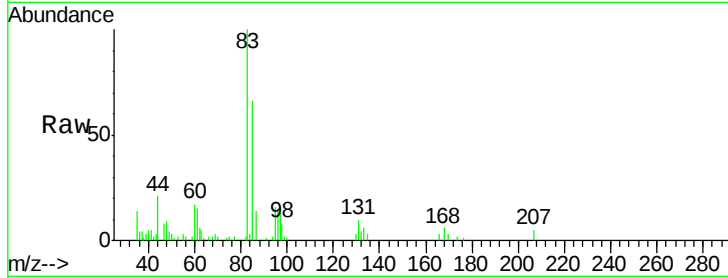
ClientSampleId :

LOQ-WATER2015-02

Tot Ion:	83	Resp:	20668
Ion Ratio	Lower	Upper	
83	100		
131	7.9	4.1	12.3
85	63.2	31.9	95.7

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#77

1,2,3-Trichloropropane

Concen: 2.54 ug/l m

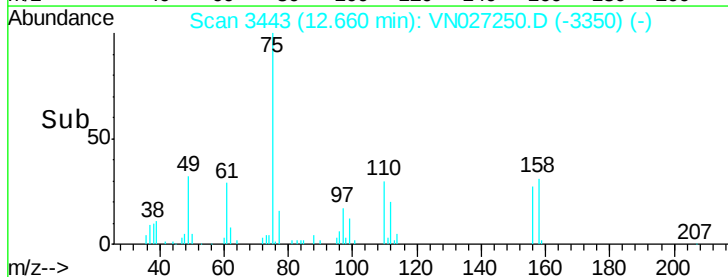
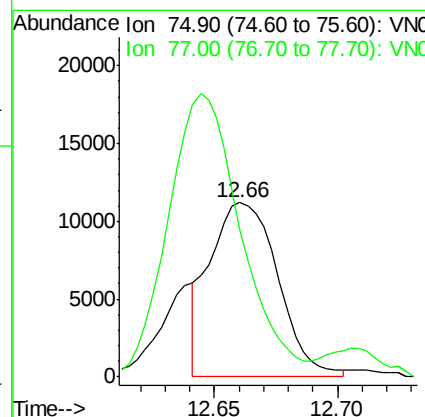
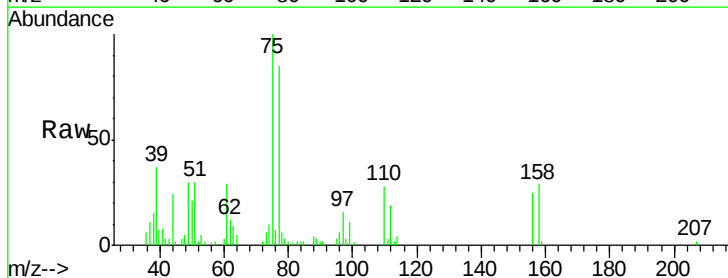
RT: 12.66 min Scan# 3443

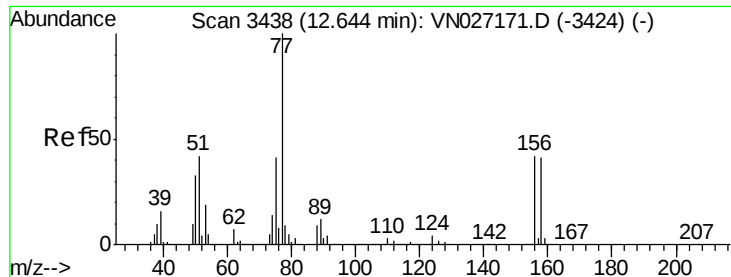
Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Tgt Ion:	75	Resp:	21401
Ion Ratio	Lower	Upper	
75	100		
77	173.8	103.1	309.3





#78

Bromobenzene

Concen: 2.12 ug/l

RT: 12.64 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER2015-02

Tot Ion:156 Resp: 12755

Ion Ratio Lower Upper

156 100

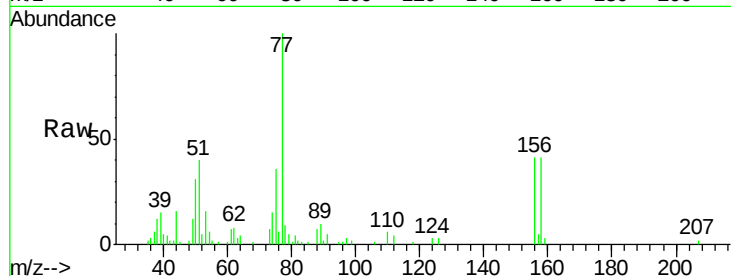
77 291.6 127.3 381.9

158 99.6 48.0 144.2

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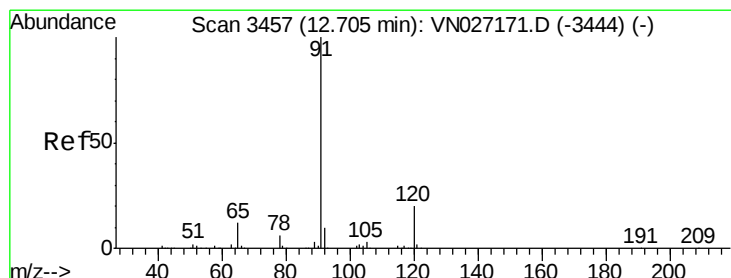
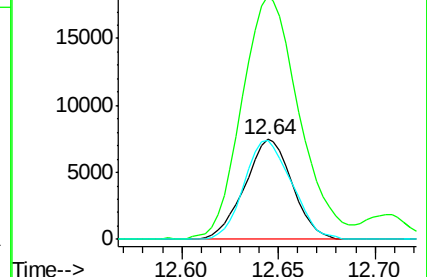
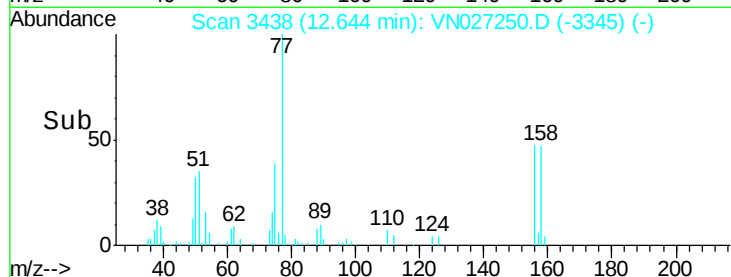
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#79

n-propylbenzene

Concen: 2.00 ug/l

RT: 12.71 min Scan# 3457

Delta R.T. 0.00 min

Lab File: VN027250.D

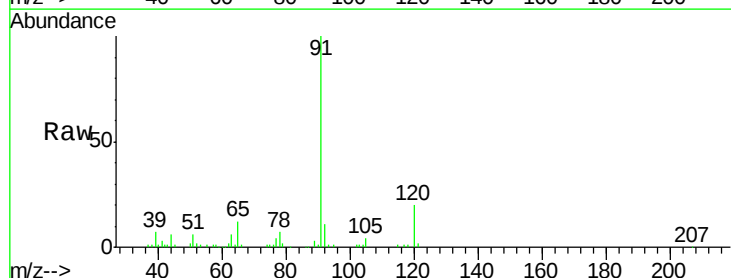
Acq: 17 Sep 2015 12:54

Tgt Ion: 91 Resp: 72159

Ion Ratio Lower Upper

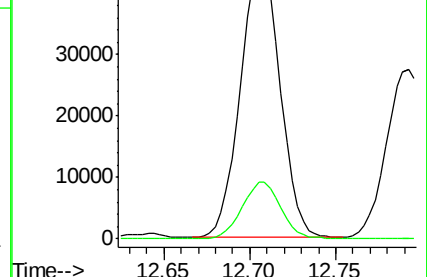
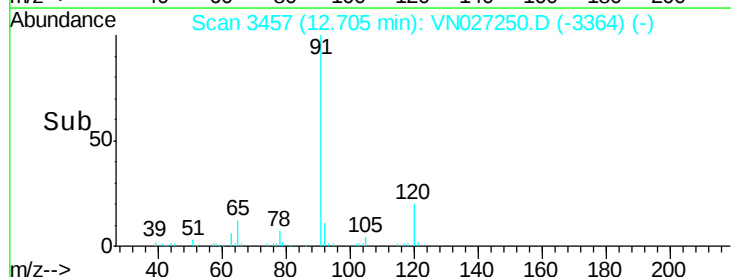
91 100

