

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN091715\
 Data File : VN027252.D
 Acq On : 17 Sep 2015 13:49
 Operator : MD\FY
 Sample : G3707-06 10.0 PPB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER2015-02

Quant Time: Sep 18 01:13:27 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	532749	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1000919	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	847374	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	306019	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	547221	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
36) Dibromofluoromethane	7.68	113	347109	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
51) Toluene-d8	10.19	98	1354940	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
63) 4-Bromofluorobenzene	12.52	95	460008	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	53808	8.44	ug/l	97
4) Chloromethane	2.01	50	67340	10.33	ug/l	97
5) Vinyl Chloride	2.14	62	76192	10.12	ug/l	94
6) Bromomethane	2.54	94	30038	9.47	ug/l	99
7) Chloroethane	2.69	64	48722	9.52	ug/l	95
8) Trichlorofluoromethane	3.02	101	110644	9.73	ug/l	98
9) Diethyl Ether	3.42	74	47434	9.06	ug/l	90
10) 1,1,2-Trichlorotrifluoroet	3.79	101	70751	9.91	ug/l	95
11) Methyl Iodide	3.99	142	45634	6.57	ug/l	93
12) Tert butyl alcohol	4.80	59	48832	45.75	ug/l #	82
13) 1,1-Dichloroethene	3.77	96	67068	9.80	ug/l	96
14) Acrolein	3.62	56	61565	49.10	ug/l	99
15) Allyl chloride	4.37	41	137896	9.98	ug/l	90
16) Acrylonitrile	5.03	53	160036	45.85	ug/l	99
17) Acetone	3.83	43	141969	48.24	ug/l	96
18) Carbon Disulfide	4.11	76	198248	8.90	ug/l	99
19) Methyl Acetate	4.36	43	200570	9.41	ug/l	97
20) Methyl tert-butyl Ether	5.12	73	264612	9.64	ug/l	96
21) Methylene Chloride	4.60	84	81521	9.94	ug/l	98
22) trans-1,2-Dichloroethene	5.12	96	72812	9.84	ug/l	100
23) Diisopropyl ether	6.03	45	281011	9.69	ug/l #	80
24) Vinyl Acetate	5.98	43	587921	61.28	ug/l	99
25) 1,1-Dichloroethane	5.93	63	164586	9.77	ug/l	99
26) 2-Butanone	6.92	43	210659	47.53	ug/l	97
27) 2,2-Dichloropropane	6.92	77	139884	9.57	ug/l	97
28) cis-1,2-Dichloroethene	6.92	96	83034	9.79	ug/l	93
30) Tetrahydrofuran	7.32	42	135750	44.45	ug/l	90
31) Chloroform	7.45	83	153073	10.06	ug/l	97
32) Cyclohexane	7.76	56	161675	10.05	ug/l #	88
33) 1,1,1-Trichloroethane	7.67	97	133432	9.84	ug/l	96
37) 1,1-Dichloropropene	7.89	75	112226	9.58	ug/l	99
38) Ethyl Acetate	7.02	43	89899	8.13	ug/l	97
39) Carbon Tetrachloride	7.89	117	108894	9.89	ug/l	95
40) Methylcyclohexane	9.19	83	136073	9.54	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Benzene	8.14	78	333449	9.75	ug/l	99
42) Methacrylonitrile	7.25	41	52168	9.21	ug/l	90
43) 1,2-Dichloroethane	8.22	62	132955	9.65	ug/l	97
44) Isopropyl Acetate	8.25	43	175680	9.38	ug/l	97
45) Trichloroethene	8.94	130	68110	9.92	ug/l	92
46) 1,2-Dichloropropane	9.22	63	97771	9.94	ug/l	97
47) Dibromomethane	9.31	93	56104	9.72	ug/l	93
48) Bromodichloromethane	9.50	83	116093	9.54	ug/l	98
49) Methyl methacrylate	9.29	41	84882	9.10	ug/l #	87
50) 1,4-Dioxane	9.30	88	20303	185.57	ug/l	93
52) 4-Methyl-2-Pentanone	10.07	43	462026	46.67	ug/l	99
53) Toluene	10.26	92	201113	10.04	ug/l	98
54) t-1,3-Dichloropropene	10.47	75	122999	9.00	ug/l	96
55) cis-1,3-Dichloropropene	9.93	75	137761	9.27	ug/l	96
56) 1,1,2-Trichloroethane	10.66	97	76043	10.10	ug/l	98
57) Ethyl methacrylate	10.52	69	119439	9.42	ug/l #	90
58) 1,3-Dichloropropane	10.81	76	137463	9.84	ug/l	100
60) 2-Hexanone	10.84	43	306753	45.51	ug/l	99
61) Dibromochloromethane	11.00	129	72469	9.43	ug/l	98
62) 1,2-Dibromoethane	11.11	107	70258	9.50	ug/l	98
65) Tetrachloroethene	10.74	164	53507	9.87	ug/l	93
66) Chlorobenzene	11.54	112	196361	9.82	ug/l	98
67) 1,1,1,2-Tetrachloroethane	11.62	131	67035	9.82	ug/l	98
68) Ethyl Benzene	11.62	91	370680	9.77	ug/l	99
69) m/p-Xylenes	11.73	106	255538	19.52	ug/l	91
70) o-Xylene	12.06	106	128010	9.76	ug/l	94
71) Styrene	12.08	104	196636	9.28	ug/l	94
72) Bromoform	12.24	173	42212	8.90	ug/l #	99
74) Isopropylbenzene	12.36	105	344545	10.22	ug/l	98
75) N-amyl acetate	12.17	43	139961	9.30	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	99125	8.53	ug/l	99
77) 1,2,3-Trichloropropane	12.66	75	131918	14.26	ug/l	54
78) Bromobenzene	12.64	156	67847	10.26	ug/l	97
79) n-propylbenzene	12.71	91	389237	9.81	ug/l	97
80) 2-Chlorotoluene	12.79	91	241095	10.12	ug/l	96
81) 1,3,5-Trimethylbenzene	12.85	105	270262	9.98	ug/l	96
82) trans-1,4-Dichloro-2-buten	12.40	75	33346	8.86	ug/l	92
83) 4-Chlorotoluene	12.89	91	230642	9.85	ug/l	98
84) tert-Butylbenzene	13.11	119	227009	10.16	ug/l	90
85) 1,2,4-Trimethylbenzene	13.16	105	267480	9.83	ug/l	96
86) sec-Butylbenzene	13.29	105	317808	9.71	ug/l	99
87) p-Isopropyltoluene	13.41	119	239597	9.50	ug/l	95
88) 1,3-Dichlorobenzene	13.41	146	110835	9.79	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	108469	9.46	ug/l	91
90) n-Butylbenzene	13.74	91	220380	9.00	ug/l	100
91) Hexachloroethane	14.01	117	49529	8.97	ug/l	97
92) 1,2-Dichlorobenzene	13.78	146	115441	10.32	ug/l	97
93) 1,2-Dibromo-3-Chloropropan	14.40	75	18148	8.27	ug/l	83
94) 1,2,4-Trichlorobenzene	15.06	180	51370	8.50	ug/l	98
95) Hexachlorobutadiene	15.16	225	30937	9.72	ug/l	97

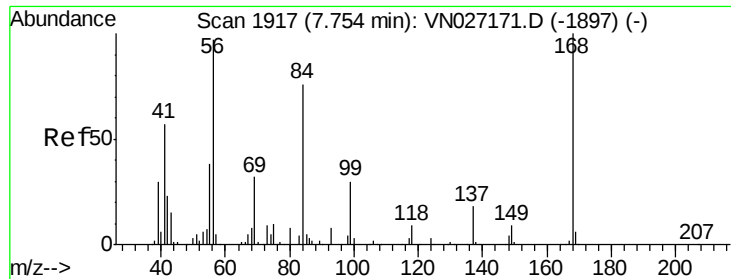
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) Naphthalene	15.29	128	147686	8.34	ug/l	99
97) 1,2,3-Trichlorobenzene	15.47	180	52483	8.74	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: VN027252.D

Acq: 17 Sep 2015 13:49

Instrument :

MSVOA_N

ClientSampleId :

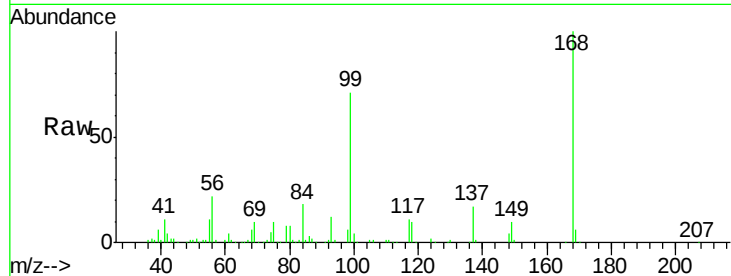
LOQ-WATER2015-02

Tgt Ion:168 Resp: 532749

Ion Ratio Lower Upper

168 100

99 70.2 50.4 75.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.75

250000

200000

150000

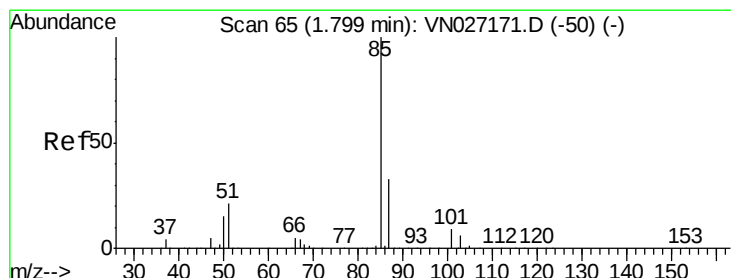
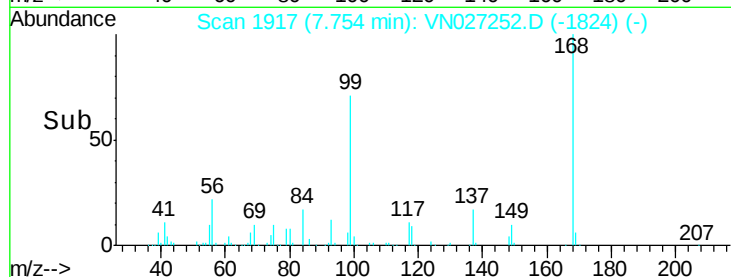
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50000

0

7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 8.44 ug/l

RT: 1.80 min Scan# 64

Delta R.T. -0.00 min

Lab File: VN027252.D

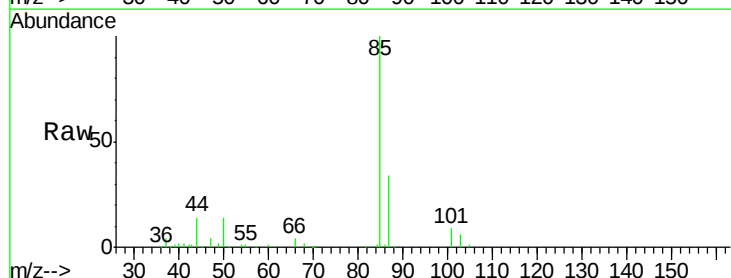
Acq: 17 Sep 2015 13:49

Tgt Ion: 85 Resp: 53808

Ion Ratio Lower Upper

85 100

87 34.3 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

40000

30000

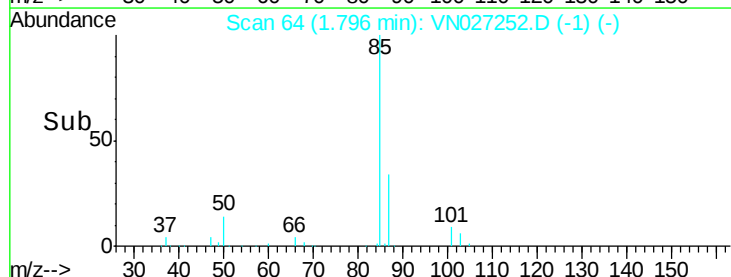
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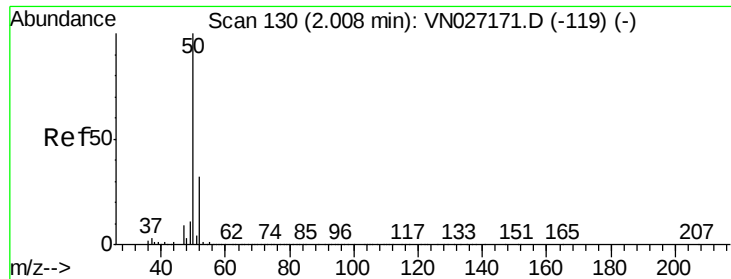
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0

1.75 1.80 1.85

Time-->





#4

Chloromethane

Concen: 10.33 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

Instrument :

MSVOA_N

ClientSampleId :

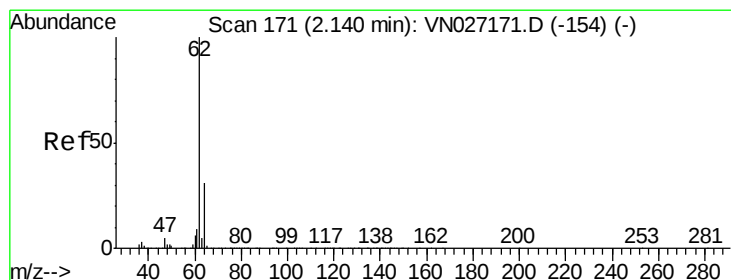
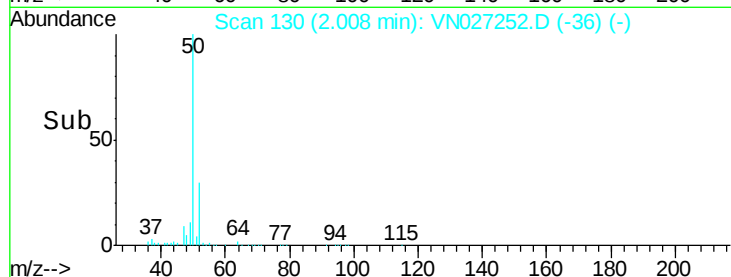
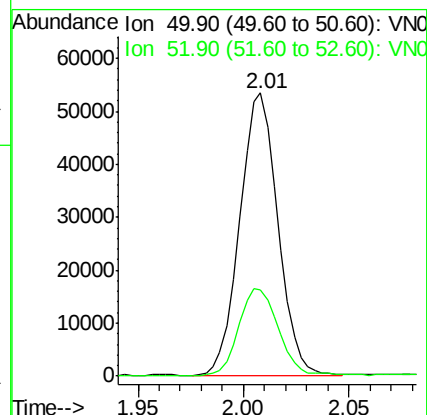
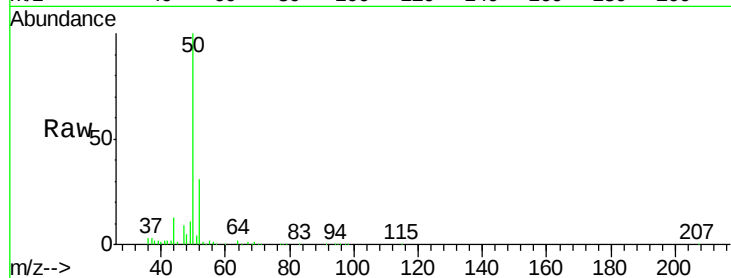
LOQ-WATER2015-02

Tgt Ion: 50 Resp: 67340

Ion Ratio Lower Upper

50 100

52 30.6 25.9 38.9



#5

Vinyl Chloride

Concen: 10.12 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

Lab File: VN027252.D

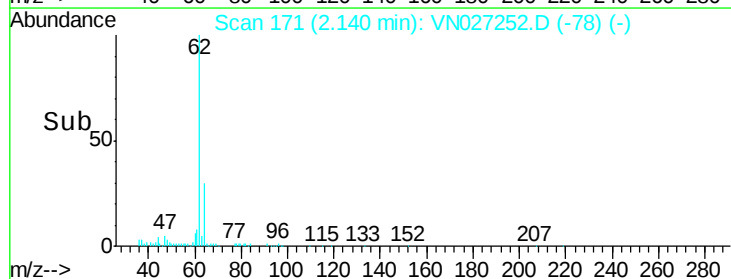
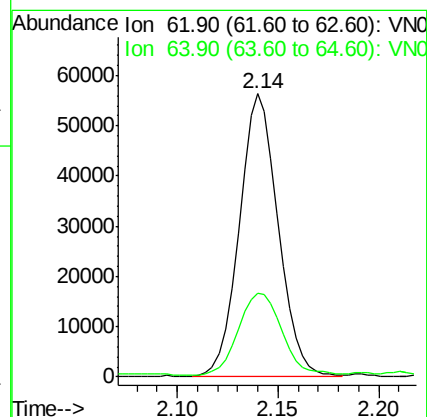
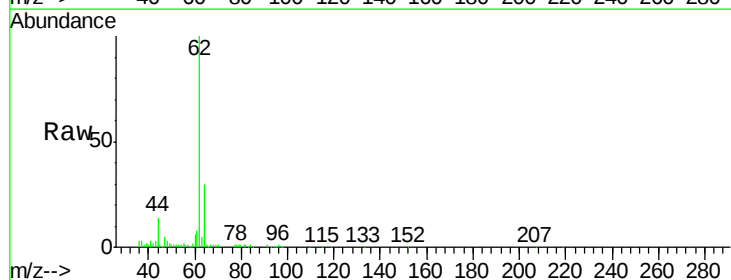
Acq: 17 Sep 2015 13:49

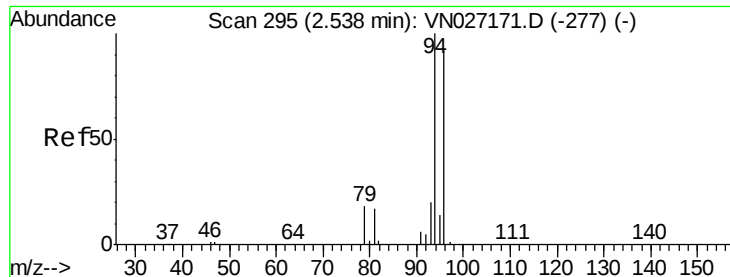
Tgt Ion: 62 Resp: 76192

Ion Ratio Lower Upper

62 100

64 28.9 25.9 38.9





#6

Bromomethane

Concen: 9.47 ug/l

RT: 2.54 min Scan# 296

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

Instrument :

MSVOA_N

ClientSampleId :

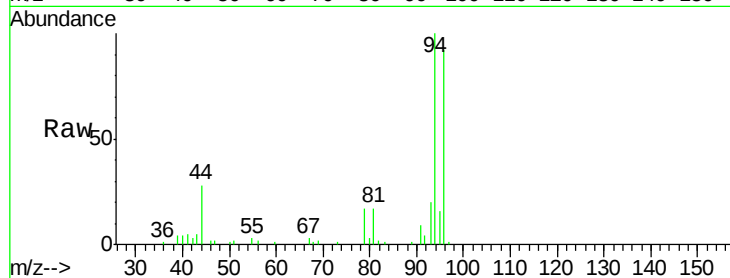
LOQ-WATER2015-02

Tgt Ion: 94 Resp: 30038

Ion Ratio Lower Upper

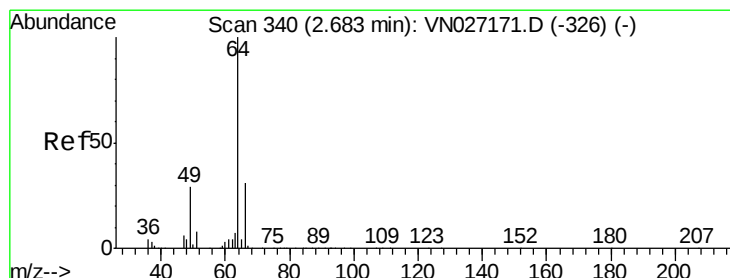
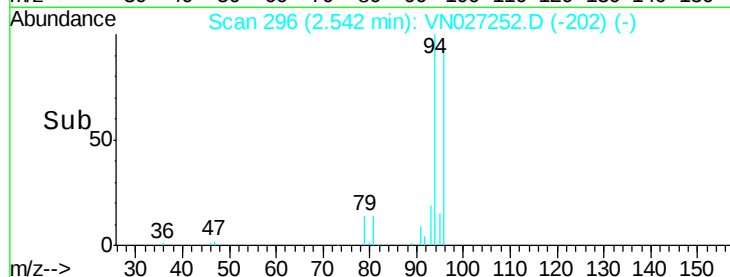
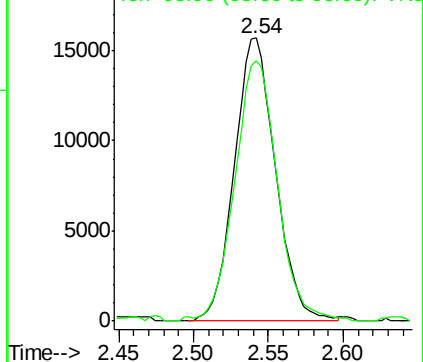
94 100

96 90.9 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#7

Chloroethane

Concen: 9.52 ug/l

RT: 2.69 min Scan# 341

Delta R.T. 0.00 min

Lab File: VN027252.D

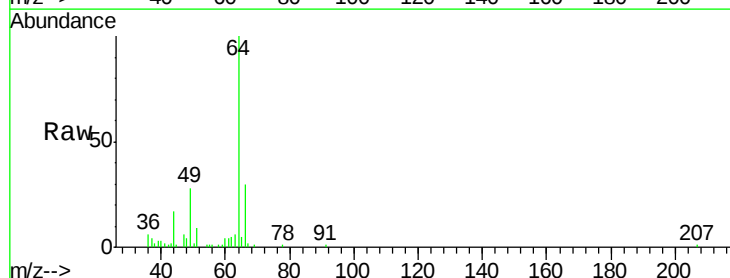
Acq: 17 Sep 2015 13:49

Tgt Ion: 64 Resp: 48722

Ion Ratio Lower Upper

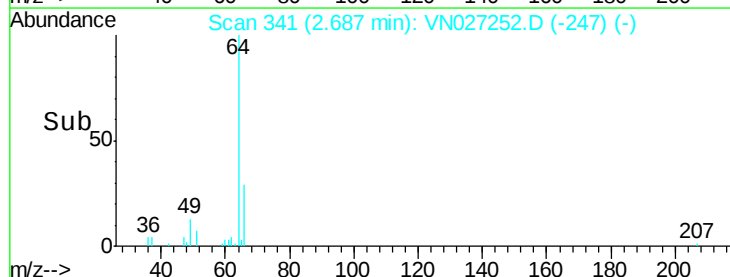
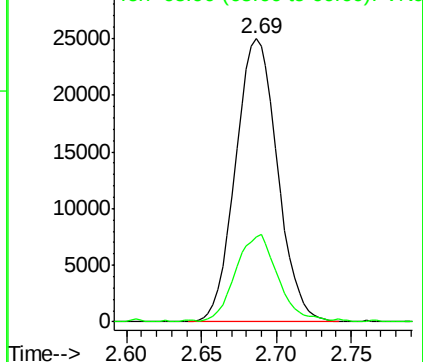
64 100

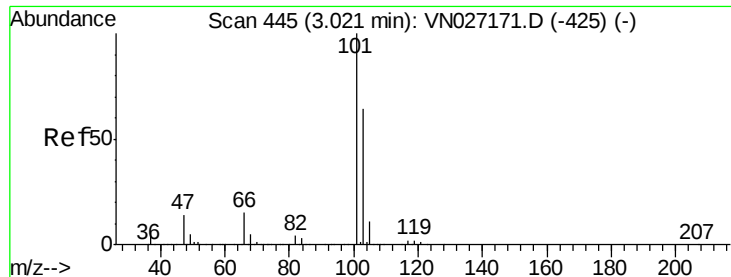
66 29.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#8