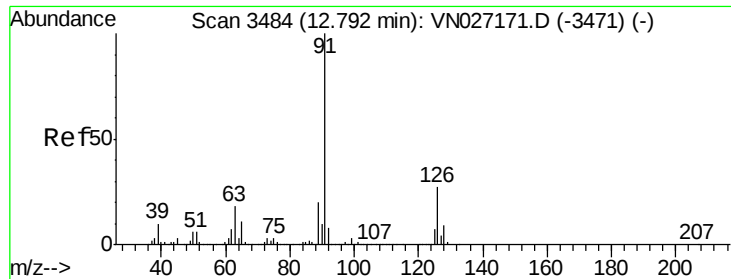
120 20.0 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#80

2-Chlorotoluene

Concen: 2.14 ug/l

RT: 12.79 min Scan# 3484

Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER2015-02

Tot Ion: 91 Resp: 46375

Ion Ratio Lower Upper

91 100

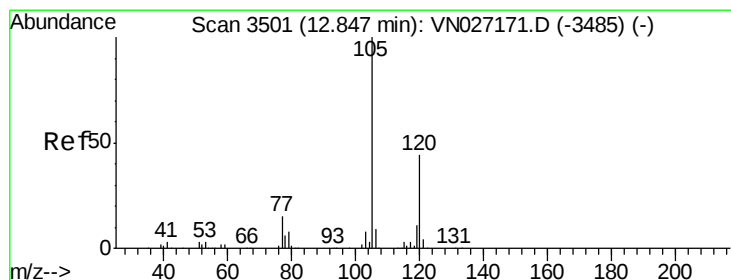
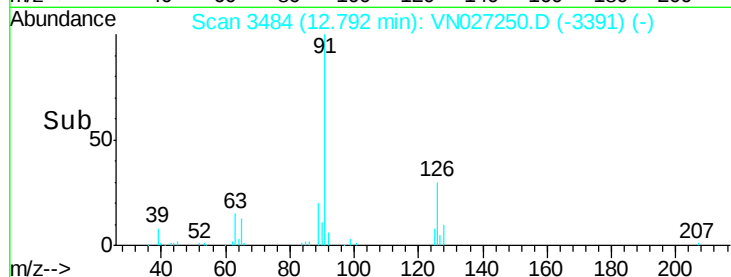
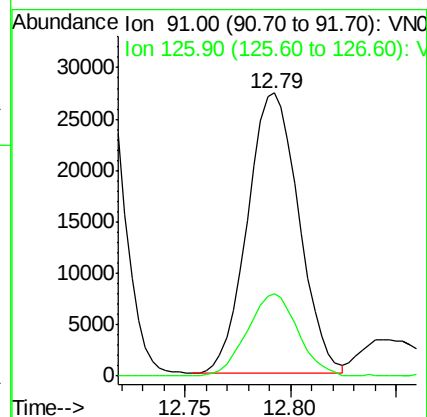
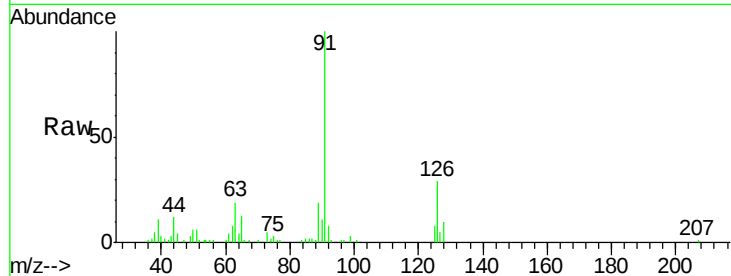
126 28.9 15.2 45.5

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#81

1,3,5-Trimethylbenzene

Concen: 2.07 ug/l

RT: 12.85 min Scan# 3501

Delta R.T. 0.00 min

Lab File: VN027250.D

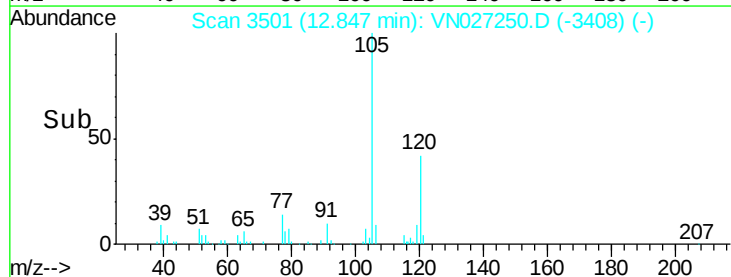
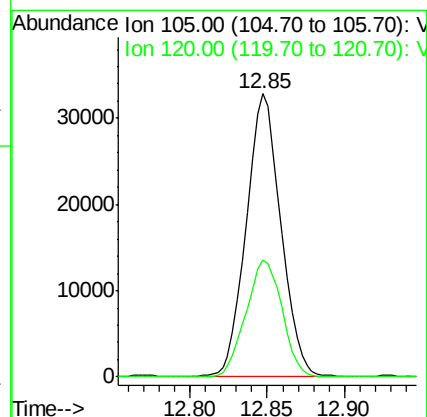
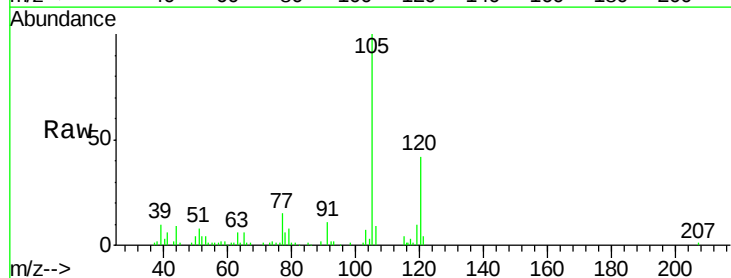
Acq: 17 Sep 2015 12:54

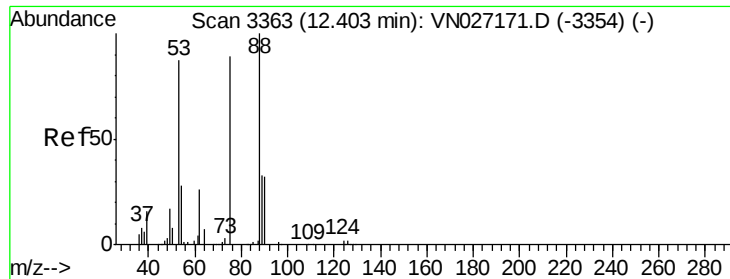
Tgt Ion: 105 Resp: 51232

Ion Ratio Lower Upper

105 100

120 42.9 23.4 70.0





#82

trans-1,4-Dichloro-2-butene

Concen: 1.77 ug/l m

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Instrument :