Trichlorofluoromethane

Concen: 9.73 ug/l

RT: 3.02 min Scan# 446

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

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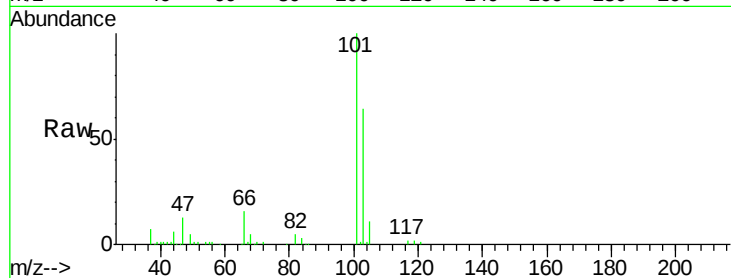
LOQ-WATER2015-02

Tgt Ion:101 Resp: 110644

Ion Ratio Lower Upper

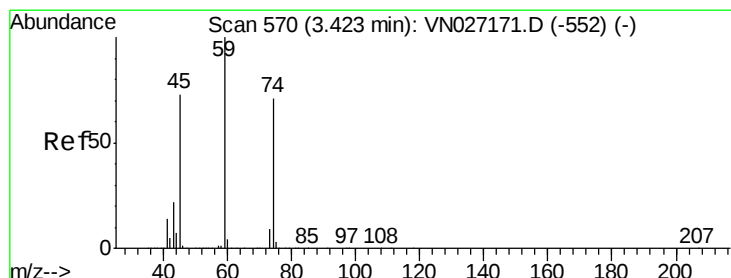
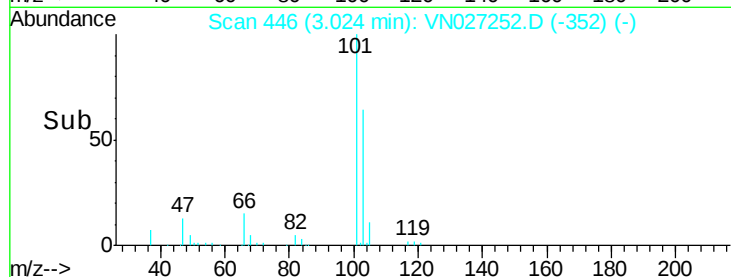
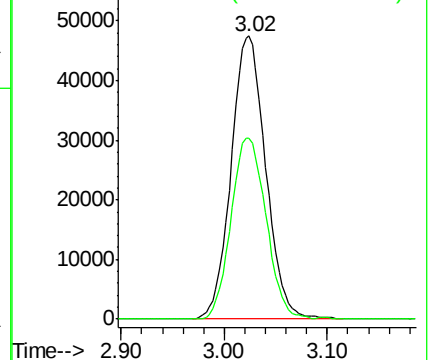
101 100

103 64.0 52.6 79.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#9

Diethyl Ether

Concen: 9.06 ug/l

RT: 3.42 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN027252.D

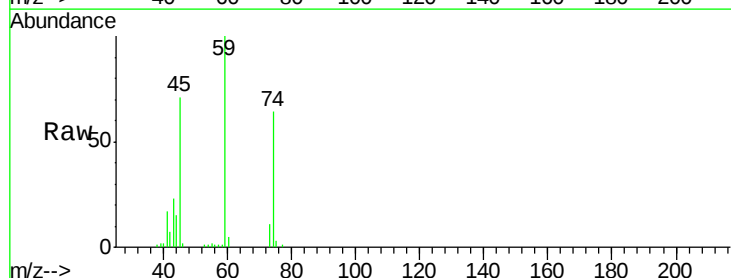
Acq: 17 Sep 2015 13:49

Tgt Ion: 74 Resp: 47434

Ion Ratio Lower Upper

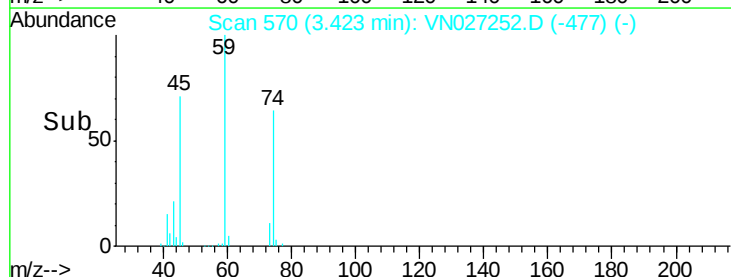
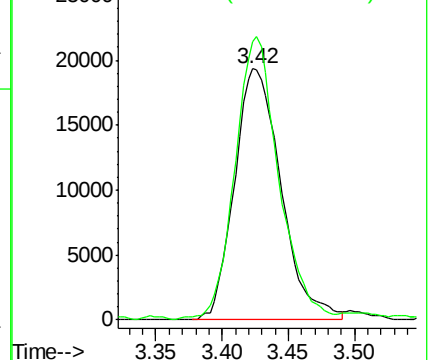
74 100

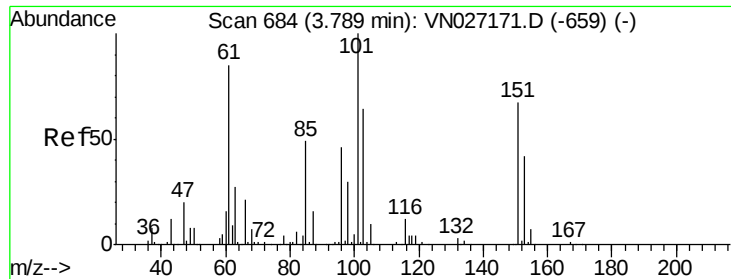
45 105.6 58.1 174.3



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

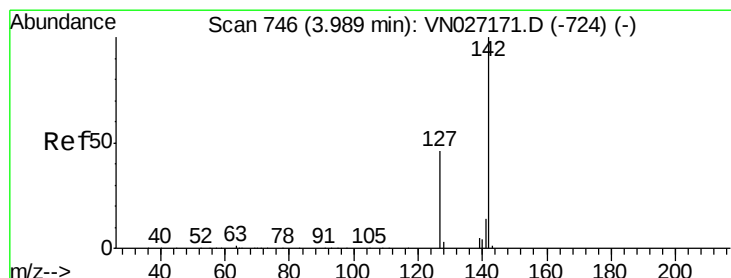
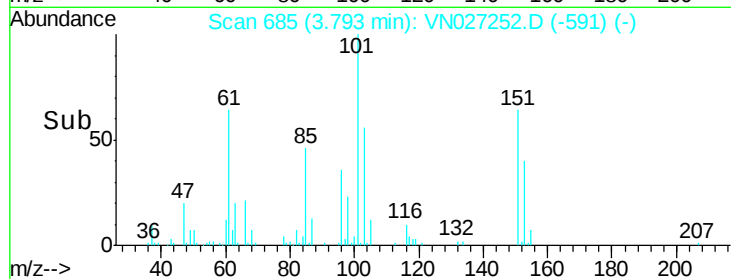
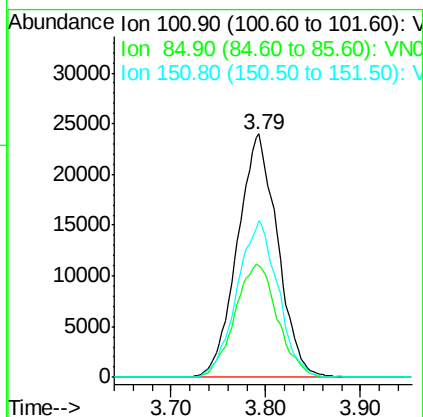
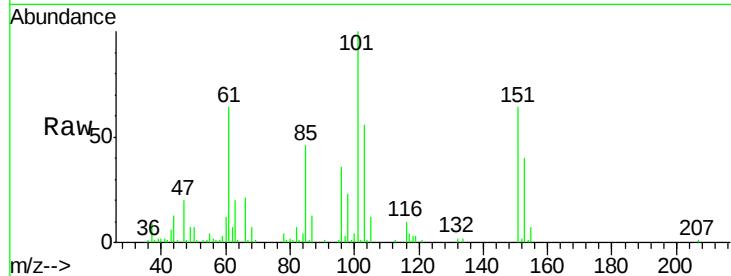




#10
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.91 ug/l
 RT: 3.79 min Scan# 685
 Delta R.T. 0.00 min
 Lab File: VN027252.D
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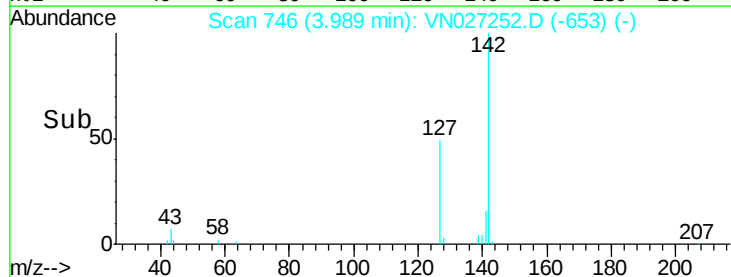
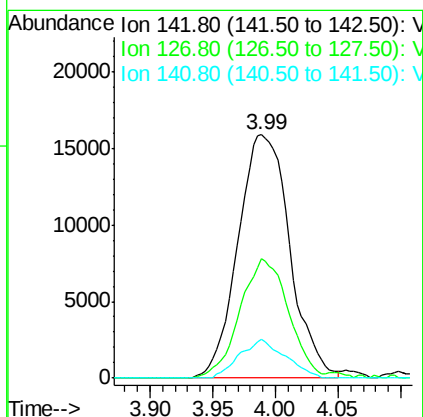
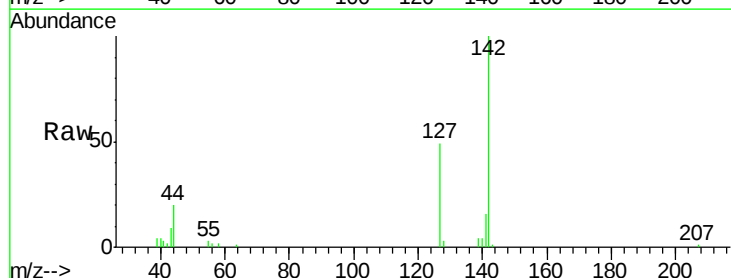
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER2015-02

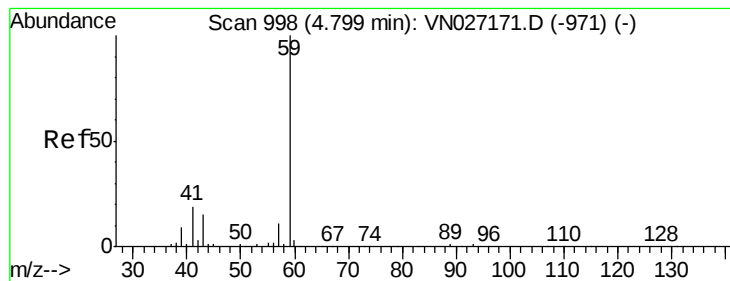
Tgt Ion:101 Resp: 70751
 Ion Ratio Lower Upper
 101 100
 85 49.4 37.4 56.0
 151 65.5 55.9 83.9



#11
 Methyl Iodide
 Concen: 6.57 ug/l
 RT: 3.99 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VN027252.D
 Acq: 17 Sep 2015 13:49

Tgt Ion:142 Resp: 45634
 Ion Ratio Lower Upper
 142 100
 127 46.0 32.3 48.5
 141 14.1 11.2 16.8





#12

Tert butyl alcohol

Concen: 45.75 ug/l

RT: 4.80 min Scan# 998

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

Instrument :

MSVOA_N

ClientSampleId :

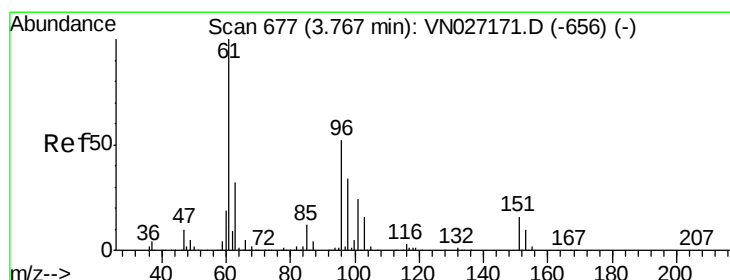
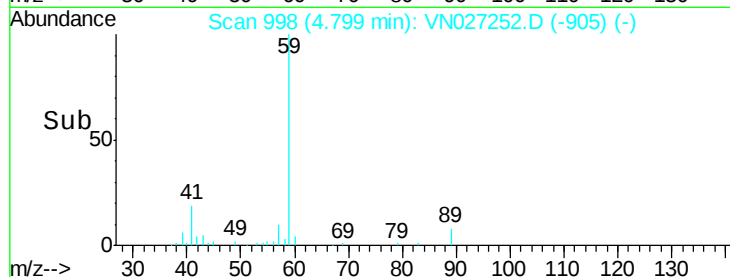
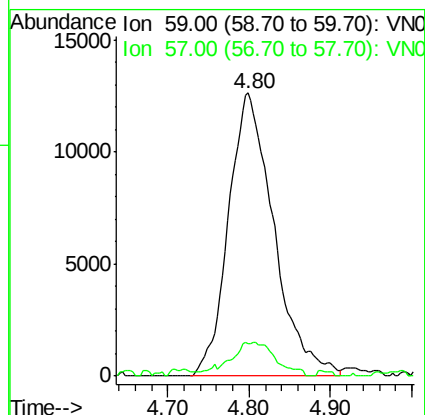
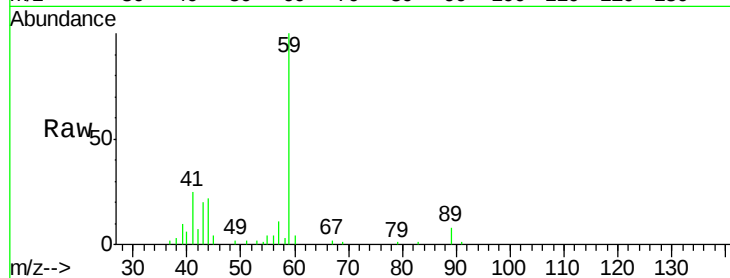
LOQ-WATER2015-02

Tgt Ion: 59 Resp: 48832

Ion Ratio Lower Upper

59 100

57 2.9 7.6 11.4#



#13

1,1-Dichloroethene

Concen: 9.80 ug/l

RT: 3.77 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

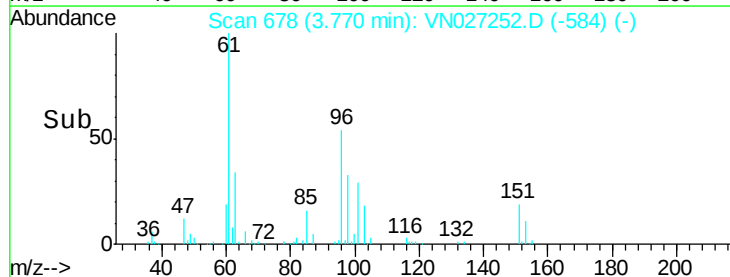
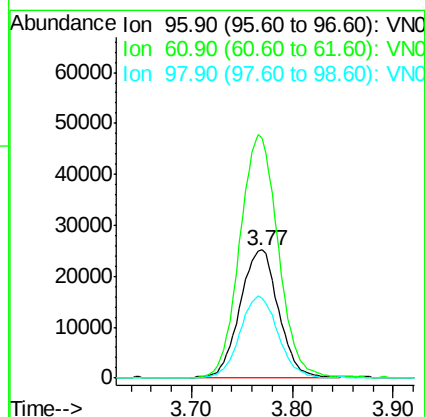
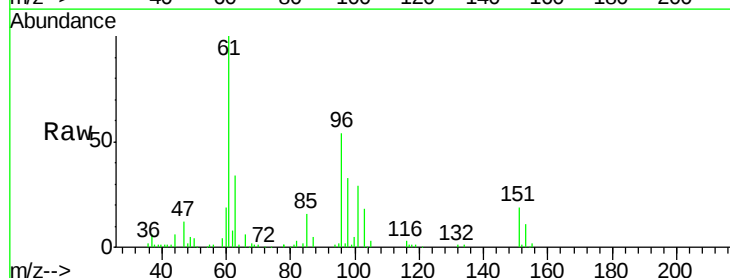
Tgt Ion: 96 Resp: 67068

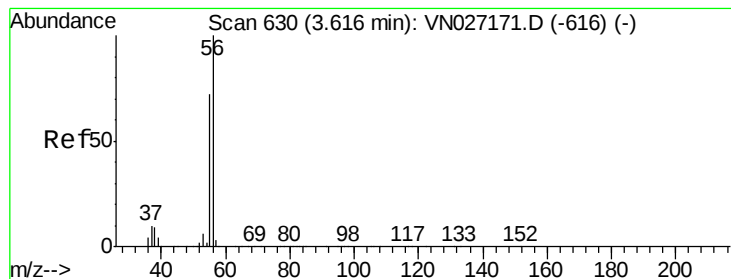
Ion Ratio Lower Upper

96 100

61 186.9 143.8 215.8

98 62.3 50.3 75.5





#14

Acrolein

Concen: 49.10 ug/l

RT: 3.62 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

Instrument :

MSVOA_N

ClientSampleId :

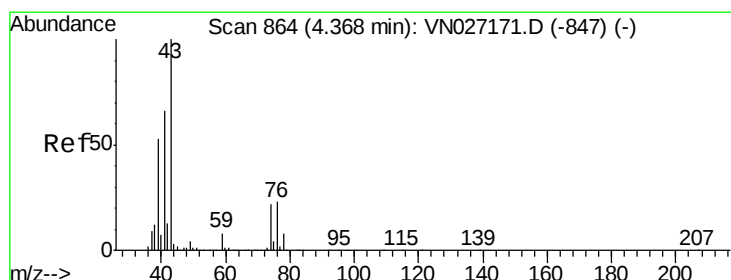
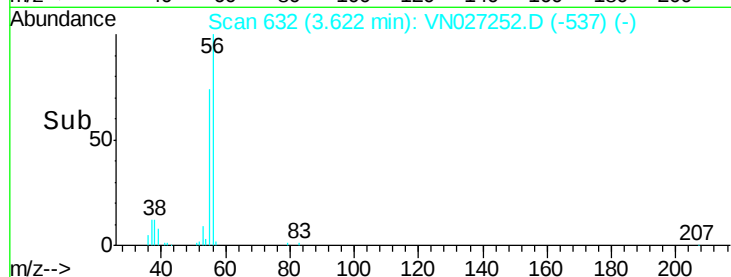
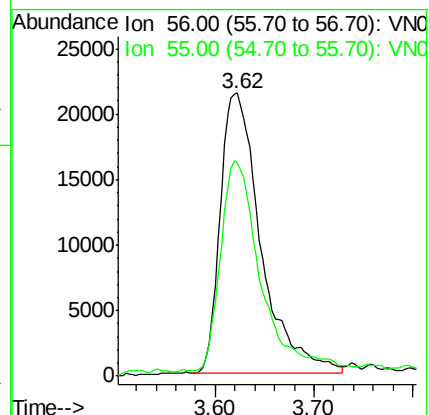
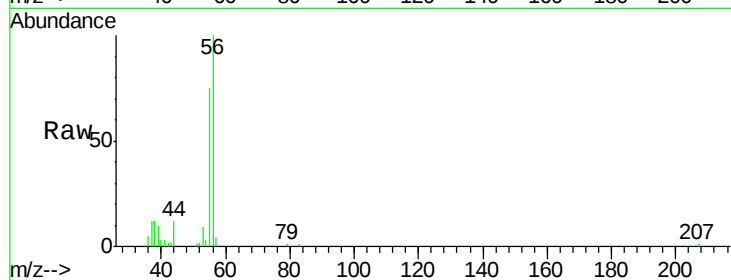
LOQ-WATER2015-02

Tgt Ion: 56 Resp: 61565

Ion Ratio Lower Upper

56 100

55 70.4 55.7 83.5



#15

Allyl chloride

Concen: 9.98 ug/l

RT: 4.37 min Scan# 864

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

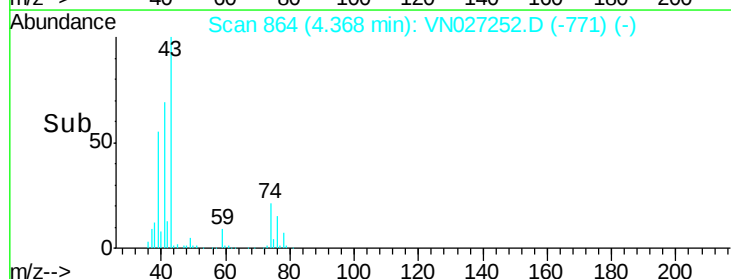
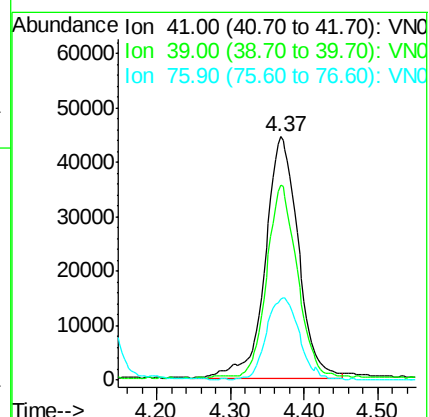
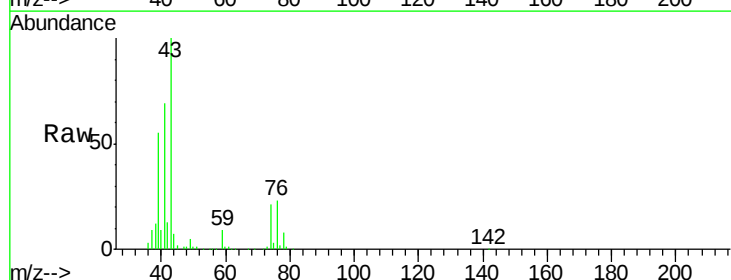
Tgt Ion: 41 Resp: 137896

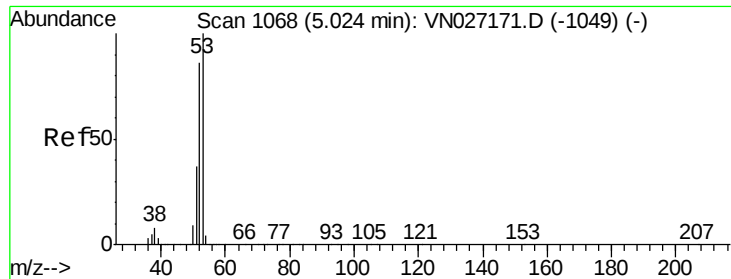
Ion Ratio Lower Upper

41 100

39 70.9 49.7 74.5

76 34.1 24.8 37.2

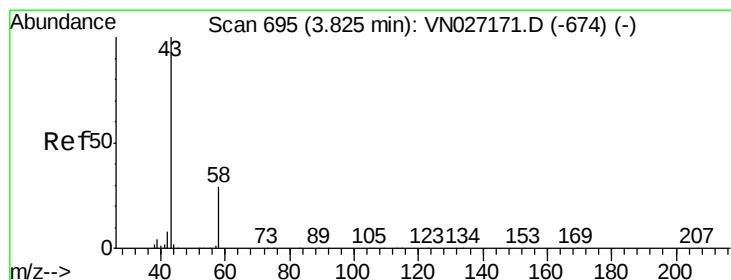
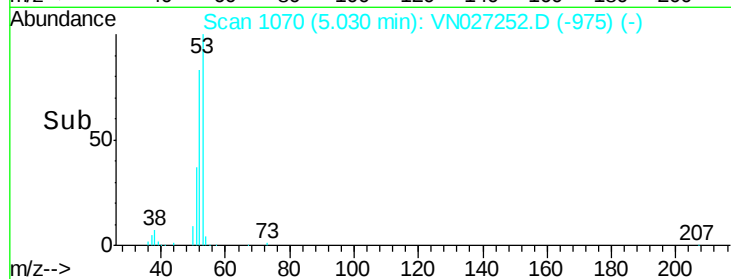
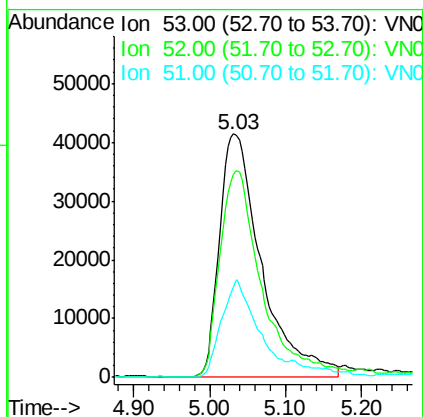
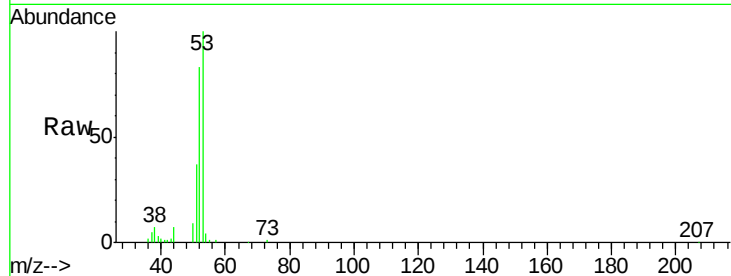




#16
 Acrylonitrile
 Concen: 45.85 ug/l
 RT: 5.03 min Scan# 1070
 Delta R.T. 0.01 min
 Lab File: VN027252.D
 Acq: 17 Sep 2015 13:49

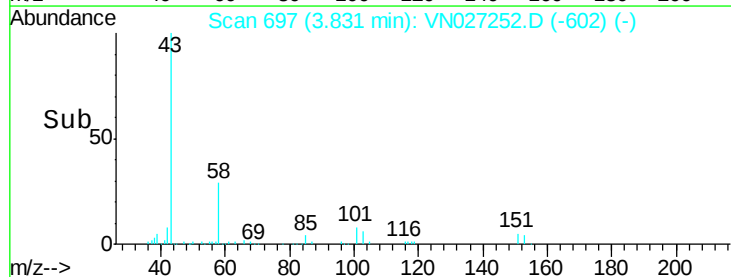
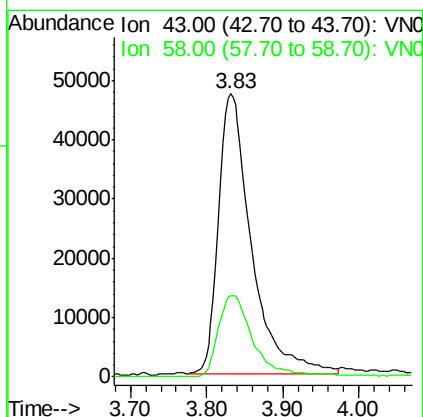
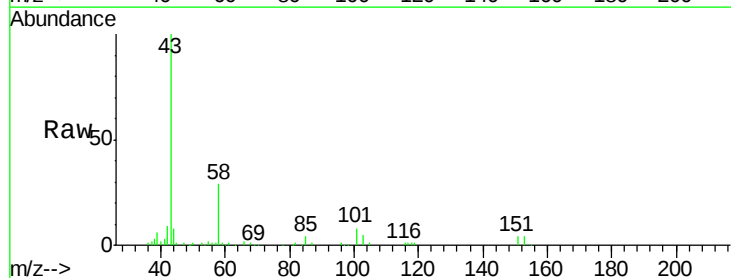
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER2015-02

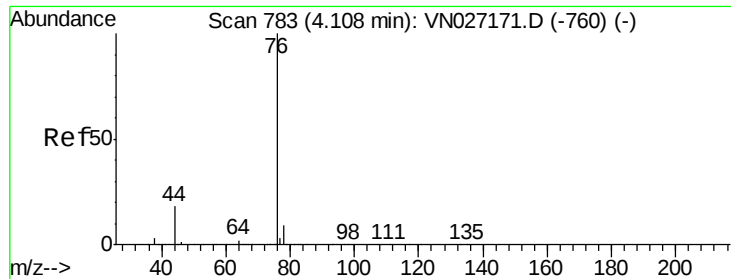
Tgt Ion: 53 Resp: 160036
 Ion Ratio Lower Upper
 53 100
 52 84.3 66.9 100.3
 51 34.0 27.4 41.0



#17
 Acetone
 Concen: 48.24 ug/l
 RT: 3.83 min Scan# 697
 Delta R.T. 0.01 min
 Lab File: VN027252.D
 Acq: 17 Sep 2015 13:49

Tgt Ion: 43 Resp: 141969
 Ion Ratio Lower Upper
 43 100
 58 29.2 25.4 38.0

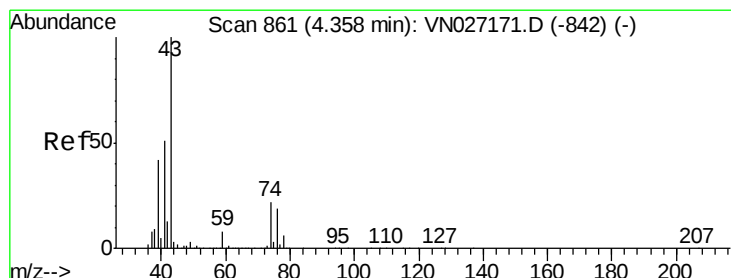
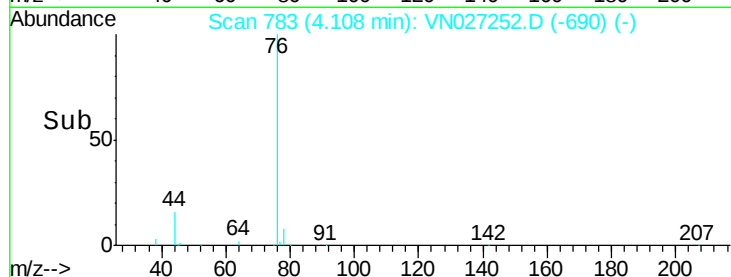
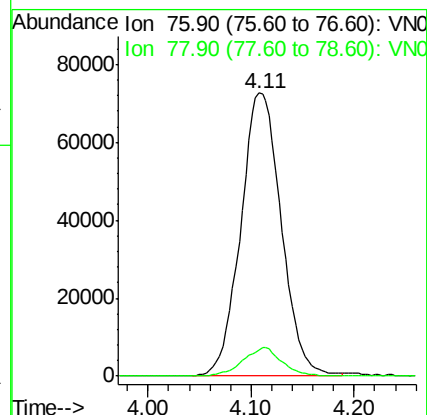
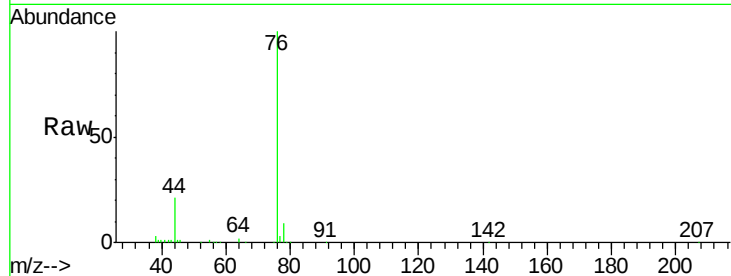




#18
Carbon Disulfide
Concen: 8.90 ug/l
RT: 4.11 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN027252.D
Acq: 17 Sep 2015 13:49

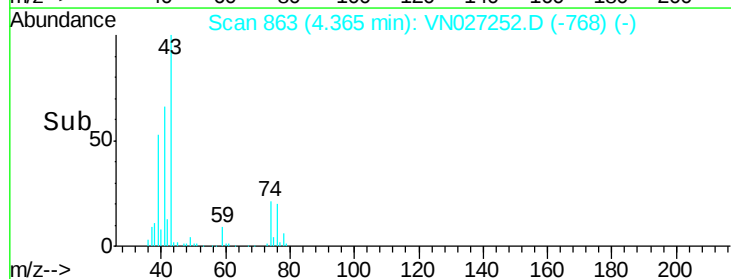
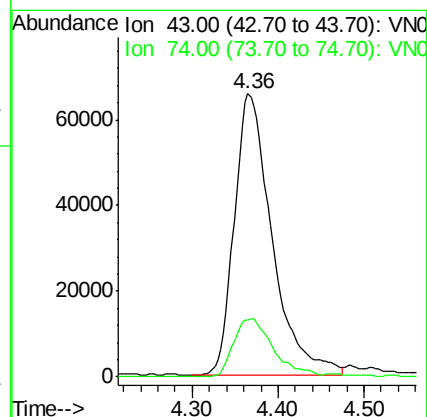
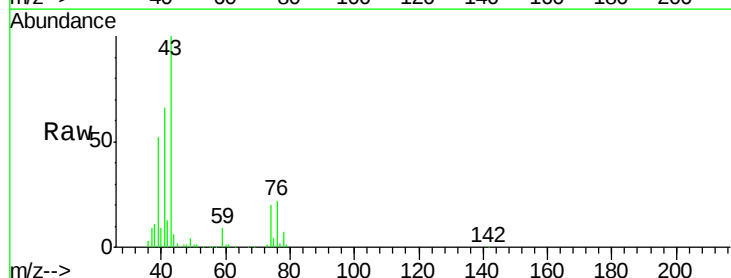
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER2015-02

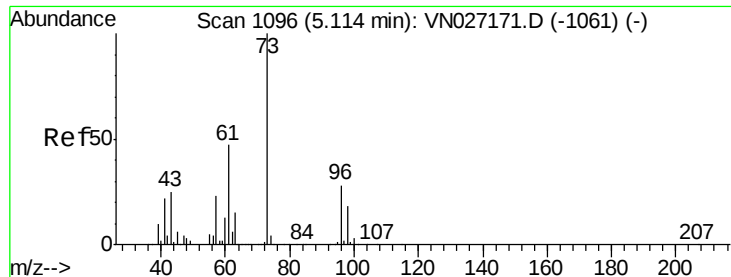
Tgt Ion: 76 Resp: 198248
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#19
Methyl Acetate
Concen: 9.41 ug/l
RT: 4.36 min Scan# 863
Delta R.T. 0.01 min
Lab File: VN027252.D
Acq: 17 Sep 2015 13:49

Tgt Ion: 43 Resp: 200570
Ion Ratio Lower Upper
43 100
74 21.7 16.2 24.2





#20

Methyl tert-butyl Ether

Concen: 9.64 ug/l

RT: 5.12 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

Instrument :

MSVOA_N

ClientSampleId :

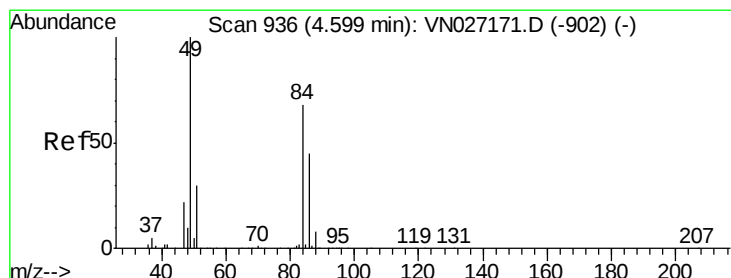
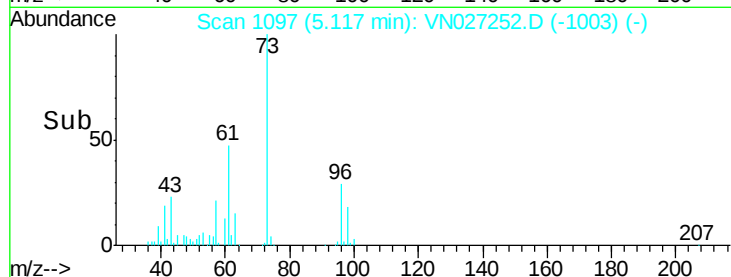
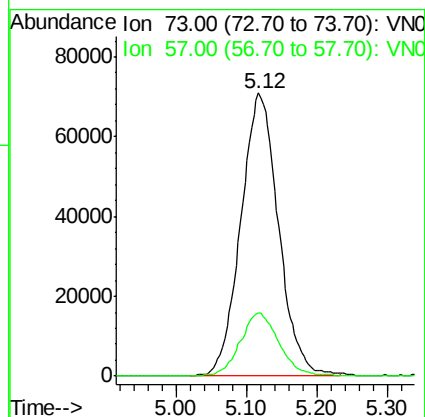
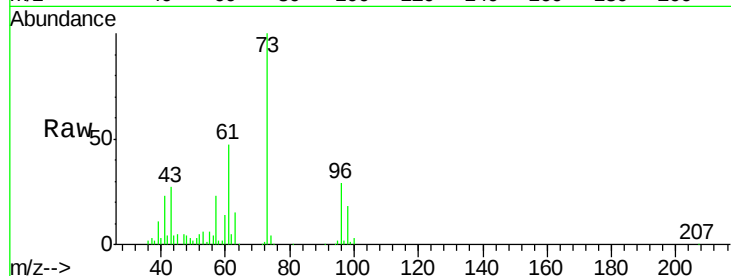
LOQ-WATER2015-02

Tgt Ion: 73 Resp: 264612

Ion Ratio Lower Upper

73 100

57 22.5 19.8 29.6



#21

Methylene Chloride

Concen: 9.94 ug/l

RT: 4.60 min Scan# 935

Delta R.T. -0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

Tgt Ion: 84 Resp: 81521

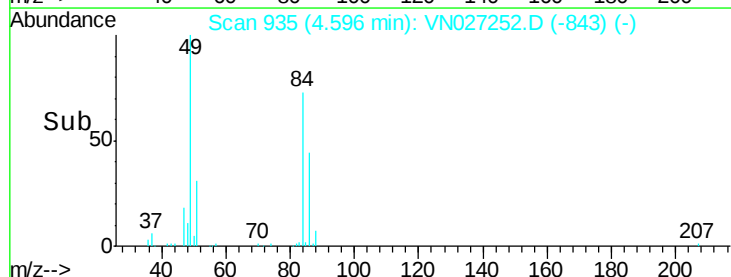
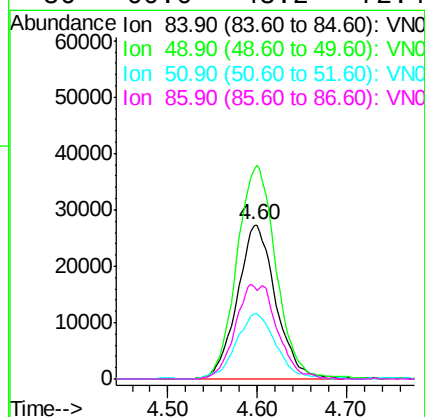
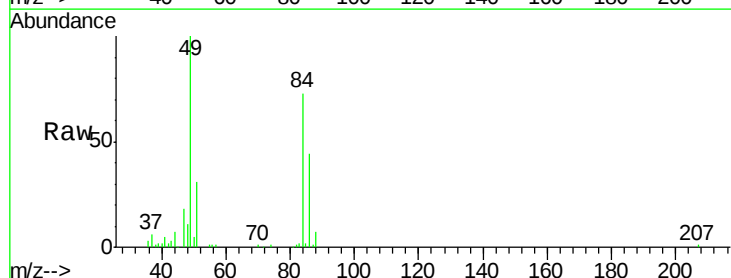
Ion Ratio Lower Upper

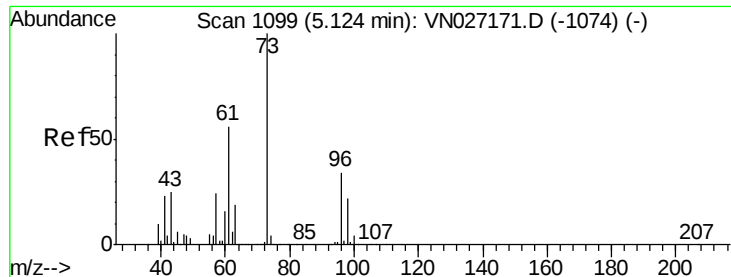
84 100

49 136.5 112.3 168.5

51 42.9 33.8 50.8

86 60.0 48.2 72.4

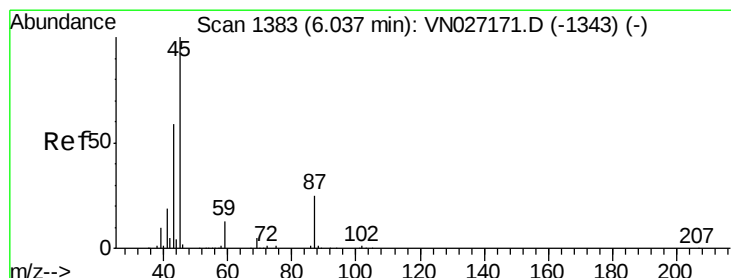
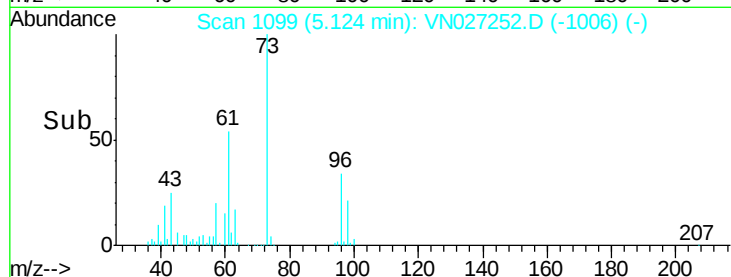
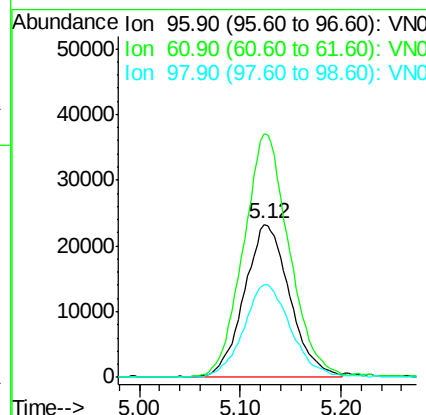
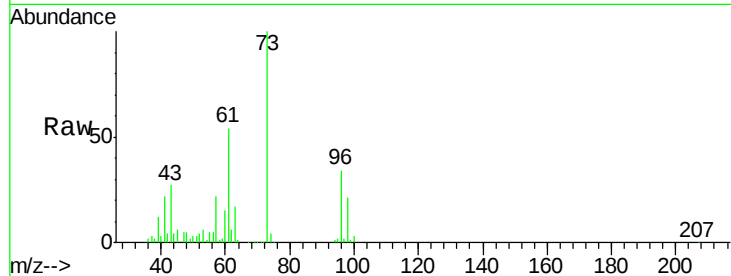




#22
trans-1,2-Dichloroethene
Concen: 9.84 ug/l
RT: 5.12 min Scan# 1099
Delta R.T. 0.00 min
Lab File: VN027252.D
Acq: 17 Sep 2015 13:49

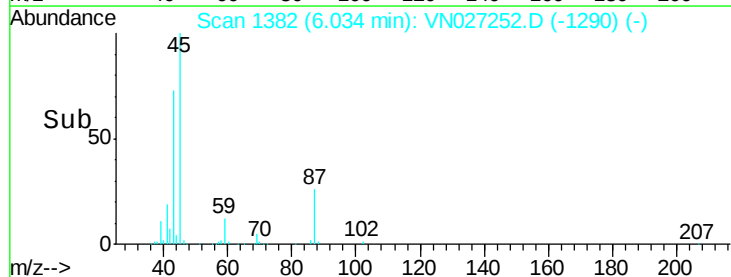
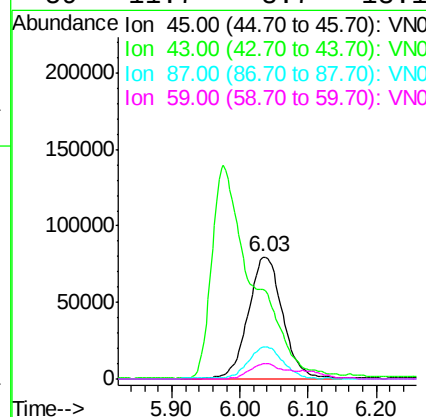
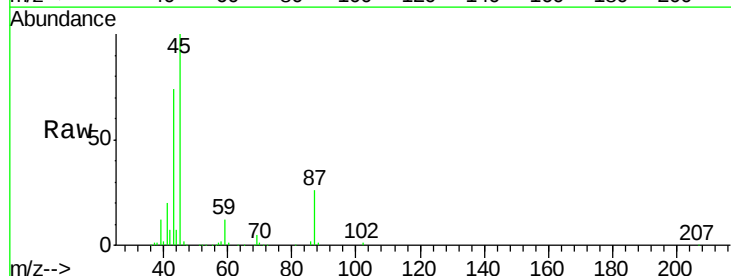
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER2015-02

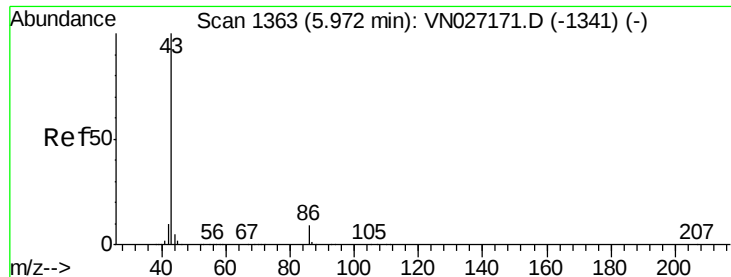
Tgt Ion: 96 Resp: 72812
Ion Ratio Lower Upper
96 100
61 158.1 126.6 189.8
98 60.2 47.4 71.2



#23
Diisopropyl ether
Concen: 9.69 ug/l
RT: 6.03 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VN027252.D
Acq: 17 Sep 2015 13:49

Tgt Ion: 45 Resp: 281011
Ion Ratio Lower Upper
45 100
43 71.8 41.0 61.6#
87 26.0 17.5 26.3
59 11.7 8.7 13.1





#24

Vinyl Acetate

Concen: 61.28 ug/l

RT: 5.98 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

Instrument :

MSVOA_N

ClientSampleId :

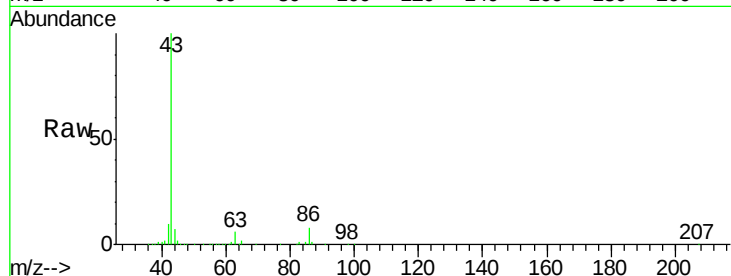
LOQ-WATER2015-02

Tgt Ion: 43 Resp: 587921

Ion Ratio Lower Upper

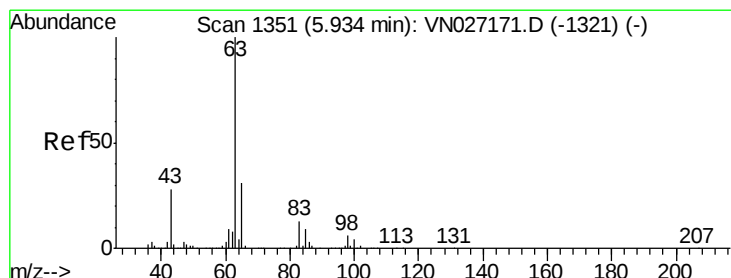
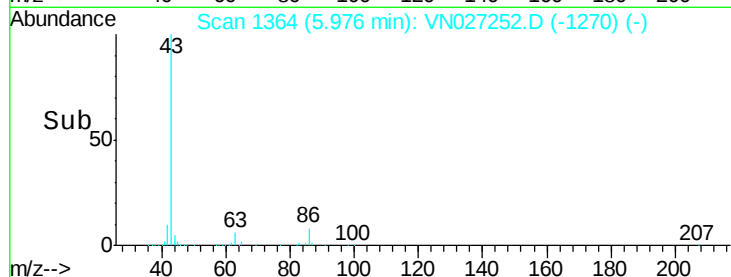
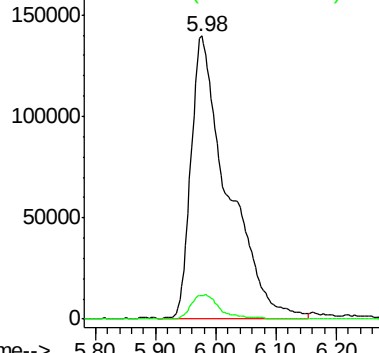
43 100