MSVOA_N

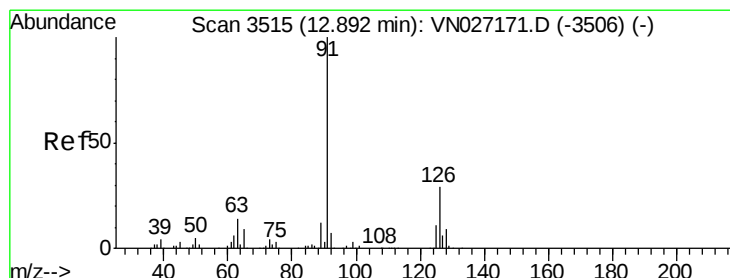
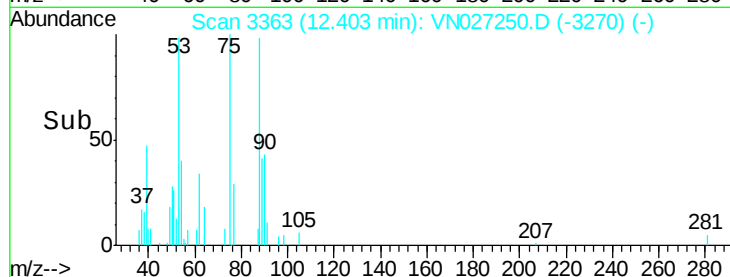
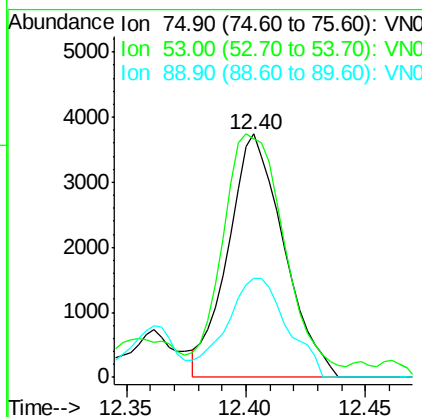
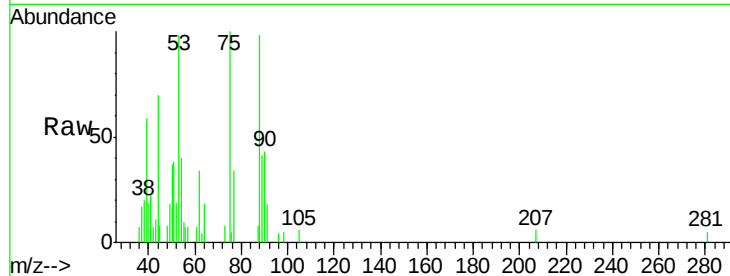
ClientSampleId :

LOQ-WATER2015-02

Tot Ion:	75	Resp:	6067
Ion	Ratio	Lower	Upper
75	100		
53	4.1	92.9	139.3#
89	0.0	34.2	51.4#

Manual Integrations
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#83

4-Chlorotoluene

Concen: 2.03 ug/l

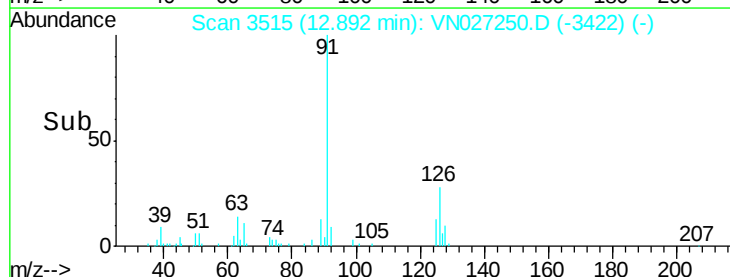
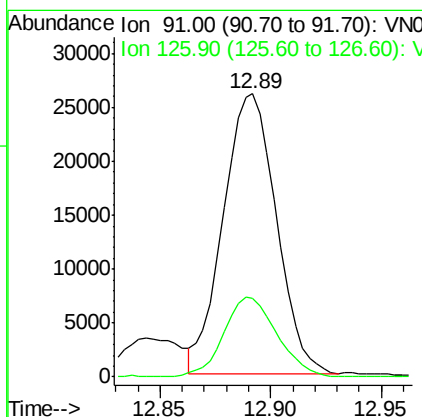
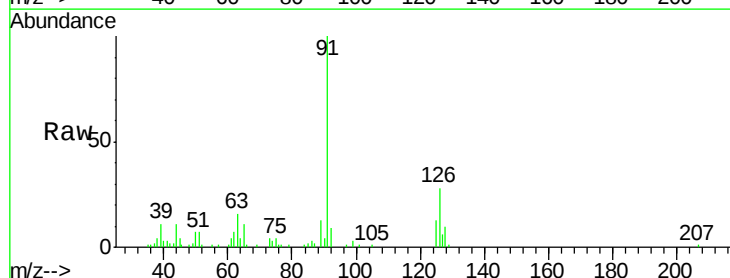
RT: 12.89 min Scan# 3515

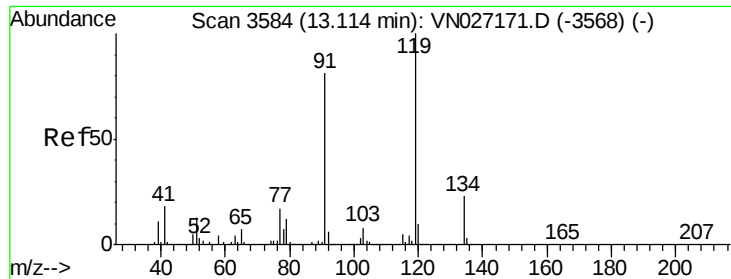
Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Tgt Ion:	91	Resp:	43268
Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.9	44.5





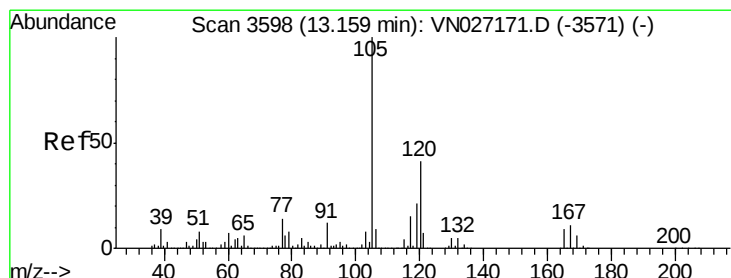
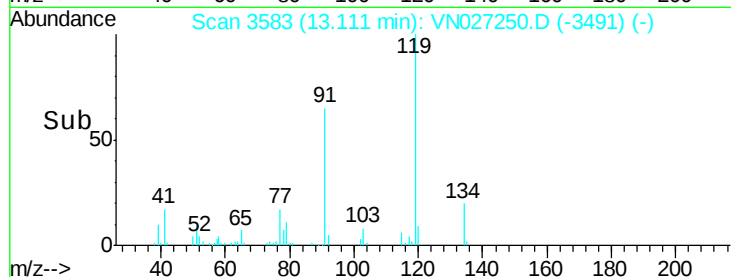
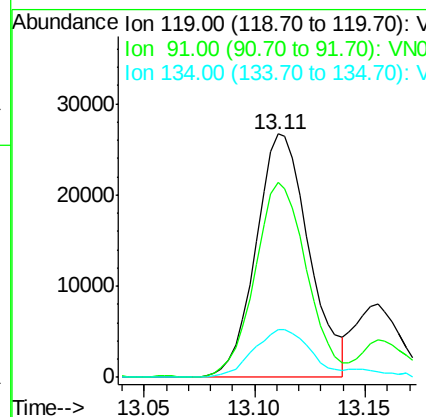
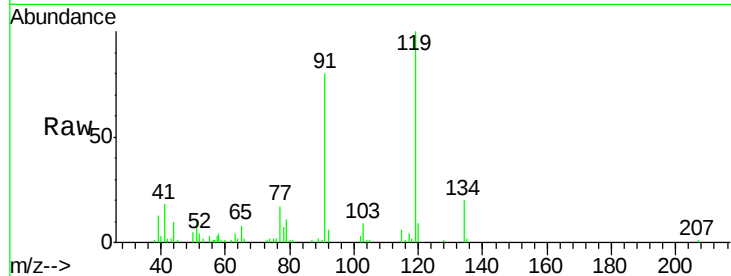
#84
 tert-Butylbenzene
 Concen: 2.18 ug/l
 RT: 13.11 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN027250.D
 Acq: 17 Sep 2015 12:54