86 8.4 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#25

1,1-Dichloroethane

Concen: 9.77 ug/l

RT: 5.93 min Scan# 1351

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

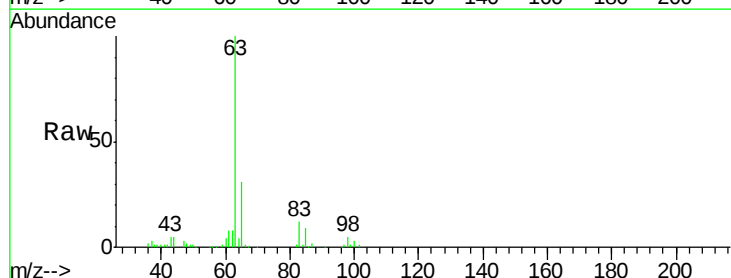
Tgt Ion: 63 Resp: 164586

Ion Ratio Lower Upper

63 100

98 4.8 2.8 8.3

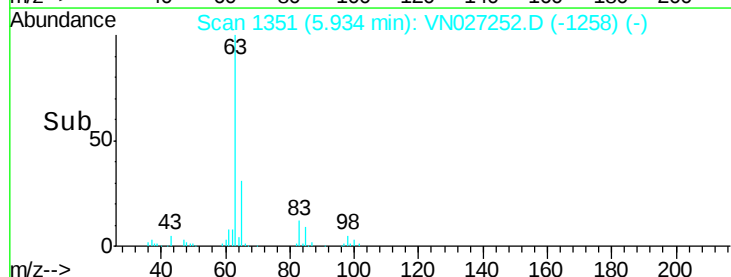
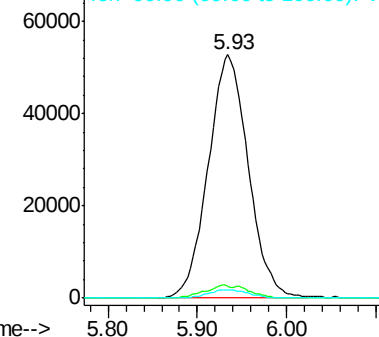
100 3.5 1.7 5.0

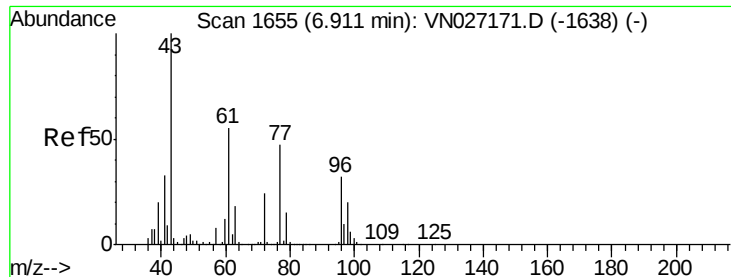


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

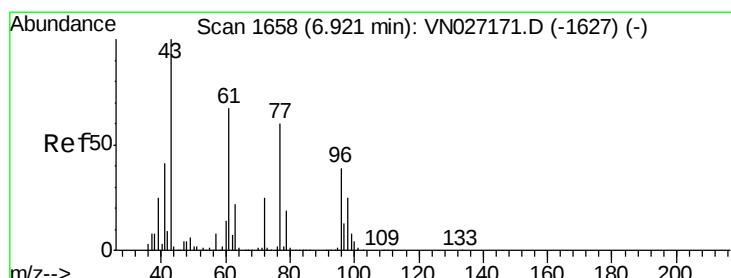
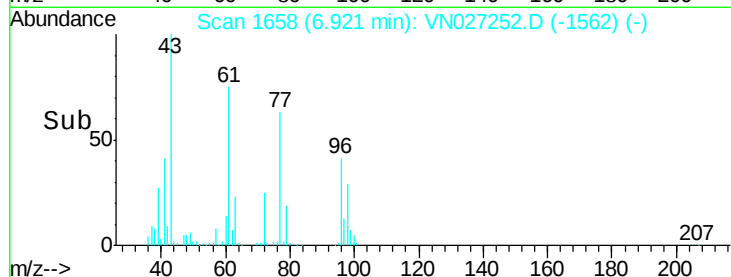
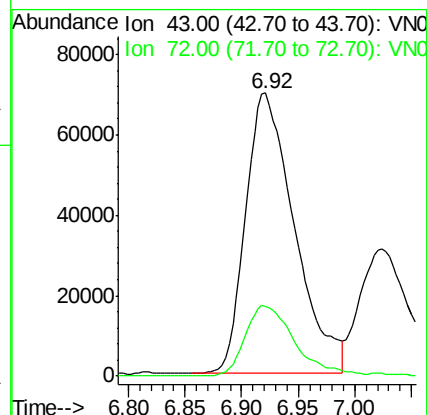
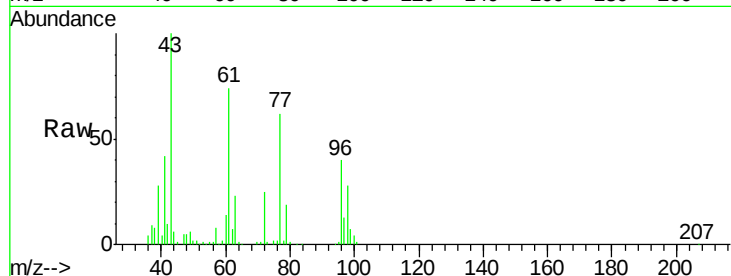




#26
 2-Butanone
 Concen: 47.53 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.01 min
 Lab File: VN027252.D
 Acq: 17 Sep 2015 13:49

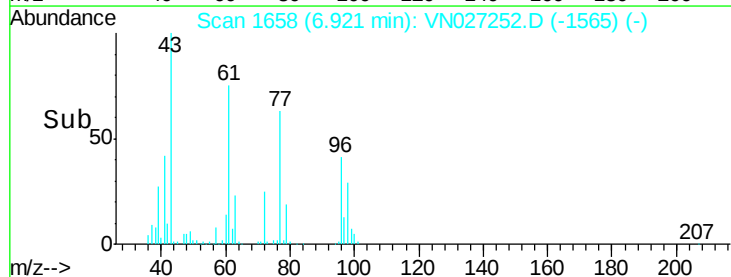
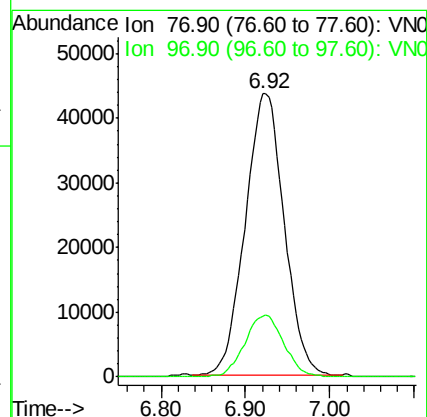
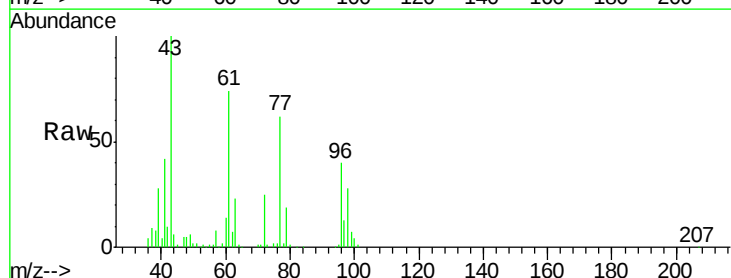
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER2015-02

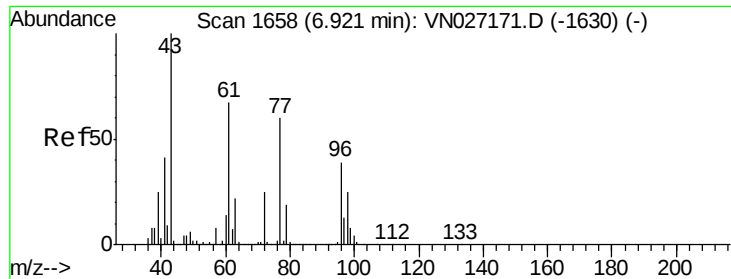
Tgt Ion: 43 Resp: 210659
 Ion Ratio Lower Upper
 43 100
 72 25.0 18.8 28.2



#27
 2,2-Dichloropropane
 Concen: 9.57 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027252.D
 Acq: 17 Sep 2015 13:49

Tgt Ion: 77 Resp: 139884
 Ion Ratio Lower Upper
 77 100
 97 22.0 11.8 35.3

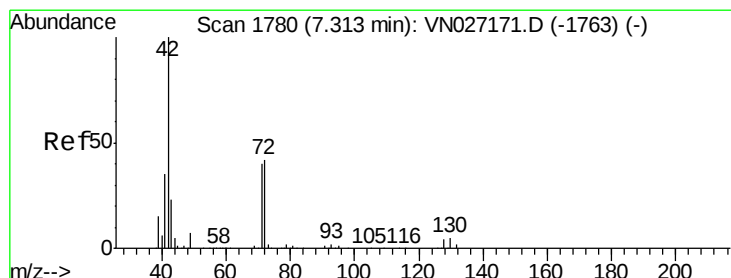
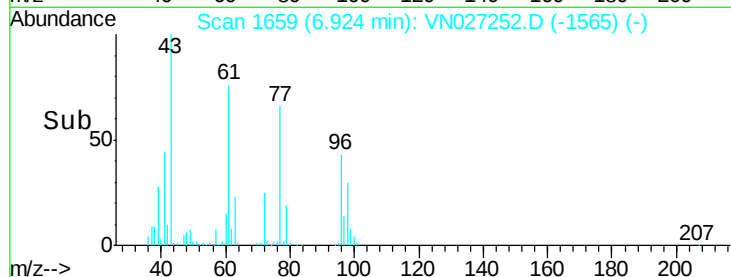
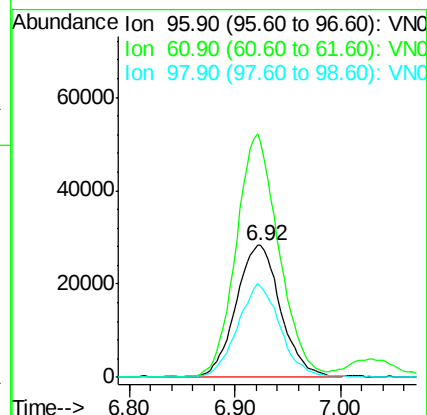
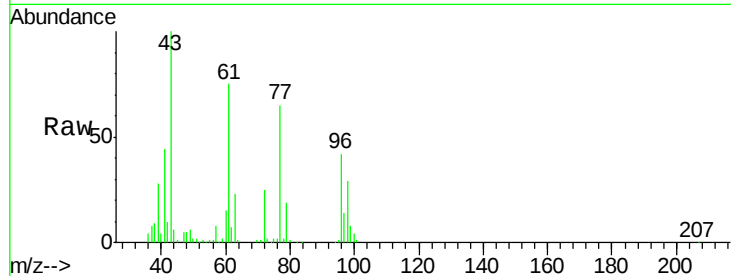




#28
 cis-1,2-Dichloroethene
 Concen: 9.79 ug/l
 RT: 6.92 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VN027252.D
 Acq: 17 Sep 2015 13:49

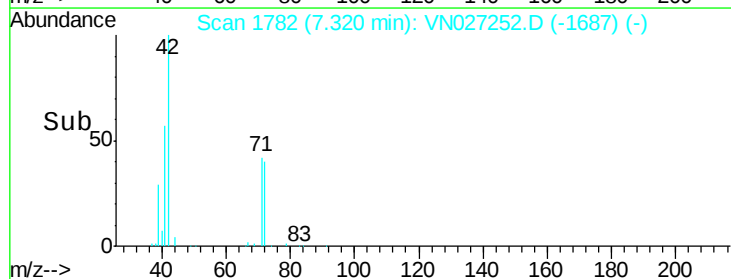
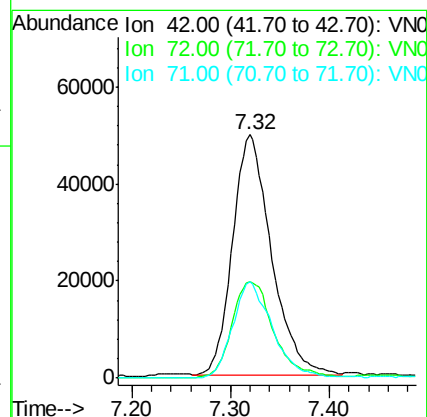
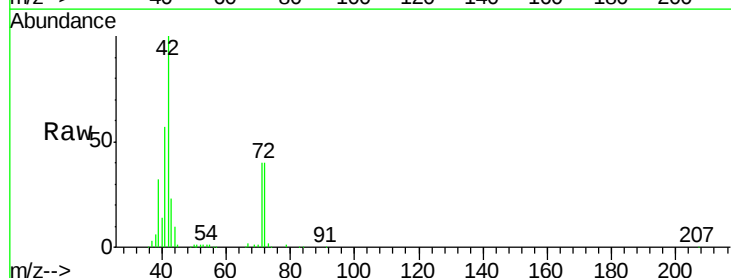
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER2015-02

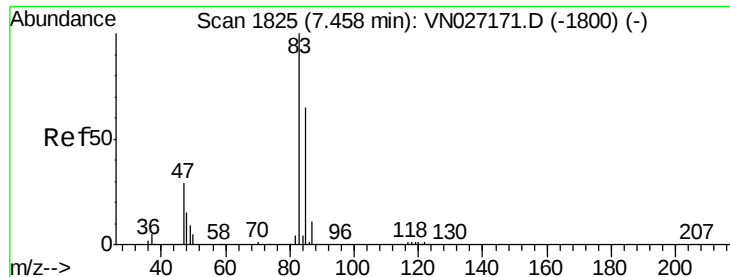
Tgt Ion: 96 Resp: 83034
 Ion Ratio Lower Upper
 96 100
 61 175.1 0.0 329.2
 98 67.6 0.0 126.0



#30
 Tetrahydrofuran
 Concen: 44.45 ug/l
 RT: 7.32 min Scan# 1782
 Delta R.T. 0.01 min
 Lab File: VN027252.D
 Acq: 17 Sep 2015 13:49

Tgt Ion: 42 Resp: 135750
 Ion Ratio Lower Upper
 42 100
 72 43.4 29.9 44.9
 71 40.9 28.3 42.5

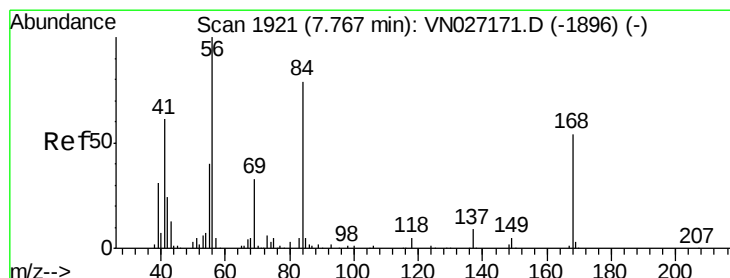
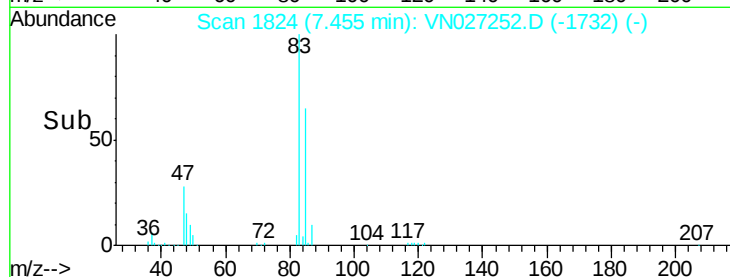
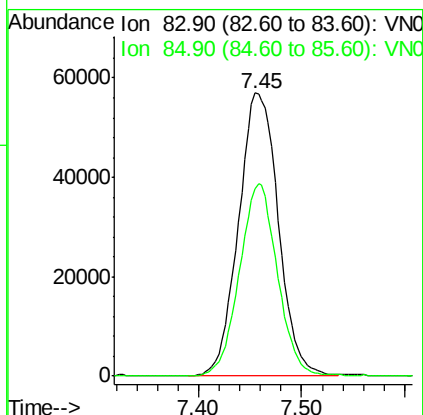
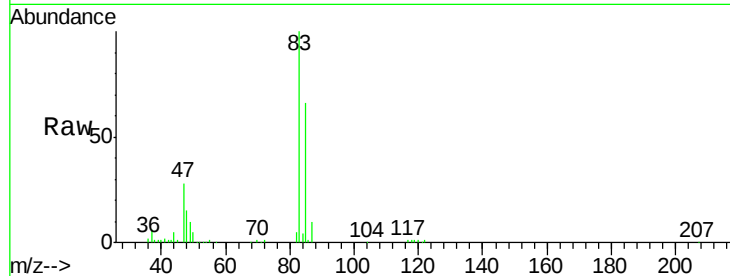




#31
Chloroform
Concen: 10.06 ug/l
RT: 7.45 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VN027252.D
Acq: 17 Sep 2015 13:49

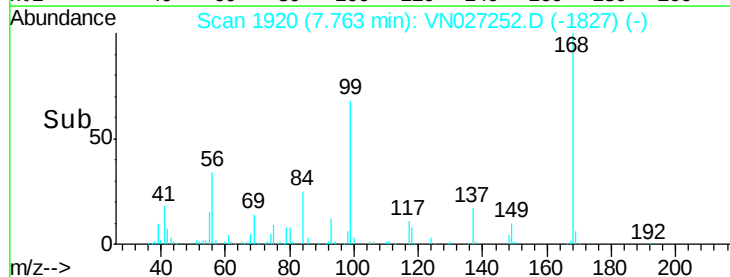
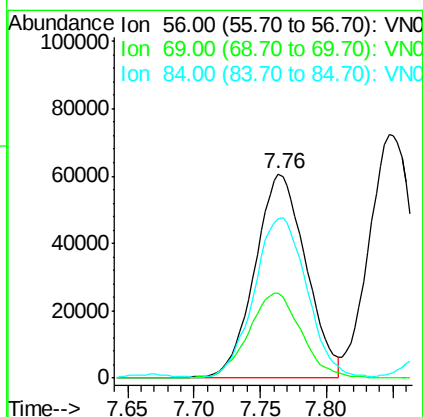
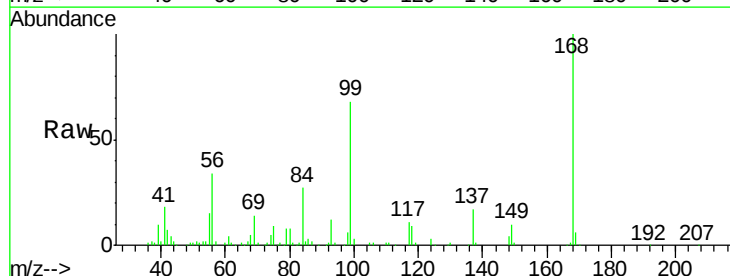
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER2015-02

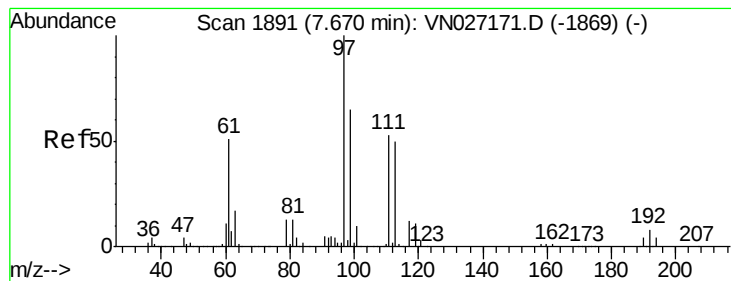
Tgt Ion: 83 Resp: 153073
Ion Ratio Lower Upper
83 100
85 66.1 51.1 76.7



#32
Cyclohexane
Concen: 10.05 ug/l
RT: 7.76 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VN027252.D
Acq: 17 Sep 2015 13:49

Tgt Ion: 56 Resp: 161675
Ion Ratio Lower Upper
56 100
69 41.6 23.0 34.4#
84 77.9 57.8 86.8





#33

1,1,1-Trichloroethane

Concen: 9.84 ug/l

RT: 7.67 min Scan# 1892

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER2015-02

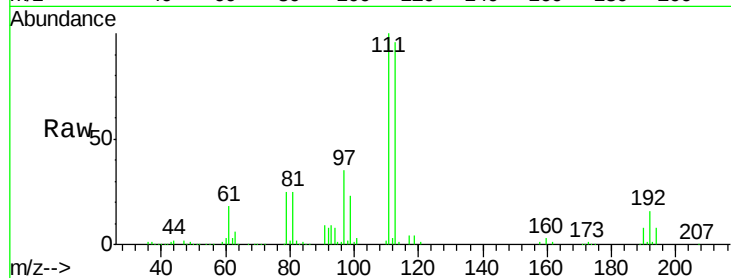
Tgt Ion: 97 Resp: 133432

Ion Ratio Lower Upper

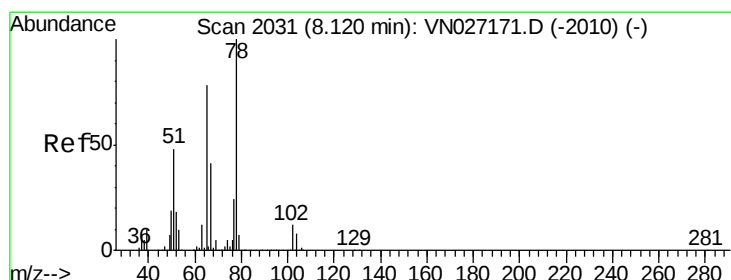
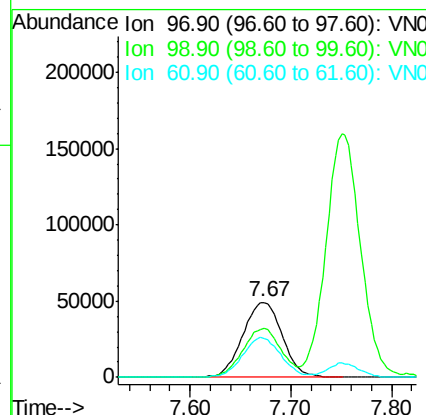
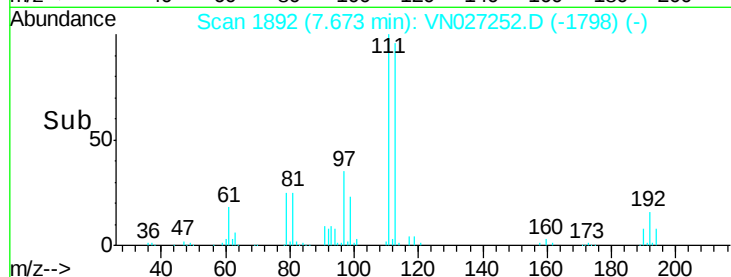
97 100

99 64.6 50.1 75.1

61 51.6 44.0 66.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0



#34

1,2-Dichloroethane-d4

Concen: 50.13 ug/l

RT: 8.12 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VN027252.D

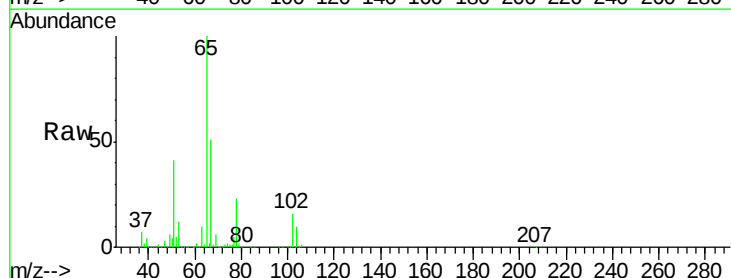
Acq: 17 Sep 2015 13:49

Tgt Ion: 65 Resp: 547221

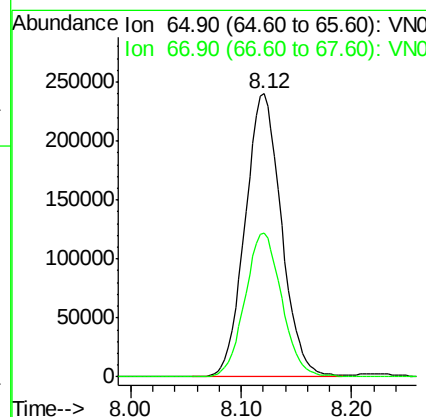
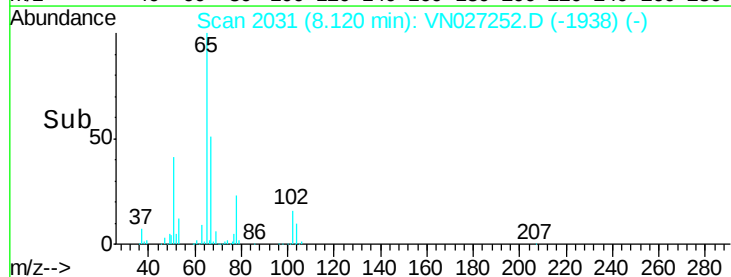
Ion Ratio Lower Upper

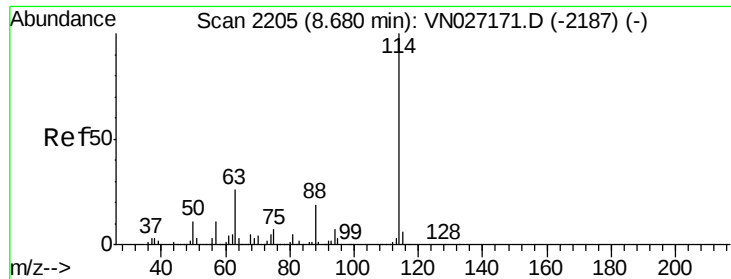
65 100

67 51.4 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

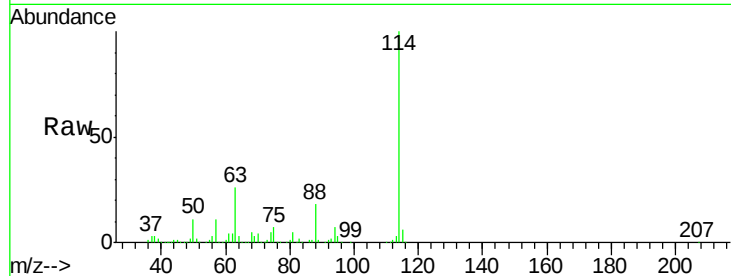




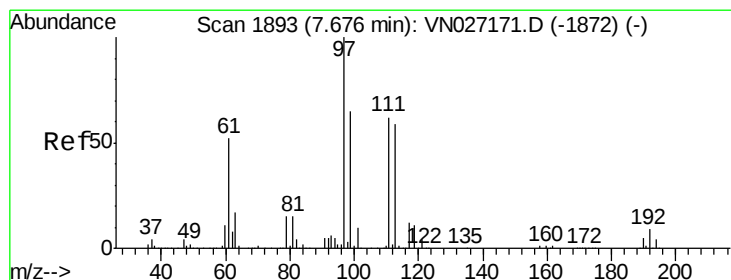
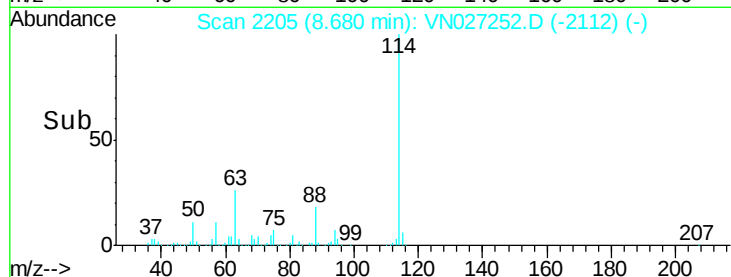
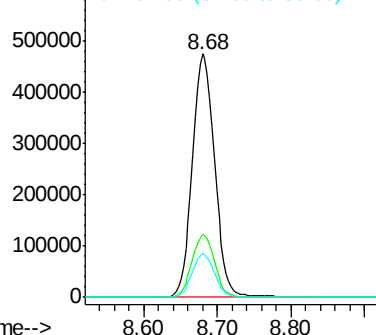
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027252.D
 Acq: 17 Sep 2015 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER2015-02

Tgt Ion:114 Resp: 1000919
 Ion Ratio Lower Upper
 114 100
 63 25.7 0.0 48.8
 88 17.9 0.0 32.2

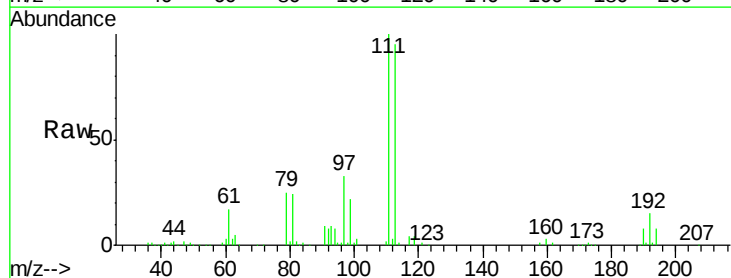


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

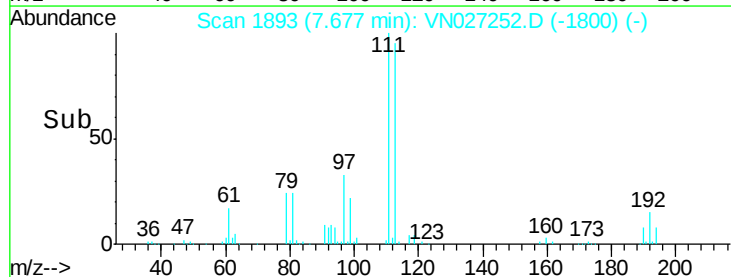
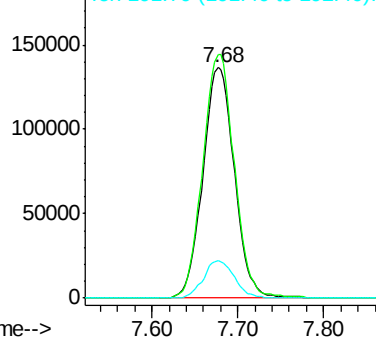


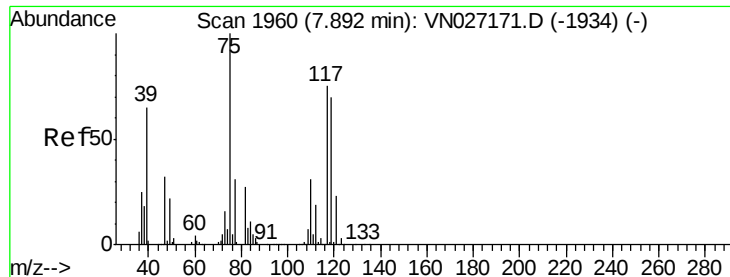
#36
 Dibromofluoromethane
 Concen: 50.03 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027252.D
 Acq: 17 Sep 2015 13:49

Tgt Ion:113 Resp: 347109
 Ion Ratio Lower Upper
 113 100
 111 106.2 83.0 124.4
 192 16.0 14.1 21.1



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

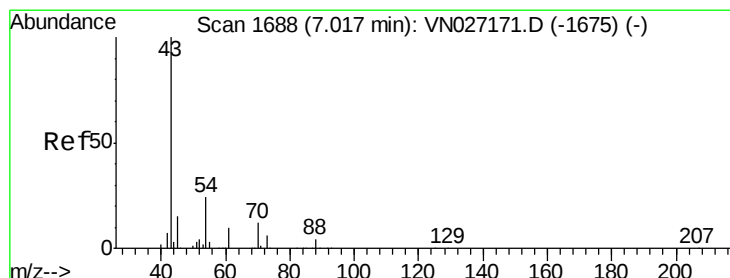
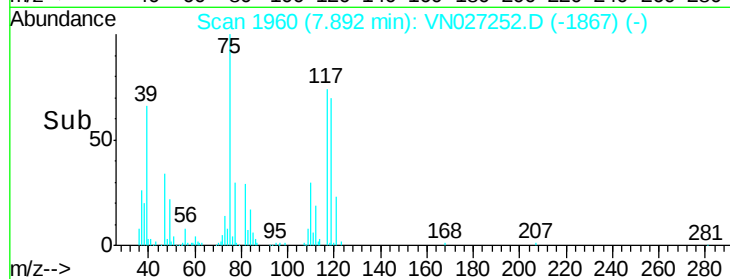
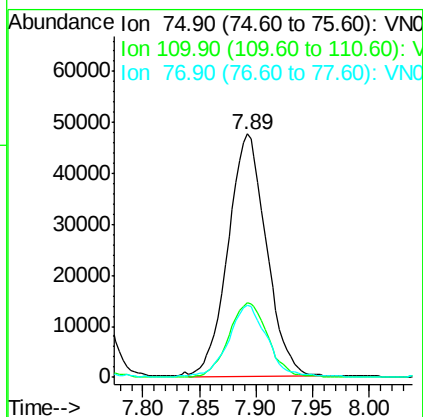
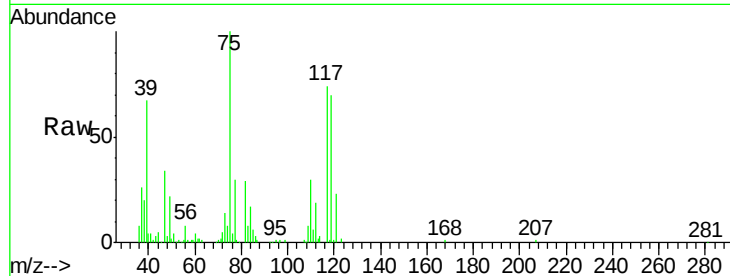




#37
 1,1-Dichloropropene
 Concen: 9.58 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VN027252.D
 Acq: 17 Sep 2015 13:49

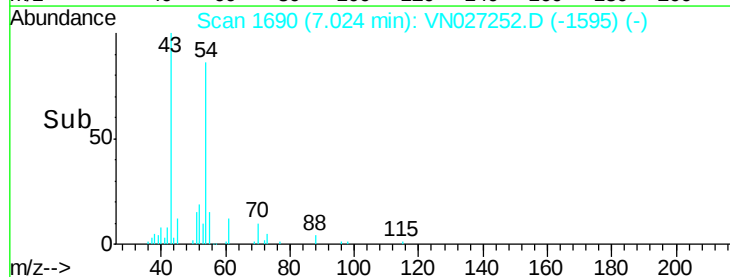
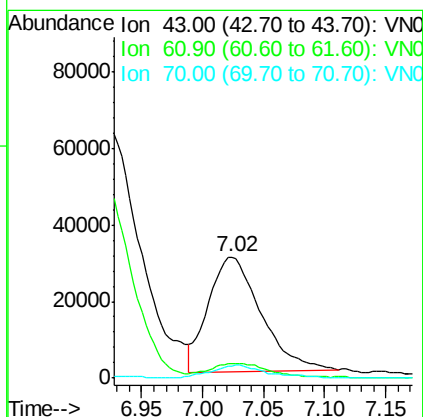
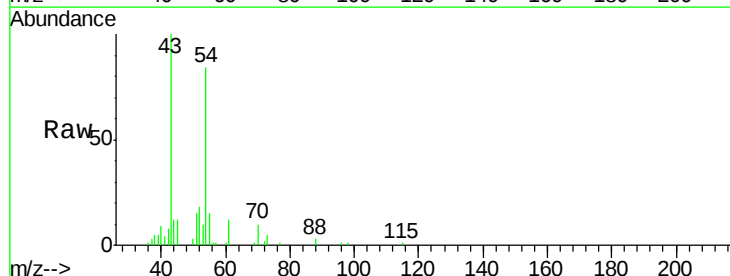
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER2015-02

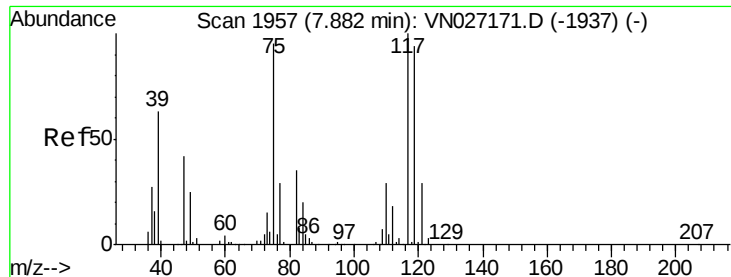
Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.6	15.9	47.7
77	30.5	24.9	37.3



#38
 Ethyl Acetate
 Concen: 8.13 ug/l
 RT: 7.02 min Scan# 1690
 Delta R.T. 0.01 min
 Lab File: VN027252.D
 Acq: 17 Sep 2015 13:49

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.2	15.4
70	10.7	7.4	11.0

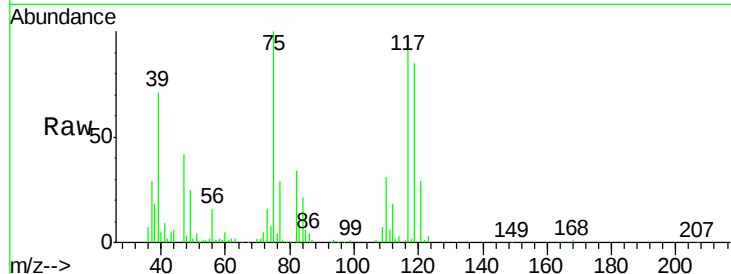




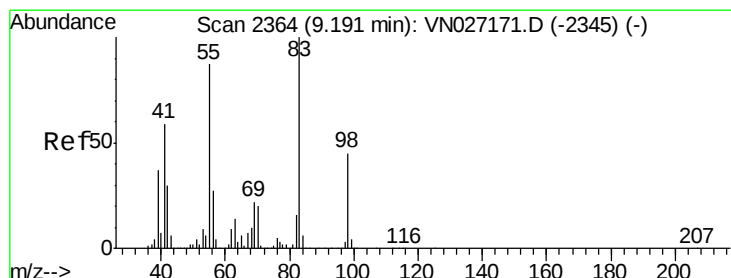
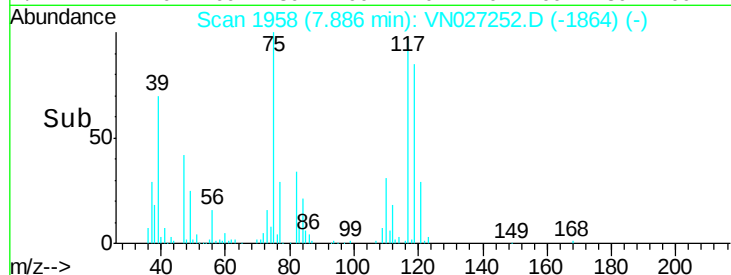
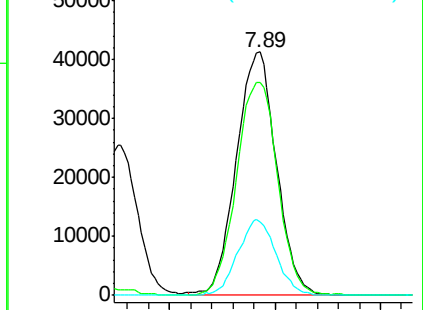
#39
Carbon Tetrachloride
Concen: 9.89 ug/l
RT: 7.89 min Scan# 1958
Delta R.T. 0.00 min
Lab File: VN027252.D
Acq: 17 Sep 2015 13:49

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER2015-02

Tgt Ion: 117 Resp: 108894
Ion Ratio Lower Upper
117 100
119 87.6 75.3 112.9
121 30.2 23.8 35.8

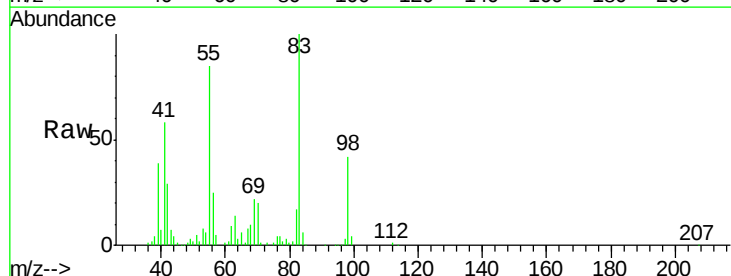


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

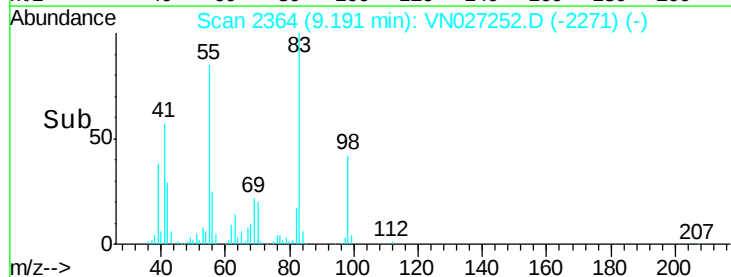
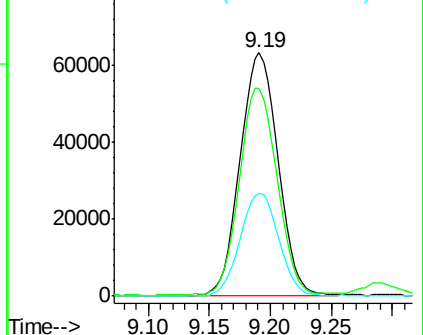


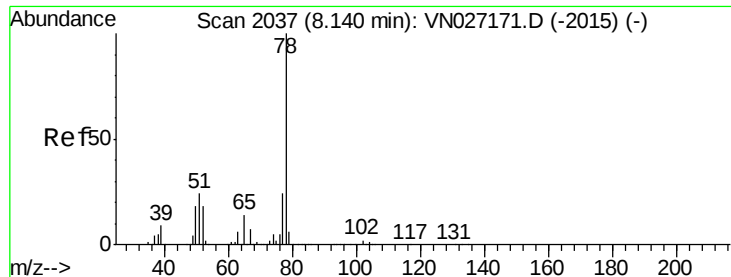
#40
Methylcyclohexane
Concen: 9.54 ug/l
RT: 9.19 min Scan# 2364
Delta R.T. 0.00 min
Lab File: VN027252.D
Acq: 17 Sep 2015 13:49

Tgt Ion: 83 Resp: 136073
Ion Ratio Lower Upper
83 100
55 84.6 69.8 104.8
98 42.3 34.3 51.5



Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO





#41

Benzene

Concen: 9.75 ug/l

RT: 8.14 min Scan# 2038

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

Instrument :

MSVOA_N

ClientSampleId :

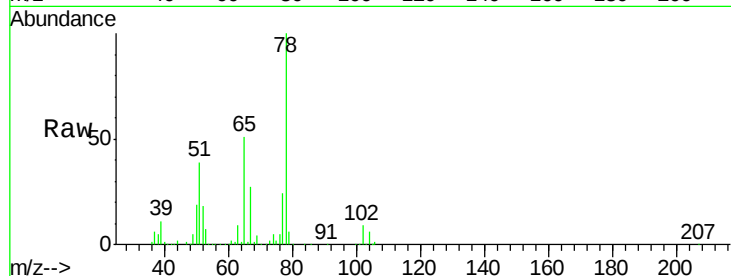
LOQ-WATER2015-02

Tgt Ion: 78 Resp: 333449

Ion Ratio Lower Upper

78 100

77 24.3 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.14

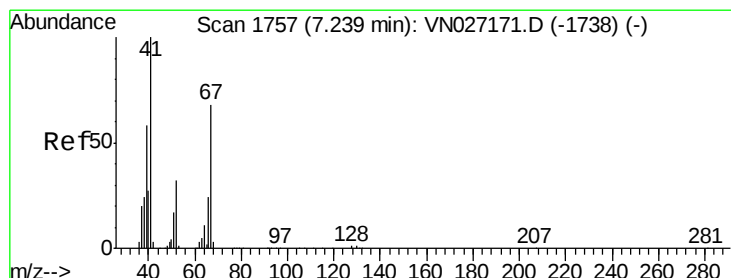
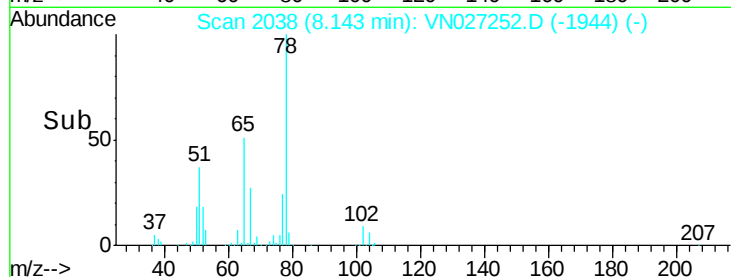
150000