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER2015-02

Tot Ion	Ratio	Lower	Upper
119	100		
91	78.2	34.6	103.8
134	21.0	11.4	34.2

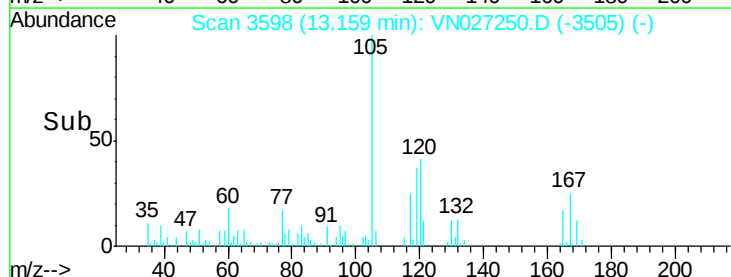
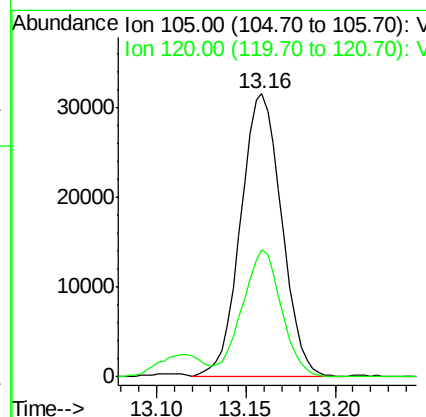
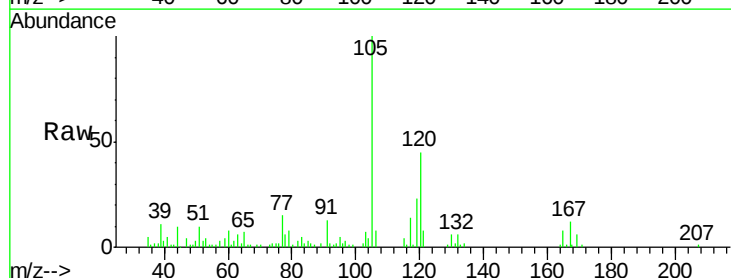
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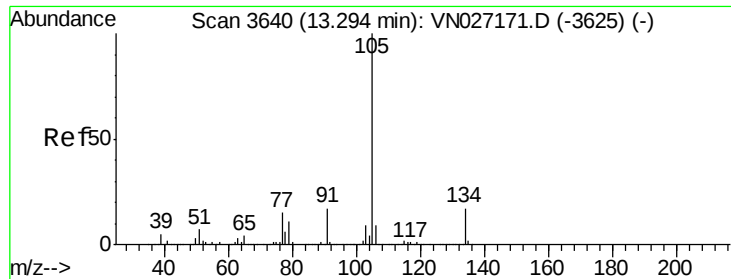
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#85
 1,2,4-Trimethylbenzene
 Concen: 2.05 ug/l
 RT: 13.16 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN027250.D
 Acq: 17 Sep 2015 12:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.9	65.5





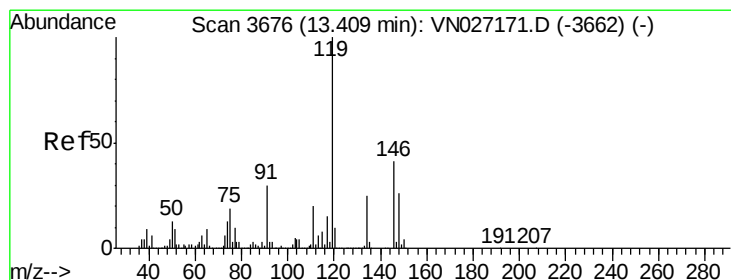
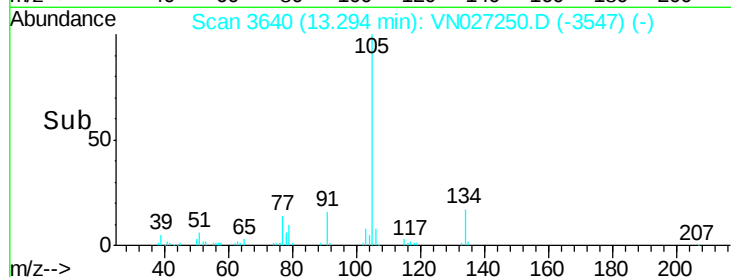
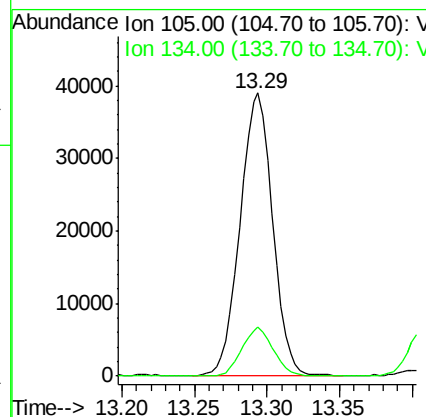
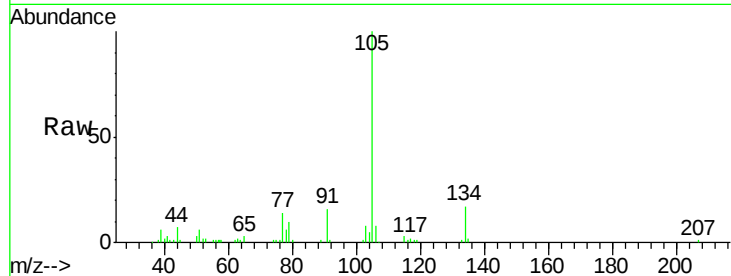
#86
 sec-Butylbenzene
 Concen: 2.04 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN027250.D
 Acq: 17 Sep 2015 12:54

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER2015-02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	60992		
134	16.5		8.8	26.4