100000

50000

0

Time-->



#42

Methacrylonitrile

Concen: 9.21 ug/l

RT: 7.25 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

Tgt Ion: 41 Resp: 52168

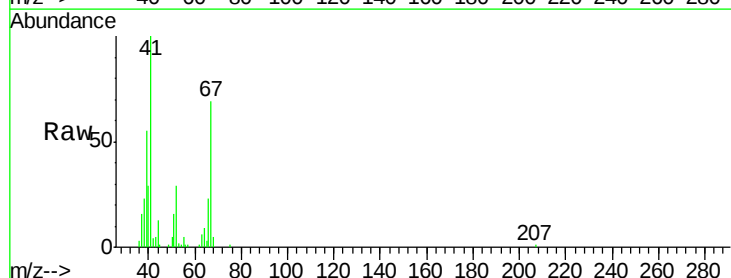
Ion Ratio Lower Upper

41 100

39 60.2 43.0 64.6

67 73.6 52.2 78.2

52 31.2 21.3 31.9



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

40000

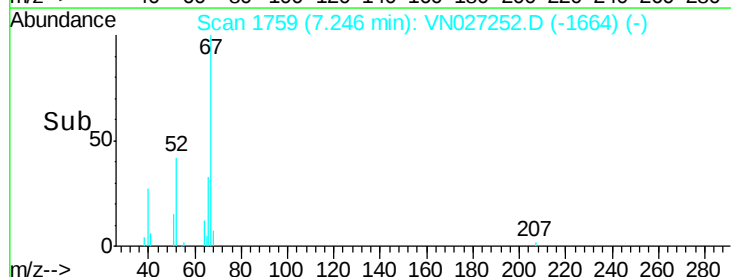
30000

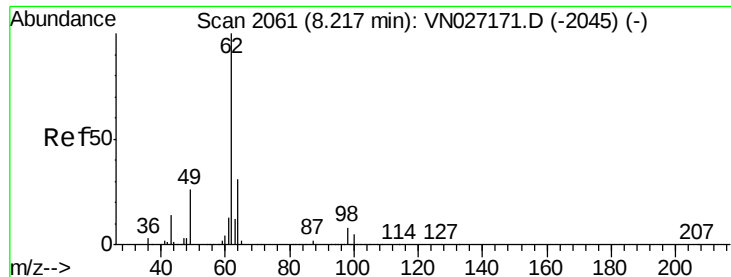
20000

10000

0

Time-->

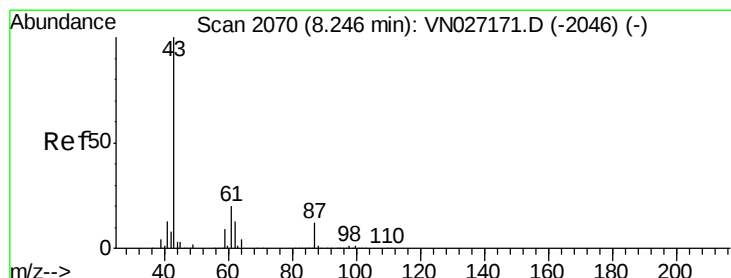
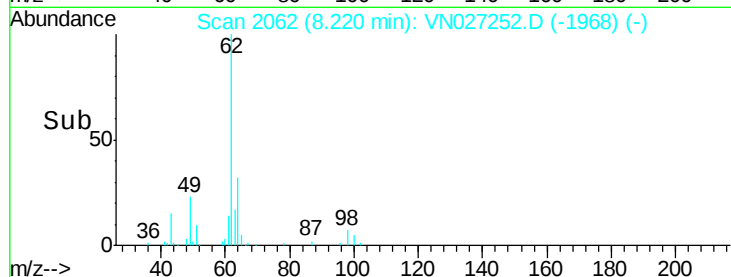
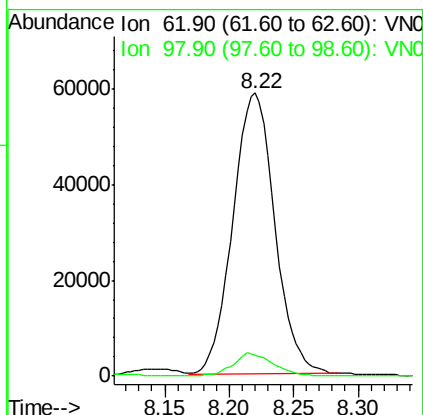
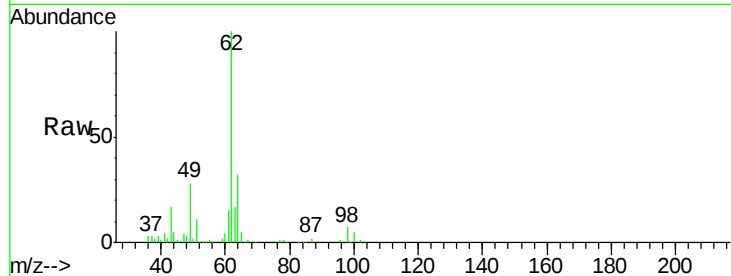




#43
 1,2-Dichloroethane
 Concen: 9.65 ug/l
 RT: 8.22 min Scan# 2062
 Delta R.T. 0.00 min
 Lab File: VN027252.D
 Acq: 17 Sep 2015 13:49

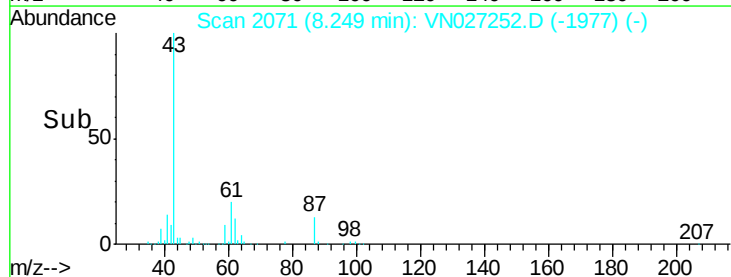
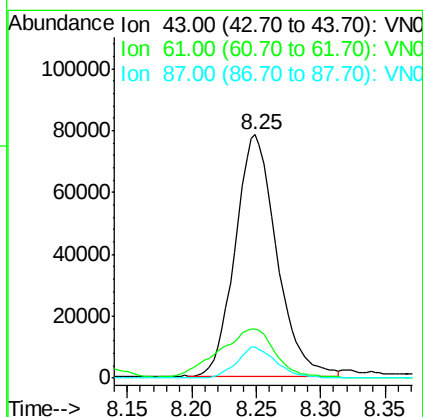
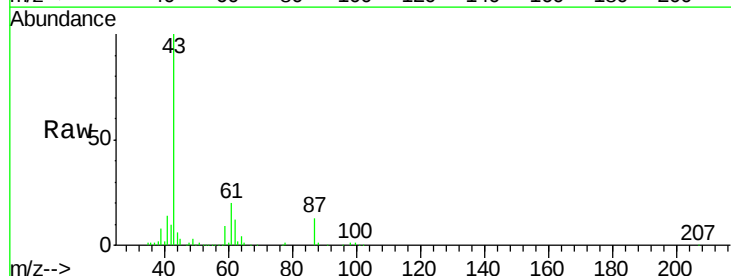
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER2015-02

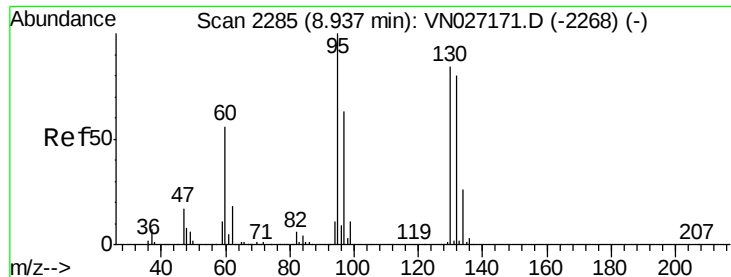
Tgt Ion: 62 Resp: 132955
 Ion Ratio Lower Upper
 62 100
 98 7.9 0.0 18.0



#44
 Isopropyl Acetate
 Concen: 9.38 ug/l
 RT: 8.25 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VN027252.D
 Acq: 17 Sep 2015 13:49

Tgt Ion: 43 Resp: 175680
 Ion Ratio Lower Upper
 43 100
 61 27.2 20.6 31.0
 87 12.2 8.6 13.0





#45

Trichloroethene

Concen: 9.92 ug/l

RT: 8.94 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

Instrument :

MSVOA_N

ClientSampleId :

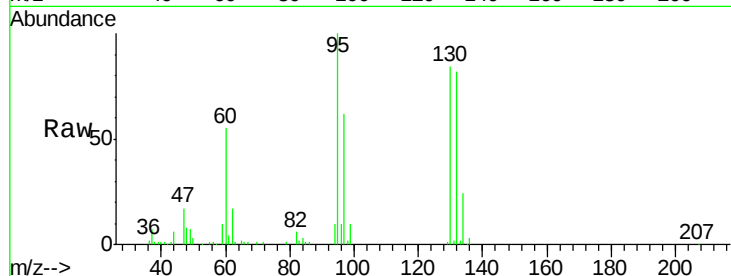
LOQ-WATER2015-02

Tgt Ion:130 Resp: 68110

Ion Ratio Lower Upper

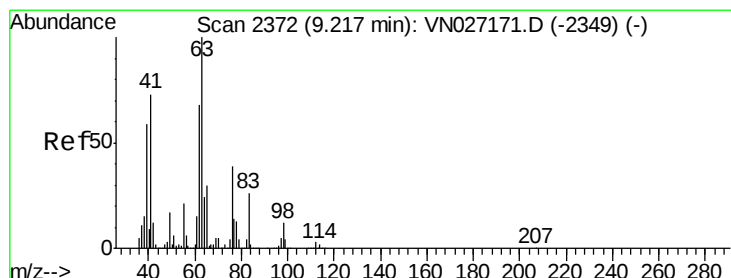
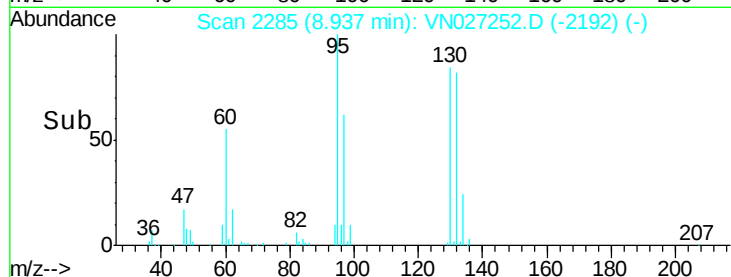
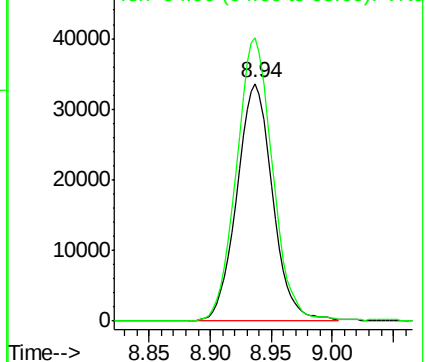
130 100

95 119.2 0.0 222.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VNO



#46

1,2-Dichloropropane

Concen: 9.94 ug/l

RT: 9.22 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN027252.D

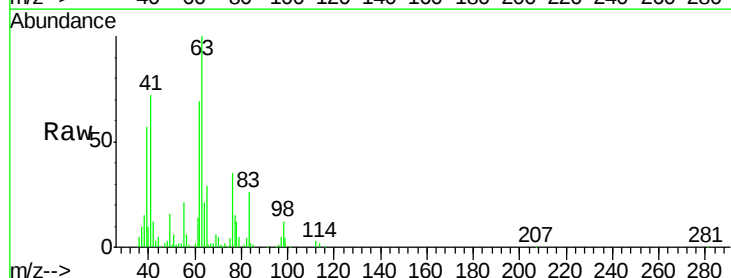
Acq: 17 Sep 2015 13:49

Tgt Ion: 63 Resp: 97771

Ion Ratio Lower Upper

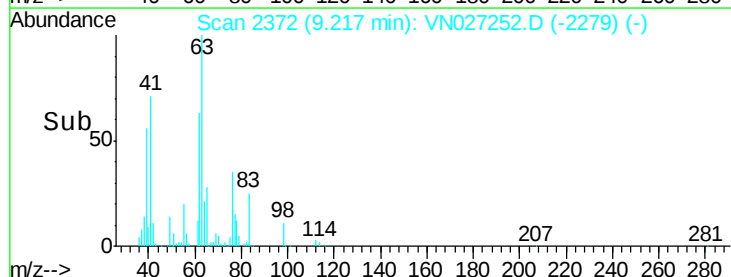
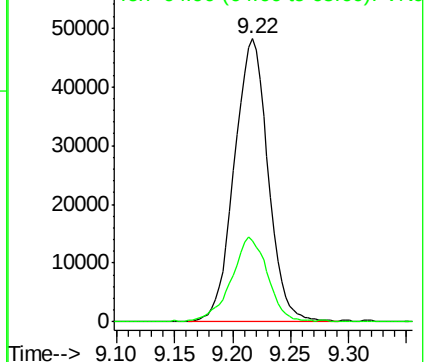
63 100

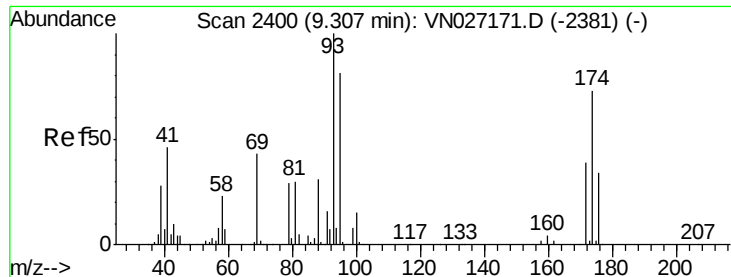
65 28.7 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO





#47

Dibromomethane

Concen: 9.72 ug/l

RT: 9.31 min Scan# 2400

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER2015-02

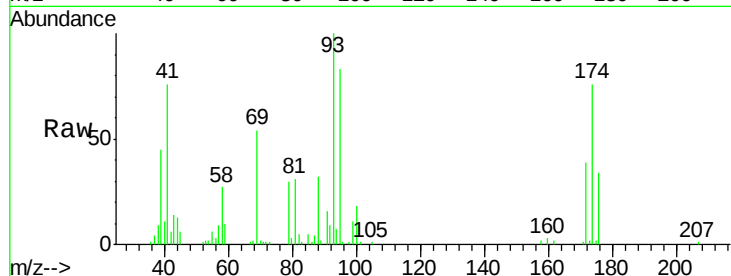
Tgt Ion: 93 Resp: 56104

Ion Ratio Lower Upper

93 100

95 79.9 66.3 99.5

174 75.5 67.8 101.6



Abundance Ion 92.80 (92.50 to 93.50): VN027171.D (-2381) (-)

Ion 94.80 (94.50 to 95.50): VN027171.D (-2381) (-)

Ion 173.70 (173.40 to 174.40): VN027171.D (-2381) (-)

Time-->

9.20 9.25 9.30 9.35 9.40

Abundance

Ion 92.80 (92.50 to 93.50): VN027171.D (-2381) (-)

Ion 94.80 (94.50 to 95.50): VN027171.D (-2381) (-)

Ion 173.70 (173.40 to 174.40): VN027171.D (-2381) (-)

Time-->

9.20 9.25 9.30 9.35 9.40

Abundance

Ion 92.80 (92.50 to 93.50): VN027171.D (-2381) (-)

Ion 94.80 (94.50 to 95.50): VN027171.D (-2381) (-)

Ion 173.70 (173.40 to 174.40): VN027171.D (-2381) (-)

Time-->

9.20 9.25 9.30 9.35 9.40

Abundance

Ion 92.80 (92.50 to 93.50): VN027171.D (-2381) (-)

Ion 94.80 (94.50 to 95.50): VN027171.D (-2381) (-)

Ion 173.70 (173.40 to 174.40): VN027171.D (-2381) (-)

Time-->

9.20 9.25 9.30 9.35 9.40

Abundance

Ion 92.80 (92.50 to 93.50): VN027171.D (-2381) (-)

Ion 94.80 (94.50 to 95.50): VN027171.D (-2381) (-)

Ion 173.70 (173.40 to 174.40): VN027171.D (-2381) (-)

Time-->

9.20 9.25 9.30 9.35 9.40

Abundance

Ion 92.80 (92.50 to 93.50): VN027171.D (-2381) (-)

Ion 94.80 (94.50 to 95.50): VN027171.D (-2381) (-)

Ion 173.70 (173.40 to 174.40): VN027171.D (-2381) (-)

Time-->

9.20 9.25 9.30 9.35 9.40

Abundance

Ion 92.80 (92.50 to 93.50): VN027171.D (-2381) (-)

Ion 94.80 (94.50 to 95.50): VN027171.D (-2381) (-)

Ion 173.70 (173.40 to 174.40): VN027171.D (-2381) (-)

Time-->

9.20 9.25 9.30 9.35 9.40

Abundance

Ion 92.80 (92.50 to 93.50): VN027171.D (-2381) (-)

Ion 94.80 (94.50 to 95.50): VN027171.D (-2381) (-)

Ion 173.70 (173.40 to 174.40): VN027171.D (-2381) (-)

Time-->

9.20 9.25 9.30 9.35 9.40

Abundance

Ion 92.80 (92.50 to 93.50): VN027171.D (-2381) (-)

Ion 94.80 (94.50 to 95.50): VN027171.D (-2381) (-)

Ion 173.70 (173.40 to 174.40): VN027171.D (-2381) (-)

Time-->

9.20 9.25 9.30 9.35 9.40

Abundance

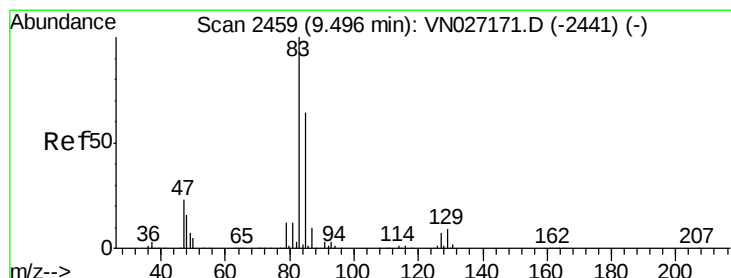
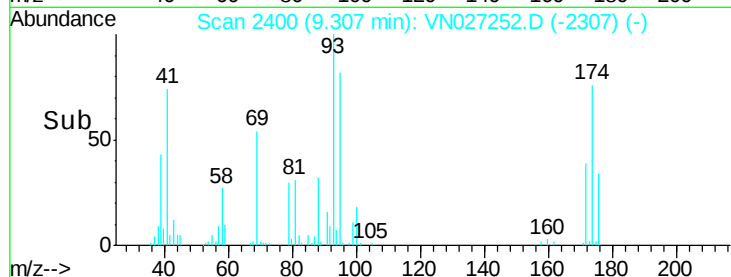
Ion 92.80 (92.50 to 93.50): VN027171.D (-2381) (-)

Ion 94.80 (94.50 to 95.50): VN027171.D (-2381) (-)

Ion 173.70 (173.40 to 174.40): VN027171.D (-2381) (-)

Time-->

9.20 9.25 9.30 9.35 9.40



#48

Bromodichloromethane

Concen: 9.54 ug/l

RT: 9.50 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

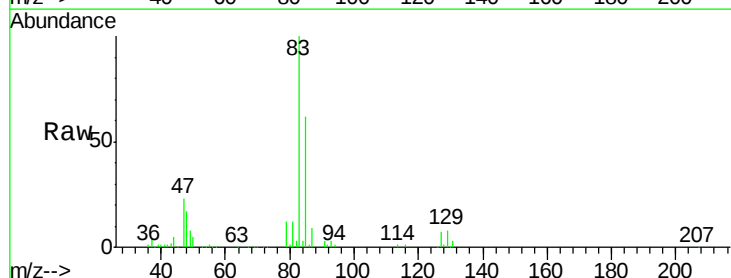
Tgt Ion: 83 Resp: 116093

Ion Ratio Lower Upper

83 100

85 61.5 50.7 76.1

127 6.5 5.5 8.3



Abundance Ion 82.90 (82.60 to 83.60): VN027171.D (-2441) (-)

Ion 84.90 (84.60 to 85.60): VN027171.D (-2441) (-)

Ion 126.80 (126.50 to 127.50): VN027171.D (-2441) (-)

Time-->

9.40 9.45 9.50 9.55 9.60

Abundance

Ion 82.90 (82.60 to 83.60): VN027171.D (-2441) (-)

Ion 84.90 (84.60 to 85.60): VN027171.D (-2441) (-)

Ion 126.80 (126.50 to 127.50): VN027171.D (-2441) (-)

Time-->

9.40 9.45 9.50 9.55 9.60

Abundance

Ion 82.90 (82.60 to 83.60): VN027171.D (-2441) (-)

Ion 84.90 (84.60 to 85.60): VN027171.D (-2441) (-)

Ion 126.80 (126.50 to 127.50): VN027171.D (-2441) (-)

Time-->

9.40 9.45 9.50 9.55 9.60

Abundance

Ion 82.90 (82.60 to 83.60): VN027171.D (-2441) (-)

Ion 84.90 (84.60 to 85.60): VN027171.D (-2441) (-)

Ion 126.80 (126.50 to 127.50): VN027171.D (-2441) (-)

Time-->

9.40 9.45 9.50 9.55 9.60

Abundance

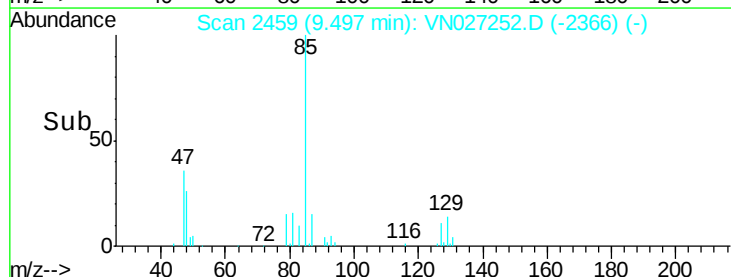
Ion 82.90 (82.60 to 83.60): VN027171.D (-2441) (-)

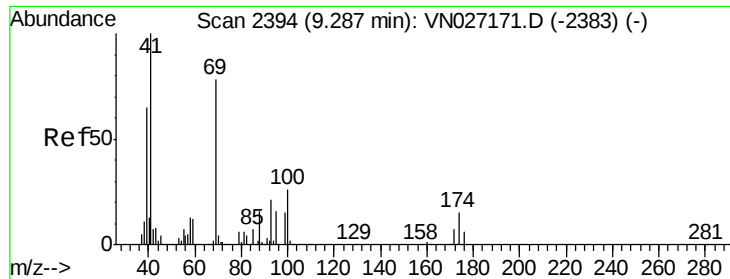
Ion 84.90 (84.60 to 85.60): VN027171.D (-2441) (-)

Ion 126.80 (126.50 to 127.50): VN027171.D (-2441) (-)

Time-->

9.40 9.45 9.50 9.55 9.60

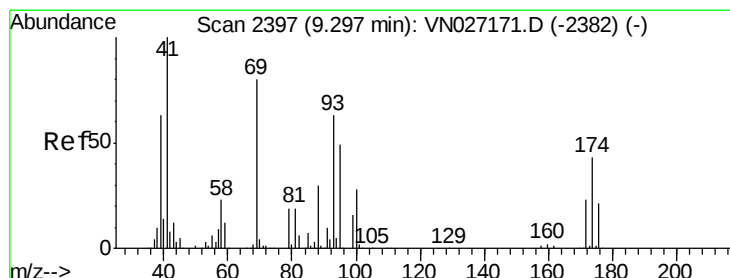
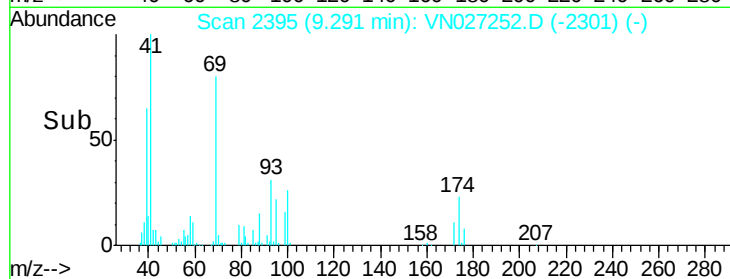
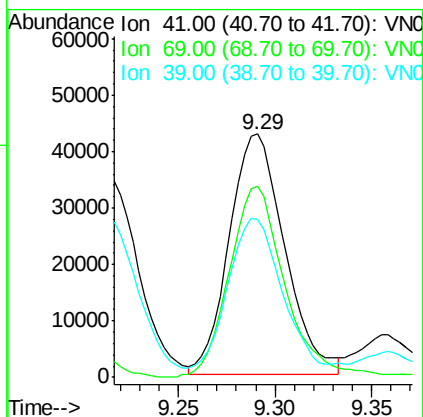
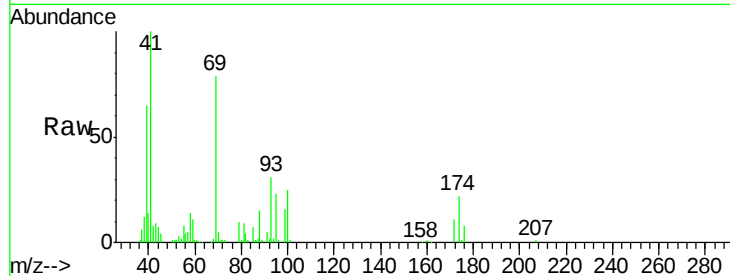




#49
Methyl methacrylate
Concen: 9.10 ug/l
RT: 9.29 min Scan# 2395
Delta R.T. 0.00 min
Lab File: VN027252.D
Acq: 17 Sep 2015 13:49

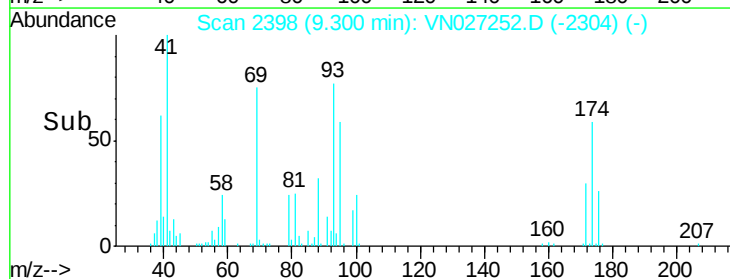
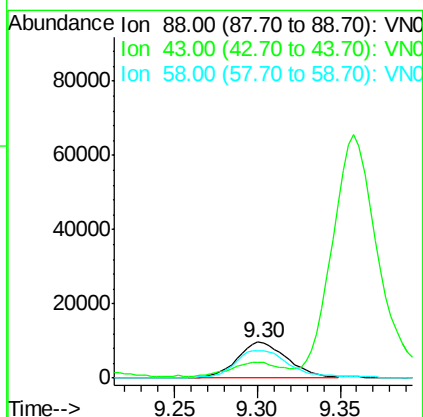
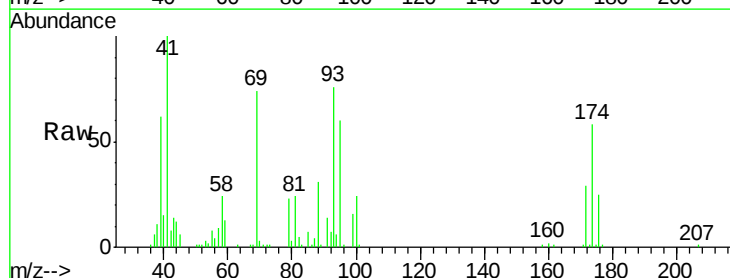
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER2015-02

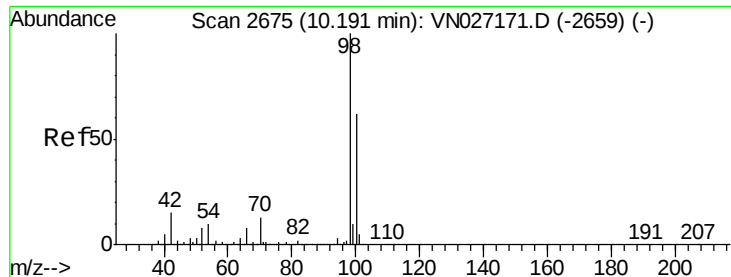
Tgt Ion: 41 Resp: 84882
Ion Ratio Lower Upper
41 100
69 80.3 59.3 88.9
39 64.2 39.5 59.3#



#50
1,4-Dioxane
Concen: 185.57 ug/l
RT: 9.30 min Scan# 2398
Delta R.T. 0.00 min
Lab File: VN027252.D
Acq: 17 Sep 2015 13:49

Tgt Ion: 88 Resp: 20303
Ion Ratio Lower Upper
88 100
43 40.6 27.6 41.4
58 83.7 63.1 94.7





#51

Toluene-d8

Concen: 49.88 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

Instrument :

MSVOA_N

ClientSampleId :

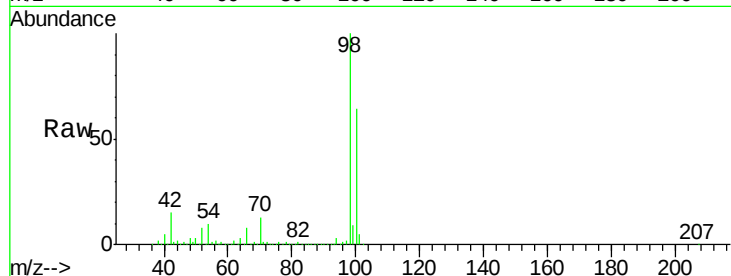
LOQ-WATER2015-02

Tgt Ion: 98 Resp: 1354940

Ion Ratio Lower Upper

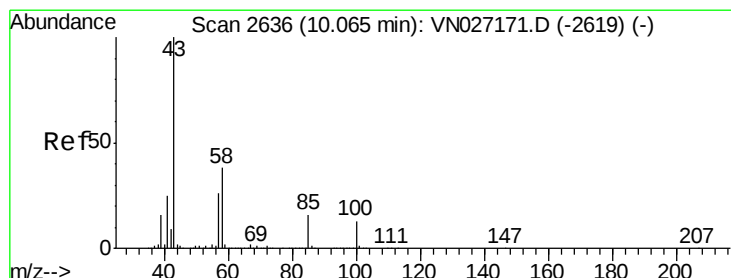
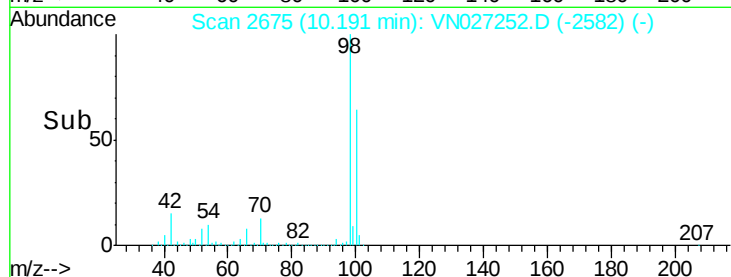
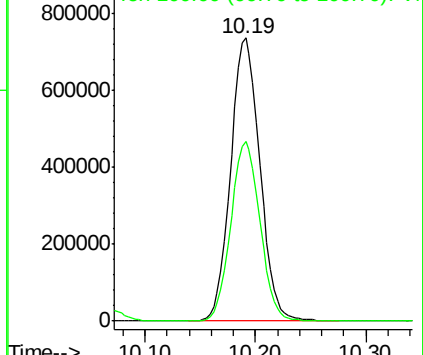
98 100

100 63.2 50.5 75.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#52

4-Methyl-2-Pentanone

Concen: 46.67 ug/l

RT: 10.07 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VN027252.D

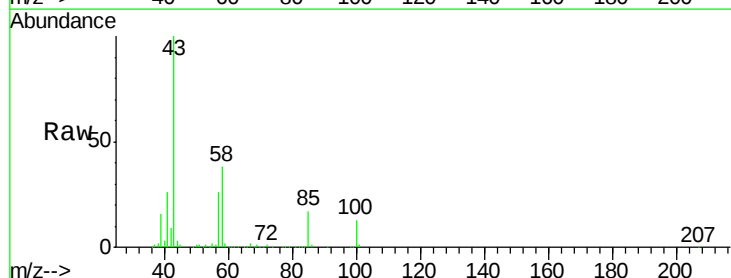
Acq: 17 Sep 2015 13:49

Tgt Ion: 43 Resp: 462026

Ion Ratio Lower Upper

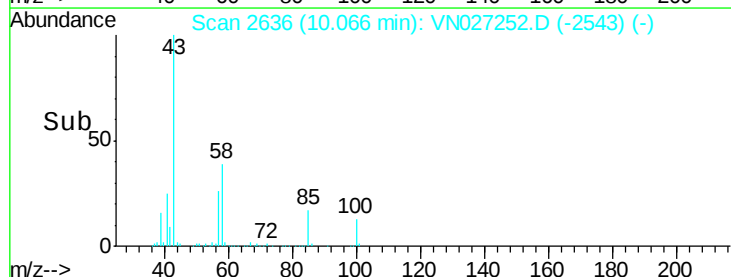
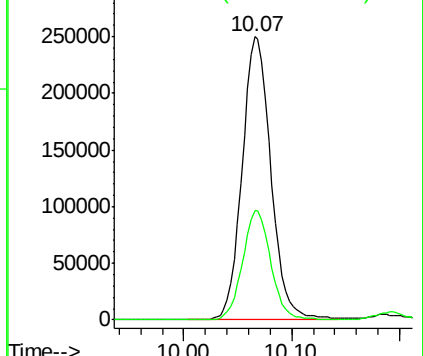
43 100

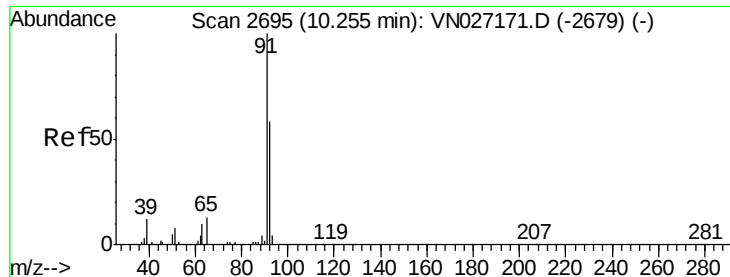
58 38.2 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#53

Toluene

Concen: 10.04 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

Instrument :

MSVOA_N

ClientSampleId :

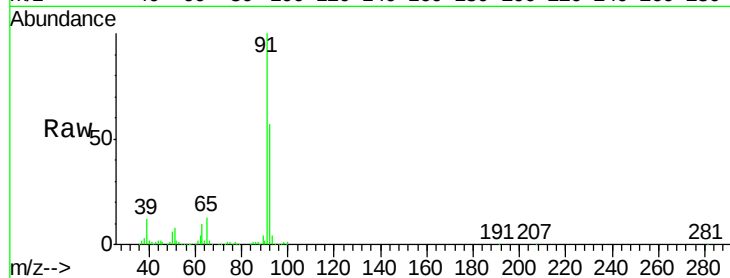
LOQ-WATER2015-02

Tgt Ion: 92 Resp: 201113

Ion Ratio Lower Upper

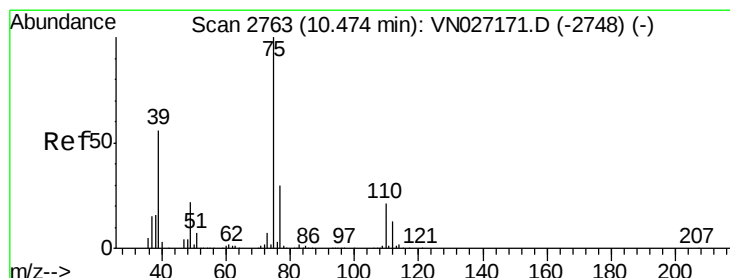
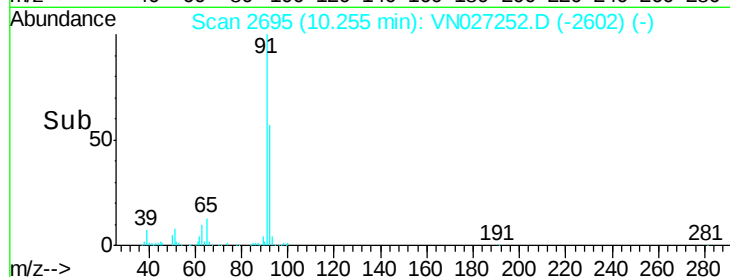
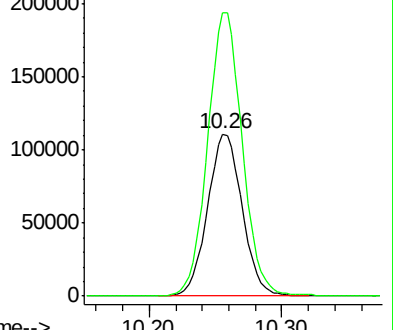
92 100

91 174.7 141.4 212.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

t-1,3-Dichloropropene

Concen: 9.00 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027252.D

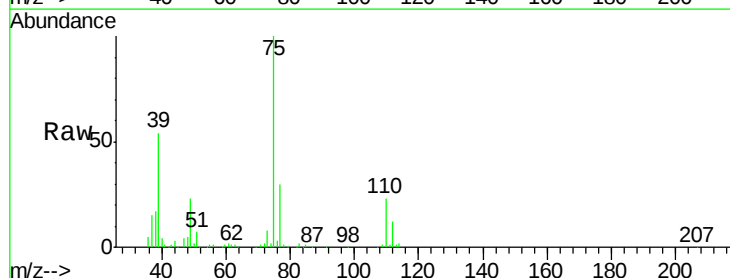
Acq: 17 Sep 2015 13:49

Tgt Ion: 75 Resp: 122999

Ion Ratio Lower Upper

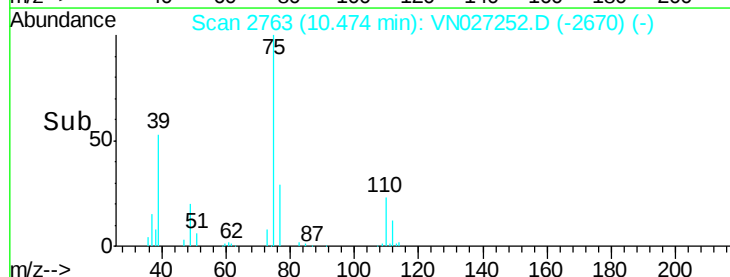
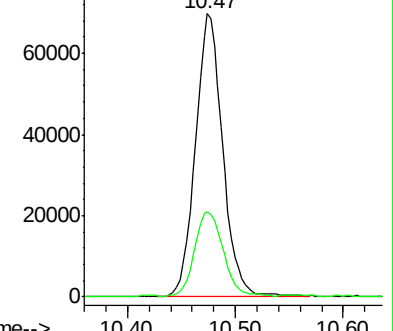
75 100

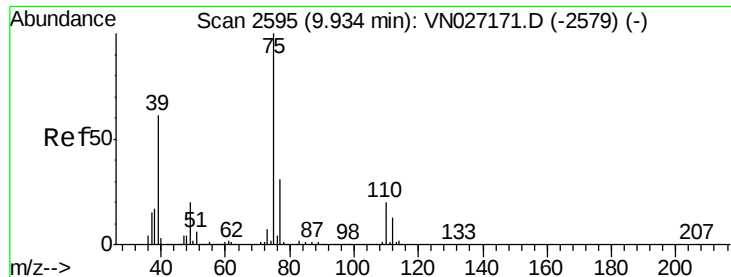
77 29.9 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#55

cis-1,3-Dichloropropene

Concen: 9.27 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER2015-02

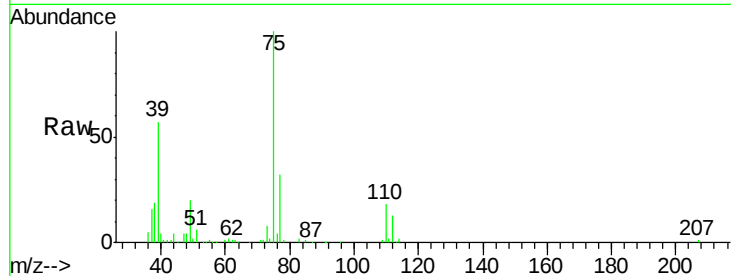
Tgt Ion: 75 Resp: 137761

Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4

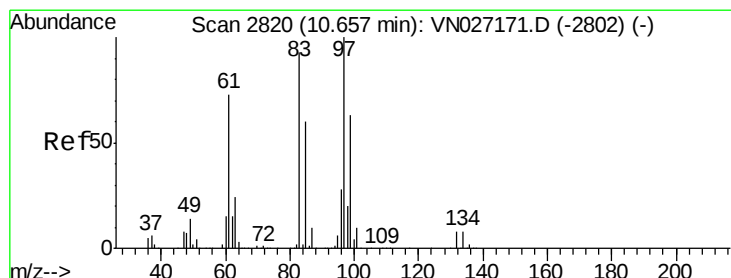
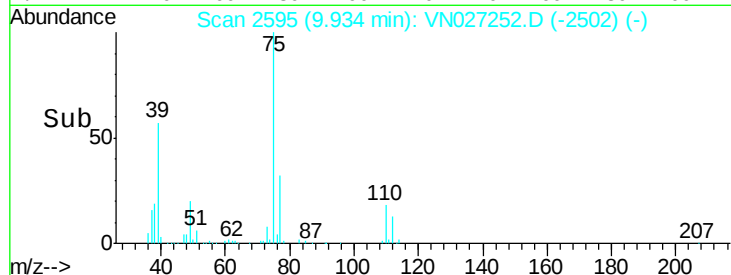
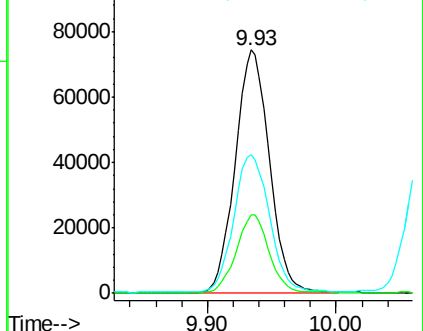
39 56.4 41.6 62.4



Abundance Ion 74.90 (74.60 to 75.60): VN027252.D (-2502) (-)

Ion 76.90 (76.60 to 77.60): VN027252.D (-2502) (-)

Ion 39.00 (38.70 to 39.70): VN027252.D (-2502) (-)



#56

1,1,2-Trichloroethane

Concen: 10.10 ug/l

RT: 10.66 min Scan# 2820

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

Tgt Ion: 97 Resp: 76043

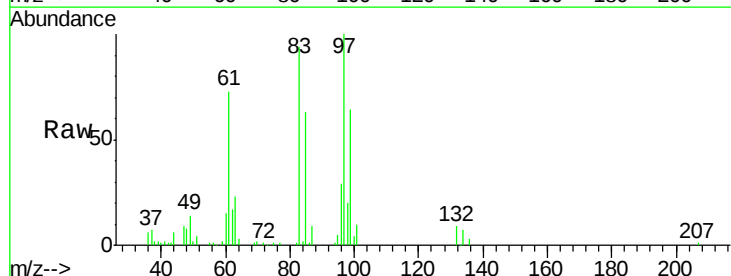
Ion Ratio Lower Upper

97 100

83 94.2 75.0 112.4

85 62.6 48.0 72.0

99 64.0 50.3 75.5

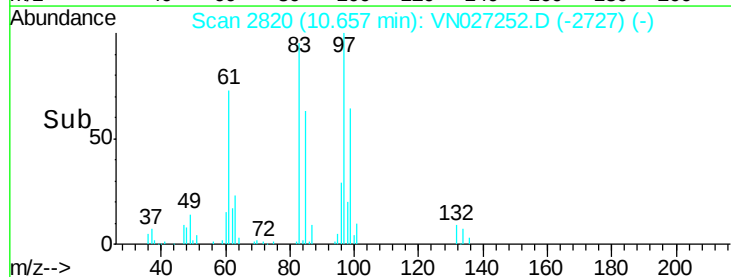
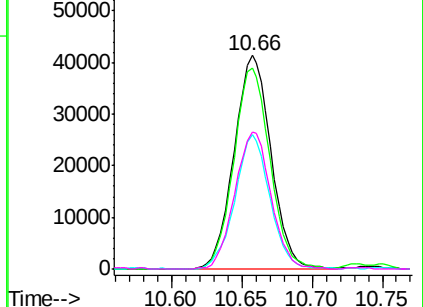


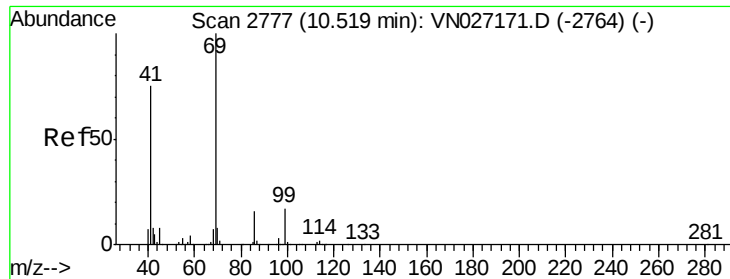
Abundance Ion 96.90 (96.60 to 97.60): VN027252.D (-2727) (-)

Ion 82.90 (82.60 to 83.60): VN027252.D (-2727) (-)

Ion 84.90 (84.60 to 85.60): VN027252.D (-2727) (-)

Ion 98.90 (98.60 to 99.60): VN027252.D (-2727) (-)





#57

Ethyl methacrylate

Concen: 9.42 ug/l

RT: 10.52 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER2015-02

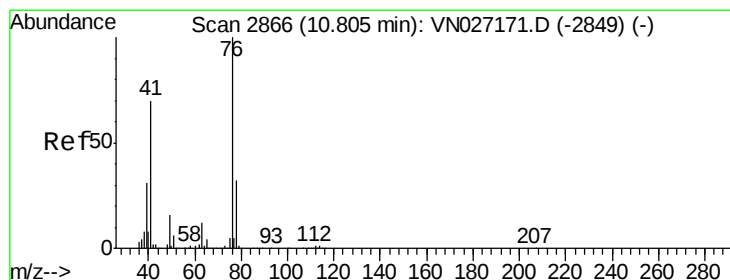
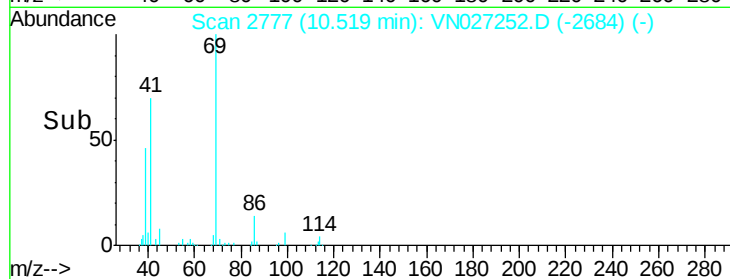
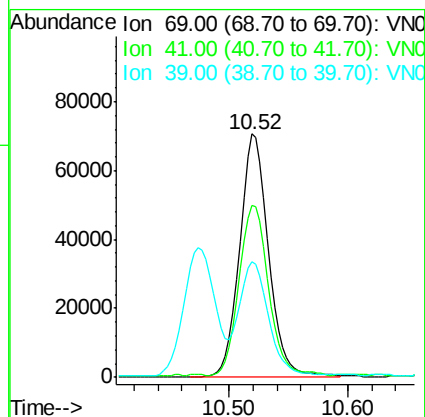
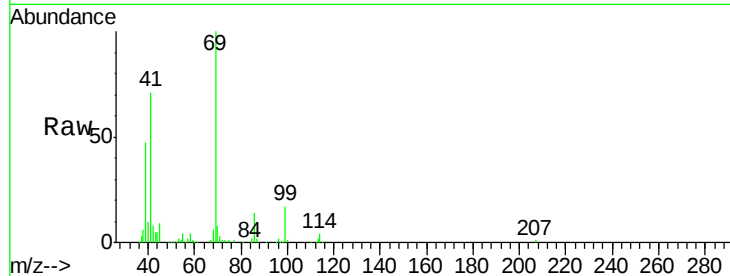
Tgt Ion: 69 Resp: 119439

Ion Ratio Lower Upper

69 100

41 71.1 61.3 91.9

39 46.5 28.4 42.6#



#58

1,3-Dichloropropane

Concen: 9.84 ug/l

RT: 10.81 min Scan# 2866

Delta R.T. 0.00 min

Lab File: VN027252.D

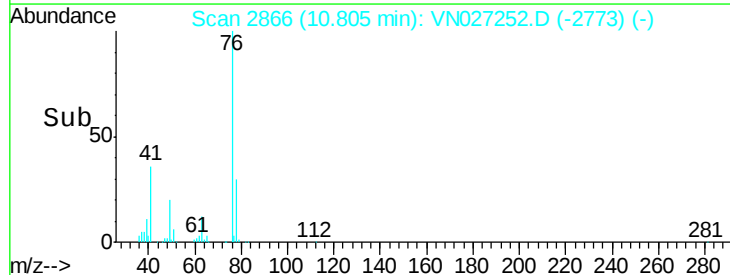
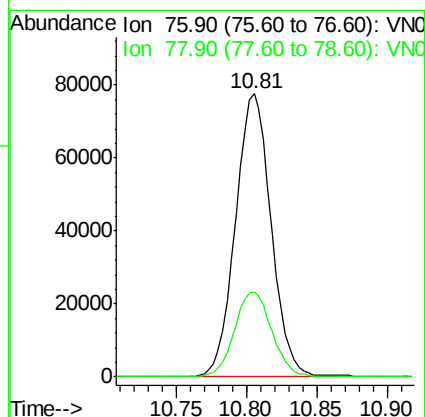
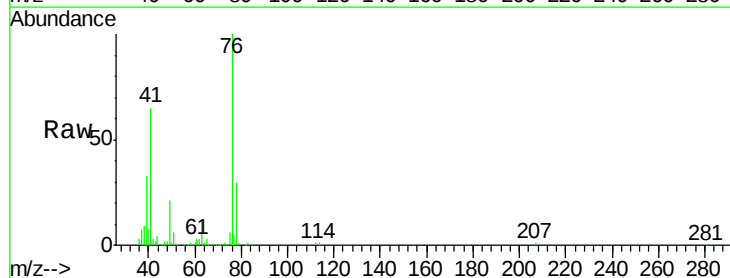
Acq: 17 Sep 2015 13:49