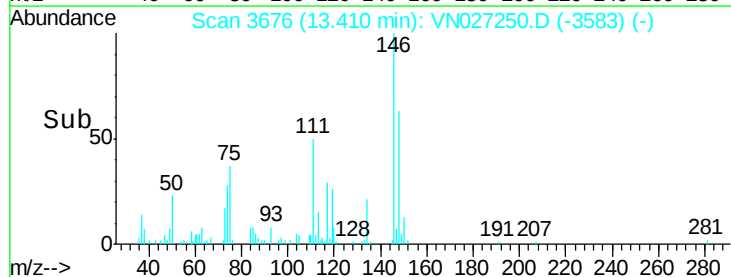
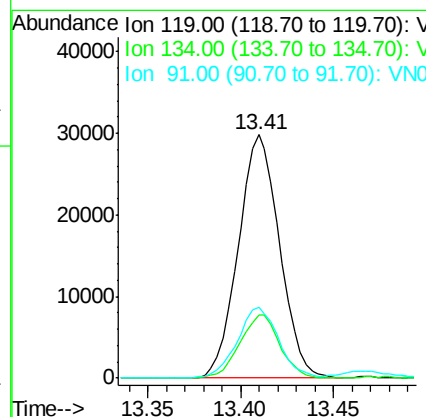
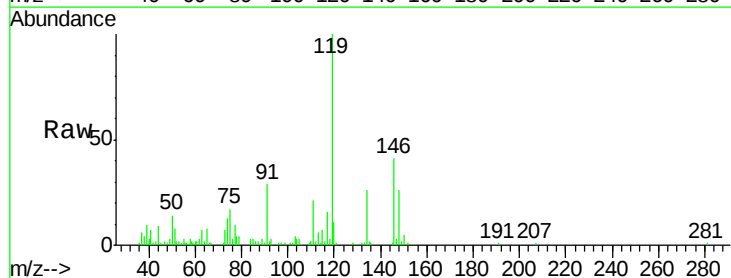
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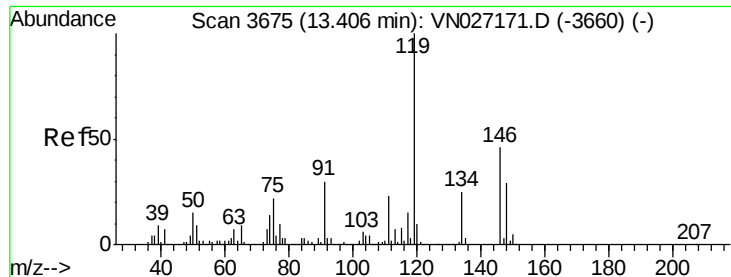
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#87
 p-Isopropyltoluene
 Concen: 1.99 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027250.D
 Acq: 17 Sep 2015 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	45839		
134	25.3		12.4	37.0
91	29.2		12.0	36.1





#88

1,3-Dichlorobenzene

Concen: 2.05 ug/l

RT: 13.41 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Instrument :

MSVOA_N

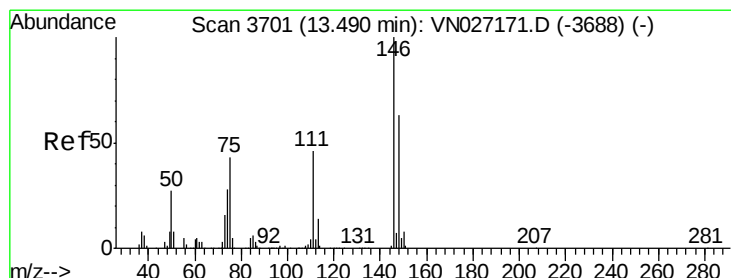
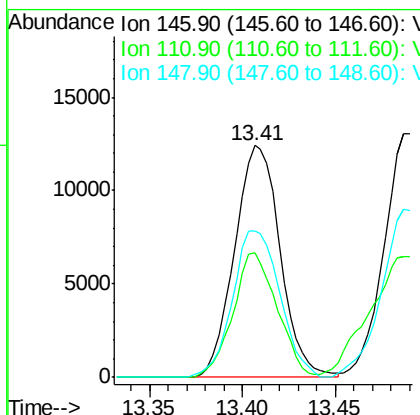
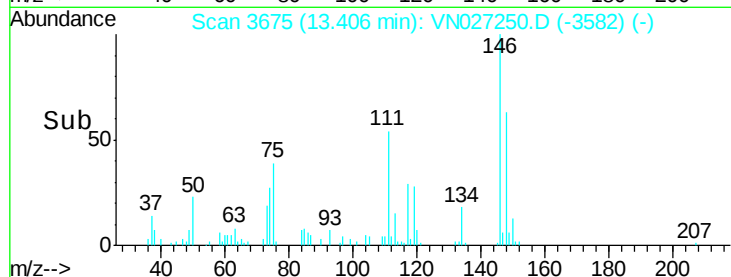
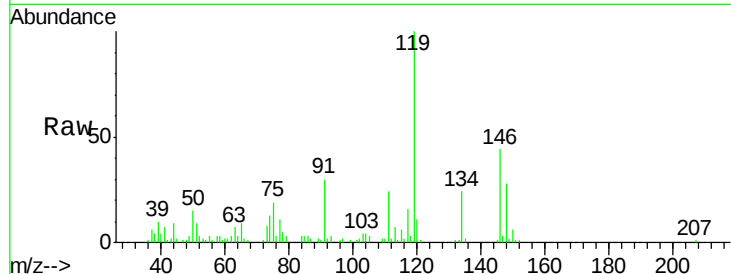
ClientSampleId :

LOQ-WATER2015-02

Tot Ion	Ratio	Lower	Upper
146	100		
111	52.0	21.0	63.0
148	65.6	31.9	95.9

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#89

1,4-Dichlorobenzene

Concen: 2.15 ug/l m

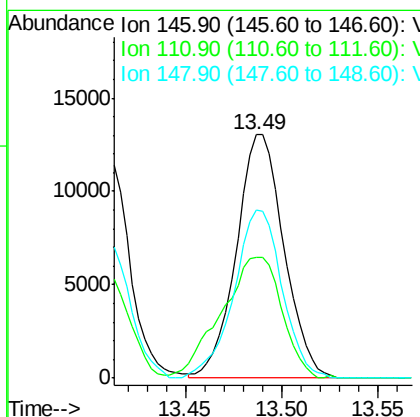
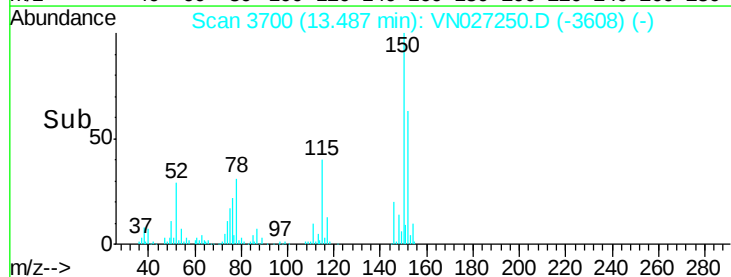
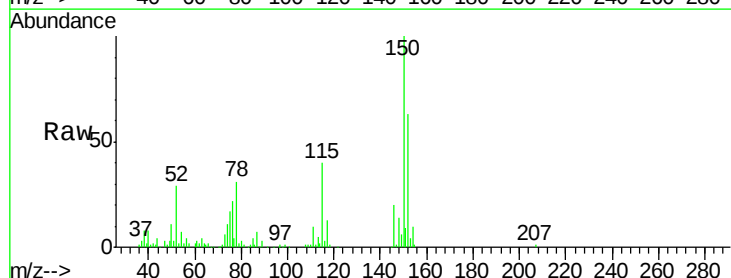
RT: 13.49 min Scan# 3700

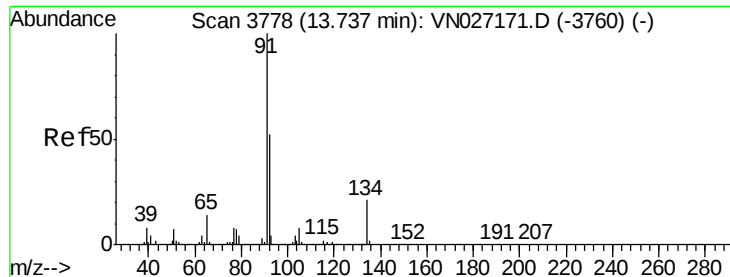
Delta R.T. -0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.1	19.9	59.6
148	61.9	31.7	95.1





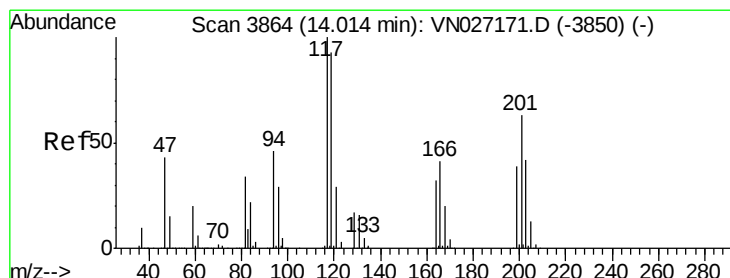
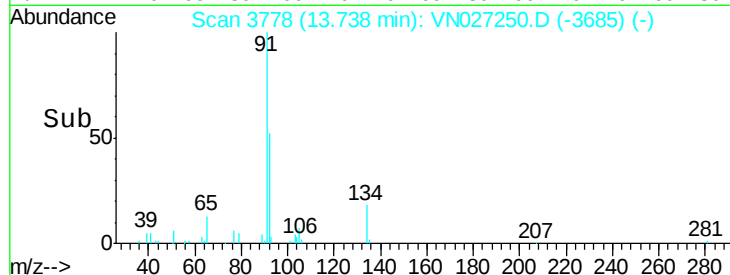
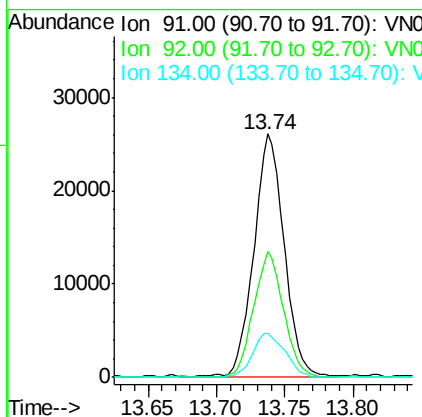
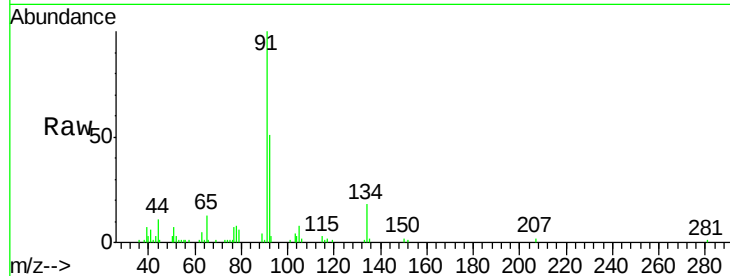
#90
n-Butylbenzene
Concen: 1.82 ug/l
RT: 13.74 min Scan# 3778
Delta R.T. 0.00 min
Lab File: VN027250.D
Acq: 17 Sep 2015 12:54

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER2015-02

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.5	26.1	78.2
134	19.3	11.1	33.1

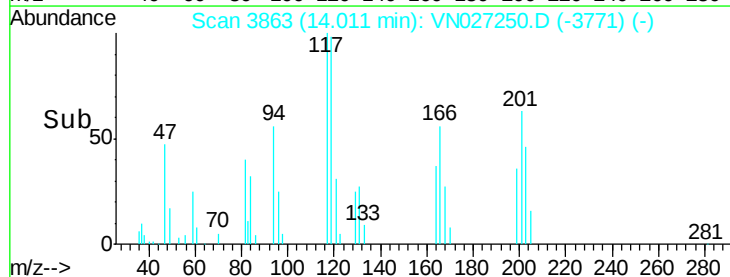
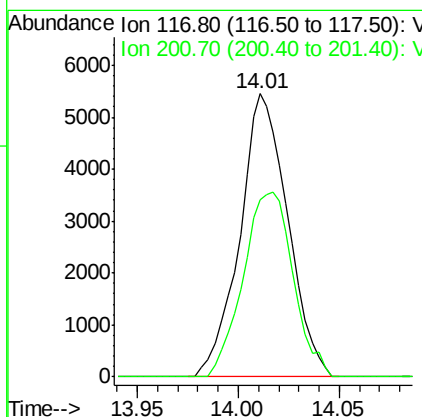
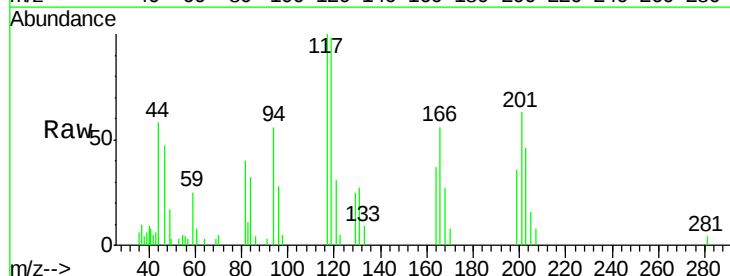
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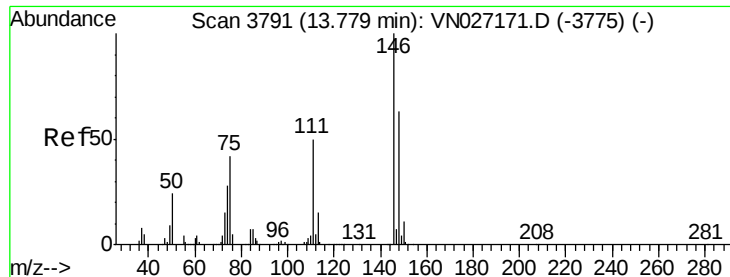
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#91
Hexachloroethane
Concen: 1.80 ug/l
RT: 14.01 min Scan# 3863
Delta R.T. -0.00 min
Lab File: VN027250.D
Acq: 17 Sep 2015 12:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.0	34.9	104.7





#92

1,2-Dichlorobenzene

Concen: 2.20 ug/l

RT: 13.78 min Scan# 3791

Delta R.T. 0.00 min

Lab File: VN027250.D

Acq: 17 Sep 2015 12:54

Instrument :

MSVOA_N

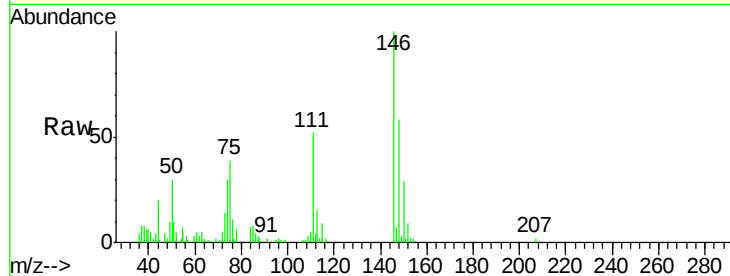
ClientSampleId :

LOQ-WATER2015-02

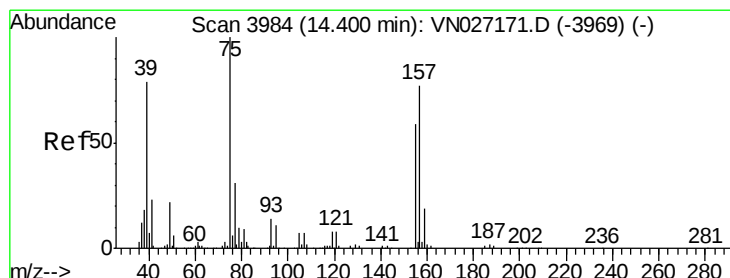
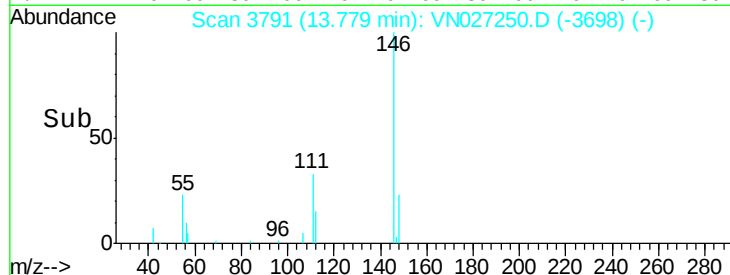
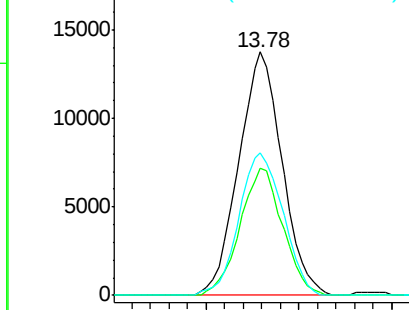
Tot Ion:	146	Resp:	22388
Ion Ratio	Lower	Upper	
146	100		
111	51.4	22.1	66.3
148	59.6	32.0	96.0

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#93

1,2-Dibromo-3-Chloropropane

Concen: 0.56 ug/l

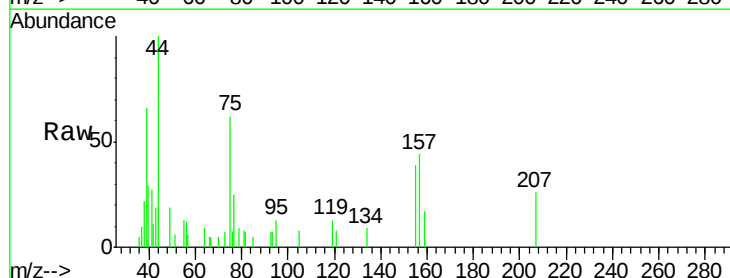
RT: 14.40 min Scan# 3983

Delta R.T. -0.00 min

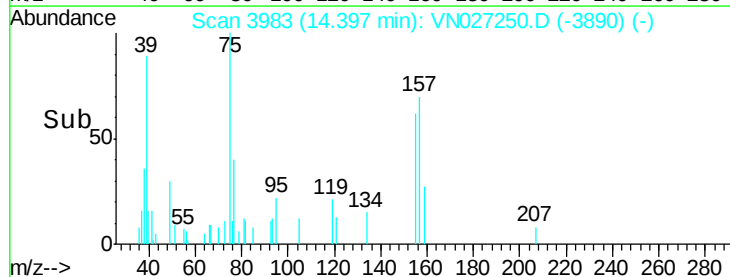
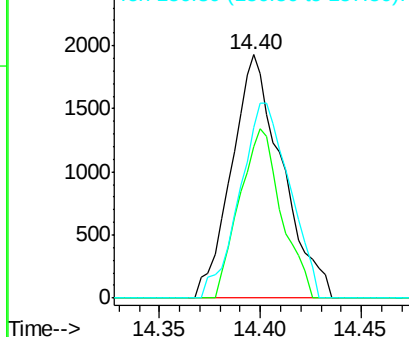
Lab File: VN027250.D

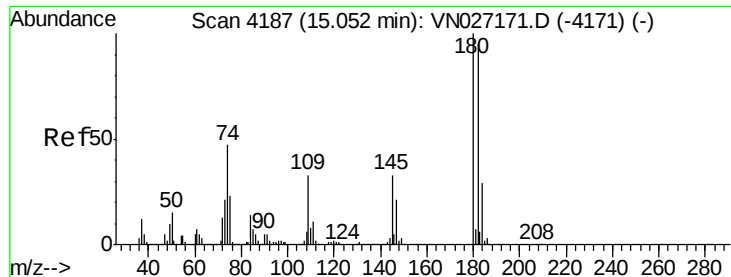
Acq: 17 Sep 2015 12:54

Tgt Ion:	75	Resp:	3370
Ion Ratio	Lower	Upper	
75	100		
155	57.8	35.6	106.9
157	78.9	44.6	133.8



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





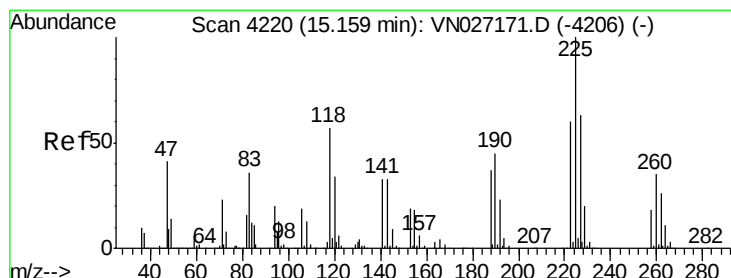
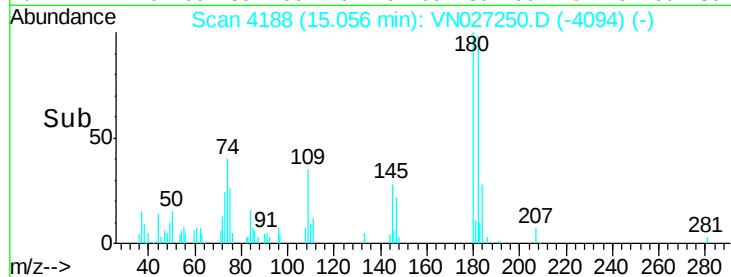
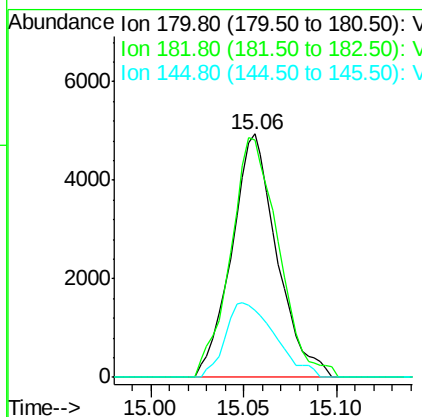
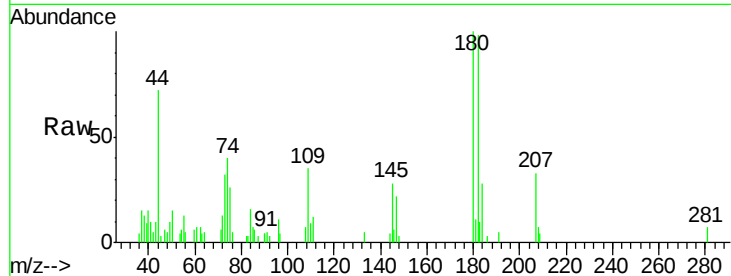
#94
 1,2,4-Trichlorobenzene
 Concen: 1.52 ug/l
 RT: 15.06 min Scan# 4188
 Delta R.T. 0.00 min
 Lab File: VN027250.D
 Acq: 17 Sep 2015 12:54

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER2015-02

Tot Ion	Ratio	Lower	Upper
180	100		
182	104.2	47.5	142.5
145	33.6	15.1	45.3

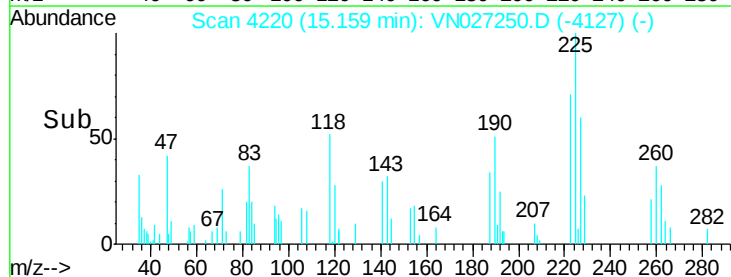
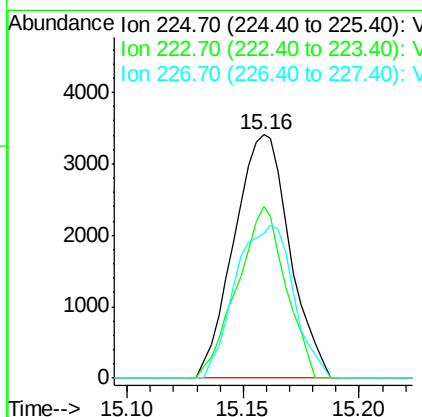
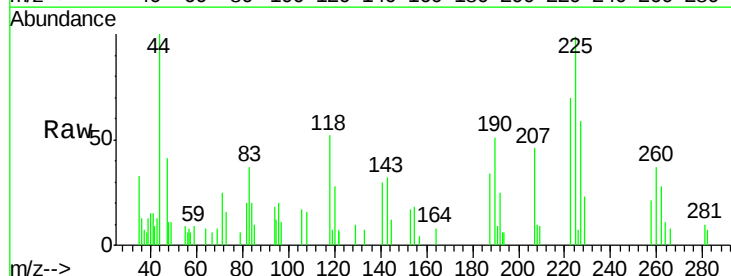
Manual Integrations
 APPROVED

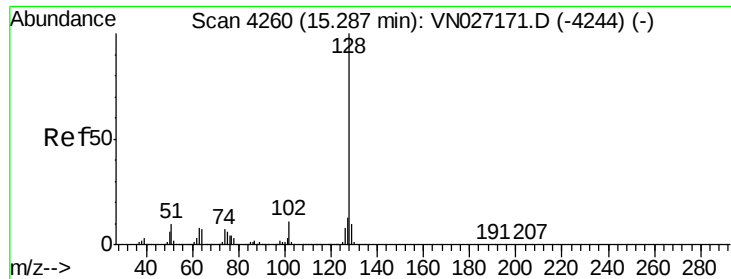
MMDadoda
 9/18/2015 12:22:44 PM



#95
 Hexachlorobutadiene
 Concen: 1.95 ug/l
 RT: 15.16 min Scan# 4220
 Delta R.T. 0.00 min
 Lab File: VN027250.D
 Acq: 17 Sep 2015 12:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	30.8	92.3
227	65.3	31.7	95.1





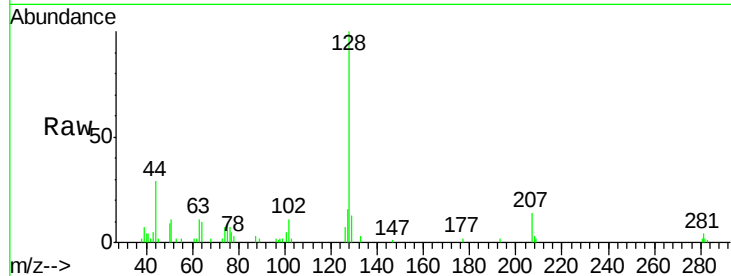
#96
Naphthalene
Concen: 1.44 ug/l
RT: 15.29 min Scan# 4260
Delta R.T. 0.00 min
Lab File: VN027250.D
Acq: 17 Sep 2015 12:54

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER2015-02

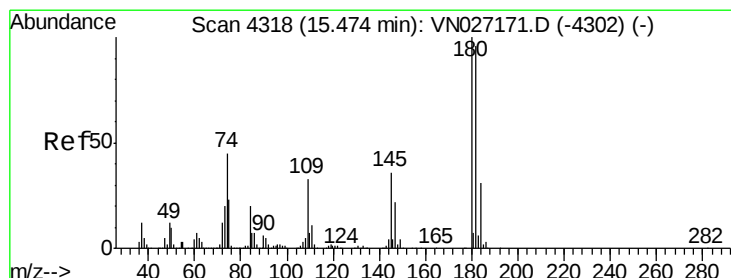
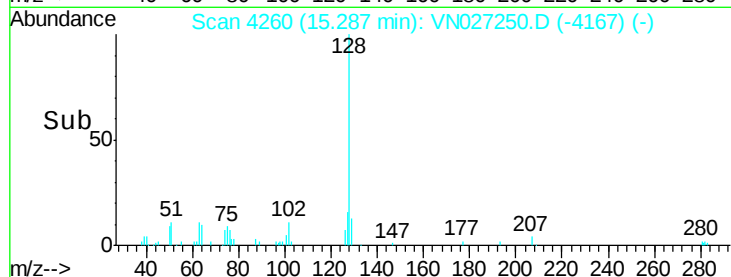
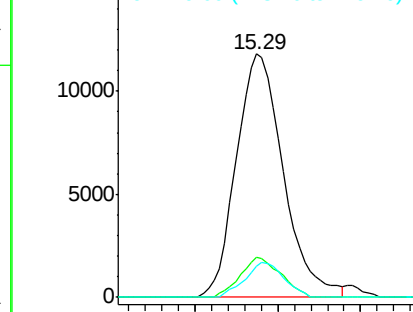
Tot Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.4	15.6
129	11.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/18/2015 12:22:44 PM

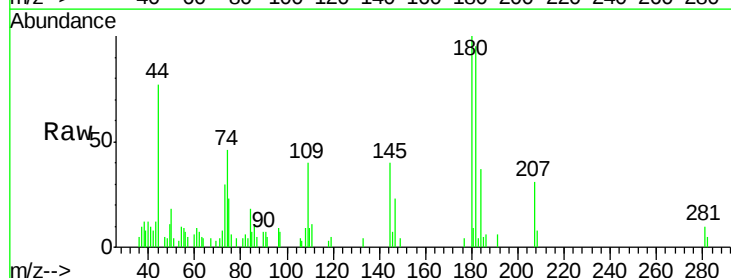


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#97
1,2,3-Trichlorobenzene
Concen: 1.60 ug/l
RT: 15.47 min Scan# 4318
Delta R.T. 0.00 min
Lab File: VN027250.D
Acq: 17 Sep 2015 12:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.4	48.8	146.4
145	34.7	16.6	49.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