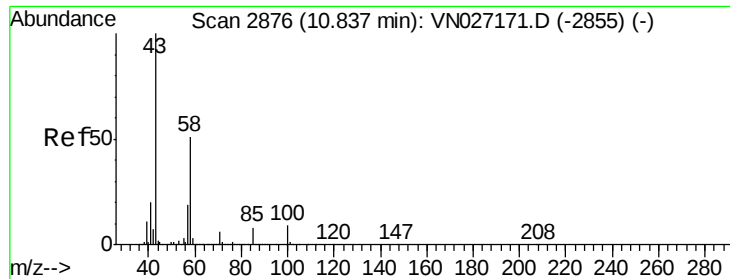
Tgt Ion: 76 Resp: 137463

Ion Ratio Lower Upper

76 100

78 31.5 25.0 37.6

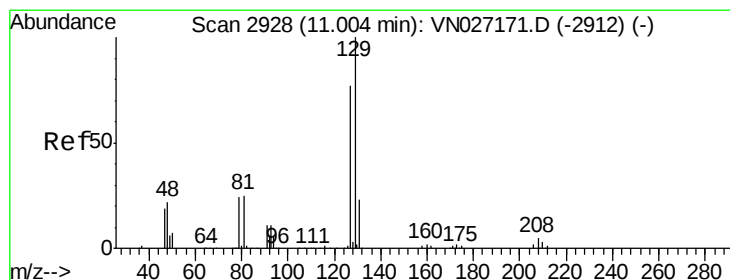
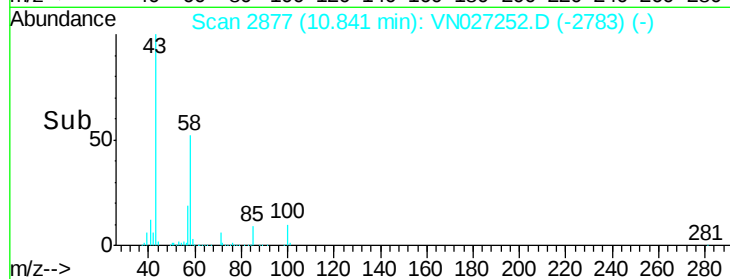
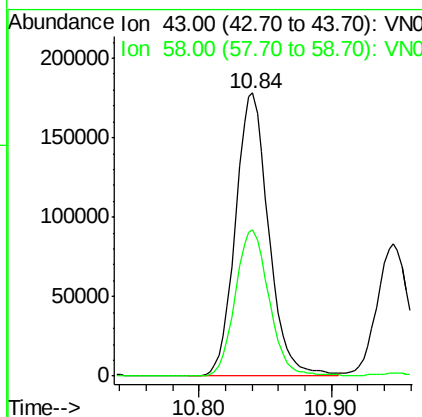
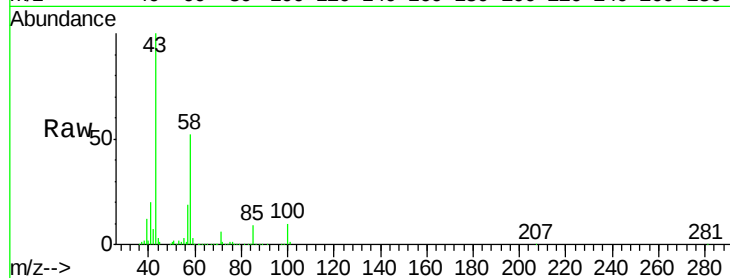




#60
2-Hexanone
Concen: 45.51 ug/l
RT: 10.84 min Scan# 2877
Delta R.T. 0.00 min
Lab File: VN027252.D
Acq: 17 Sep 2015 13:49

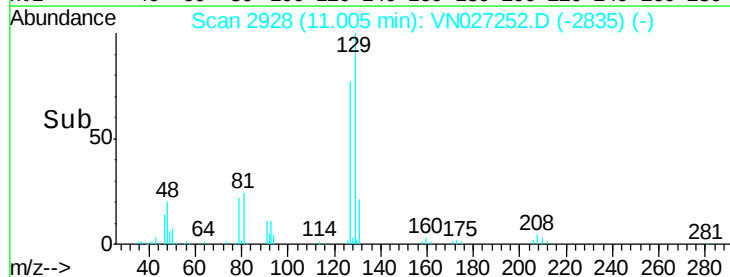
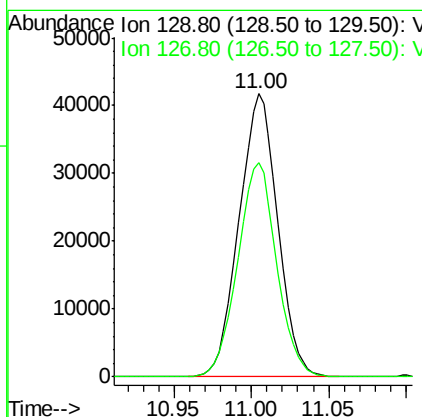
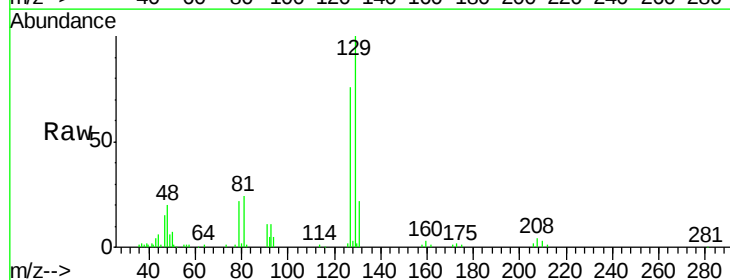
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER2015-02

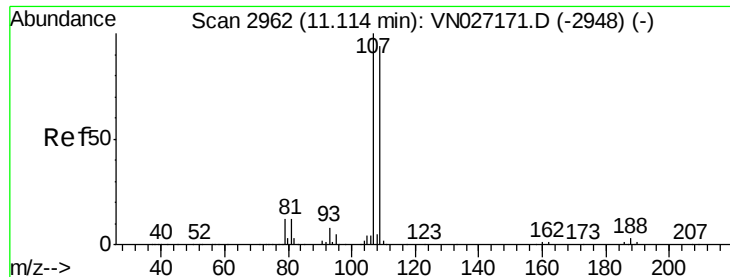
Tgt Ion: 43 Resp: 306753
Ion Ratio Lower Upper
43 100
58 53.2 26.2 78.5



#61
Dibromochloromethane
Concen: 9.43 ug/l
RT: 11.00 min Scan# 2928
Delta R.T. 0.00 min
Lab File: VN027252.D
Acq: 17 Sep 2015 13:49

Tgt Ion: 129 Resp: 72469
Ion Ratio Lower Upper
129 100
127 76.3 39.1 117.2





#62

1,2-Dibromoethane

Concen: 9.50 ug/l

RT: 11.11 min Scan# 2962

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

Instrument :

MSVOA_N

ClientSampleId :

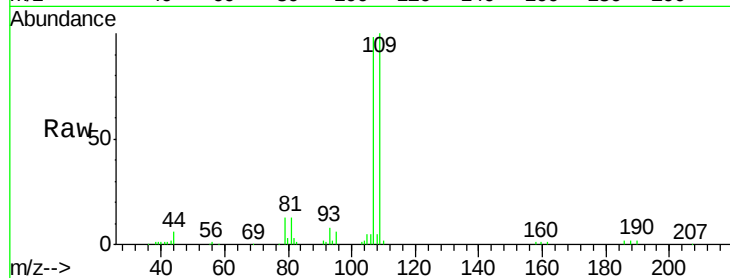
LOQ-WATER2015-02

Tgt Ion: 107 Resp: 70258

Ion Ratio Lower Upper

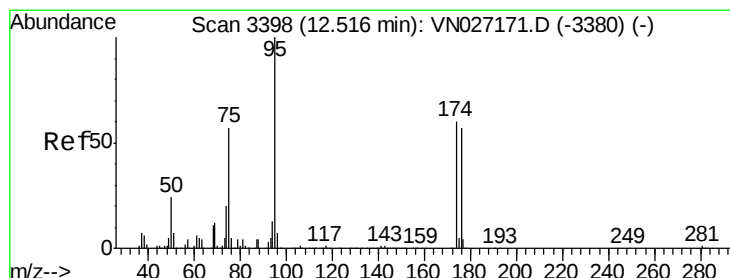
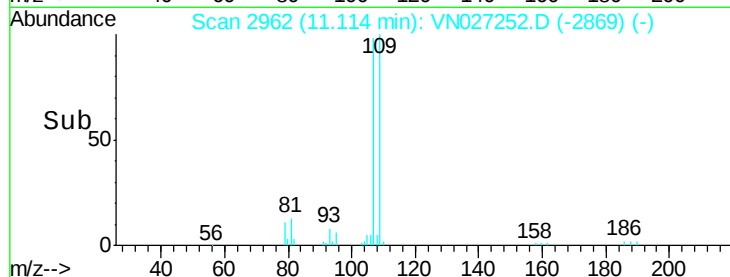
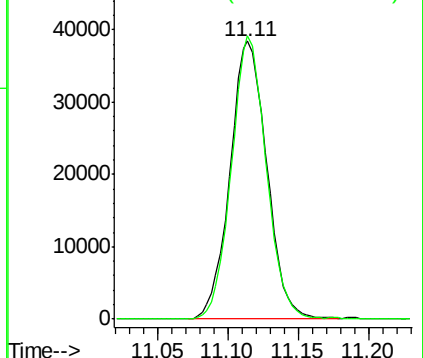
107 100

109 96.1 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#63

4-Bromofluorobenzene

Concen: 47.71 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

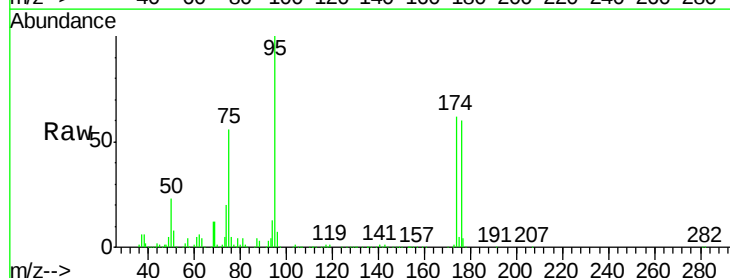
Tgt Ion: 95 Resp: 460008

Ion Ratio Lower Upper

95 100

174 62.8 0.0 137.0

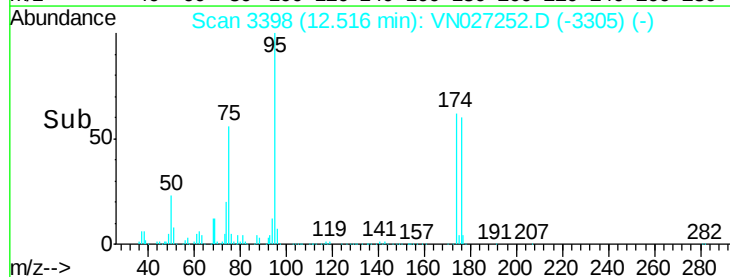
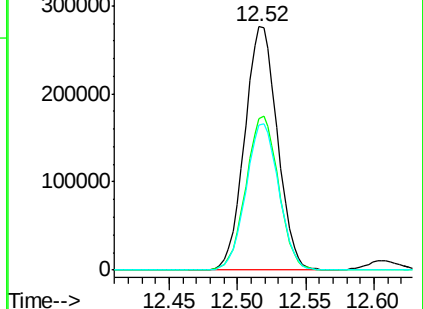
176 60.4 0.0 130.8

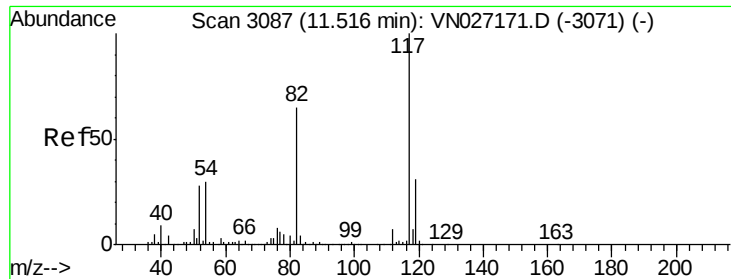


Abundance Ion 94.90 (94.60 to 95.60): V

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: VN027252.D

Acq: 17 Sep 2015 13:49

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER2015-02

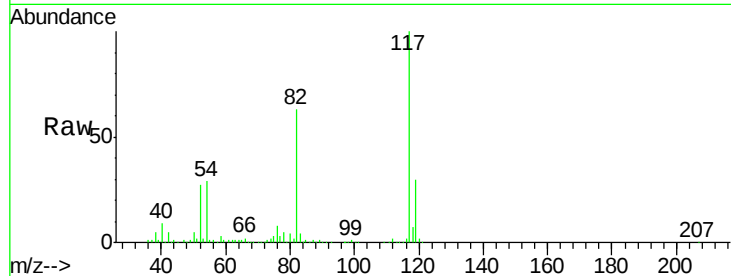
Tgt Ion:117 Resp: 847374

Ion Ratio Lower Upper

117 100

82 63.3 49.6 74.4

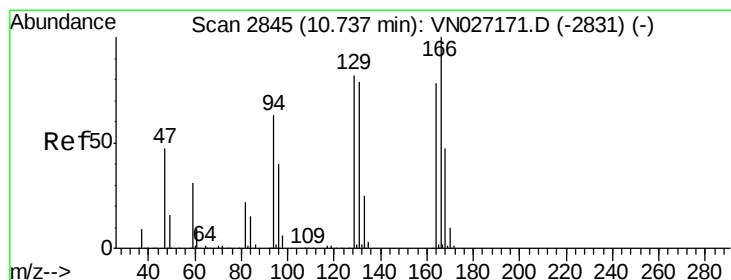
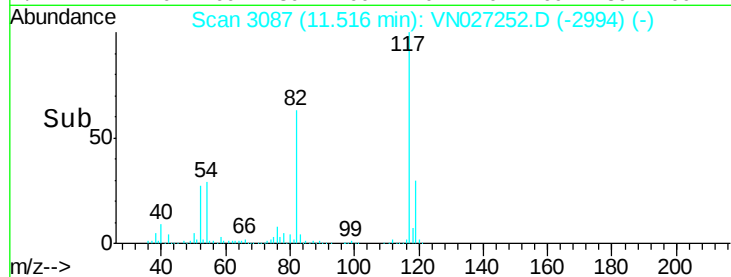
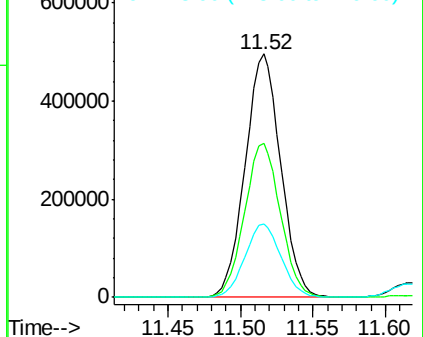
119 30.3 24.6 36.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#65

Tetrachloroethene

Concen: 9.87 ug/l

RT: 10.74 min Scan# 2846

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

Tgt Ion:164 Resp: 53507

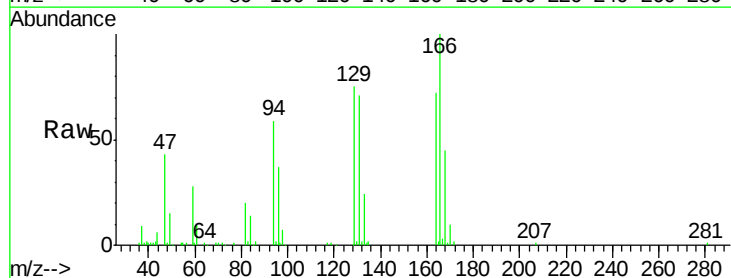
Ion Ratio Lower Upper

164 100

166 139.1 103.4 155.0

129 103.8 77.5 116.3

131 98.3 74.2 111.4

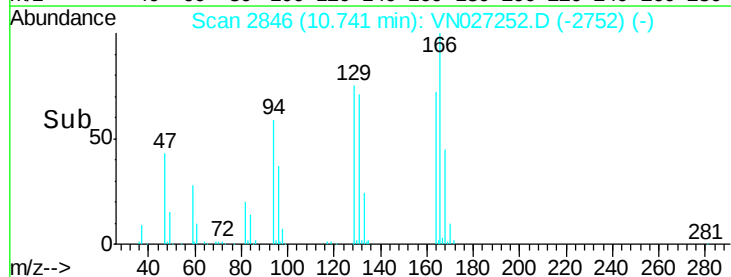
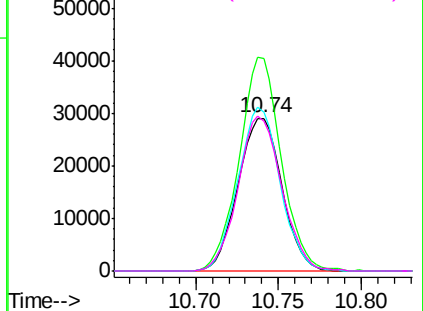


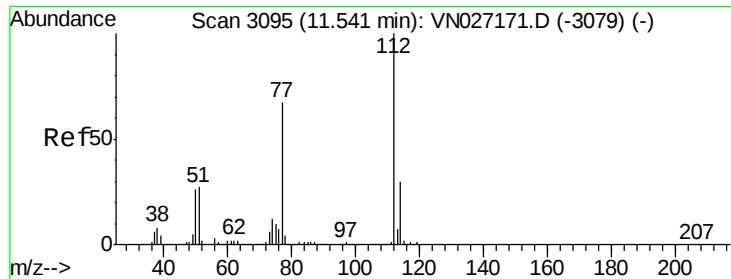
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#66

Chlorobenzene

Concen: 9.82 ug/l

RT: 11.54 min Scan# 3095

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

Instrument :

MSVOA_N

ClientSampleId :

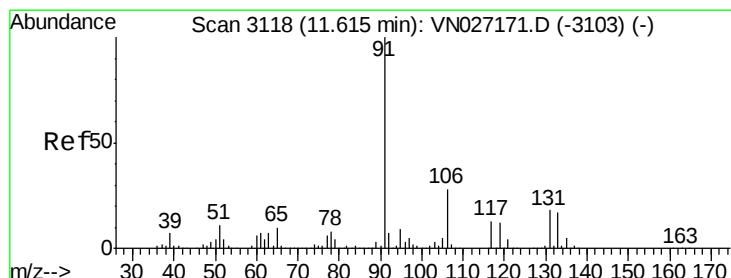
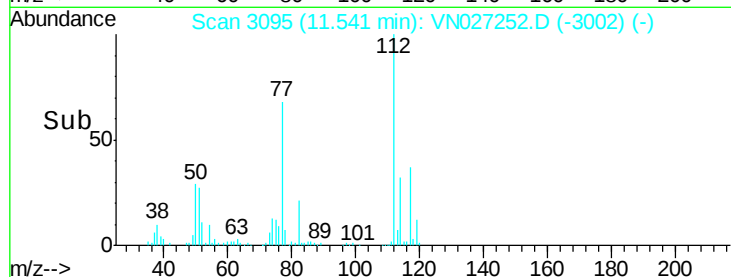
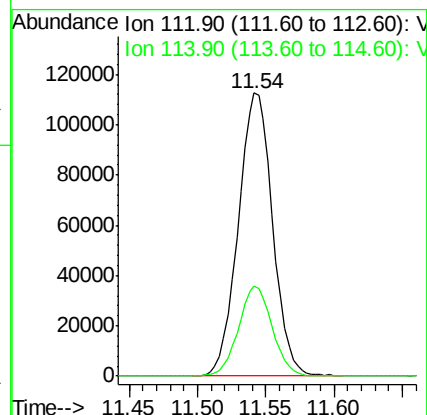
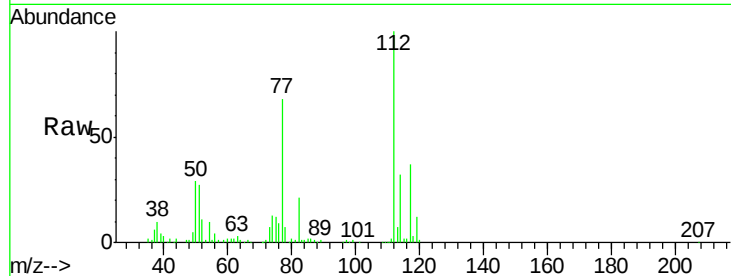
LOQ-WATER2015-02

Tgt Ion:112 Resp: 196361

Ion Ratio Lower Upper

112 100

114 31.9 24.9 37.3



#67

1,1,1,2-Tetrachloroethane

Concen: 9.82 ug/l

RT: 11.62 min Scan# 3118

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

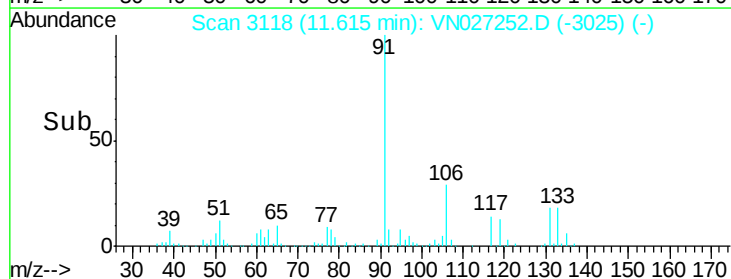
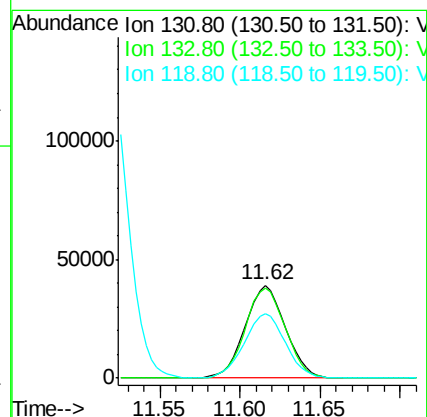
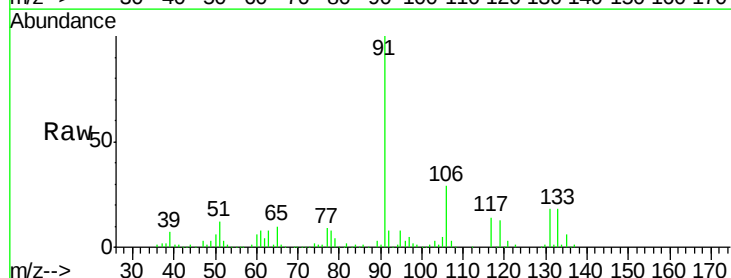
Tgt Ion:131 Resp: 67035

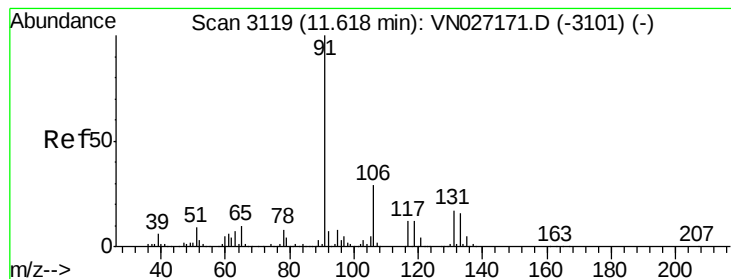
Ion Ratio Lower Upper

131 100

133 96.8 47.0 141.2

119 70.8 35.1 105.5





#68

Ethyl Benzene

Concen: 9.77 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

Instrument :

MSVOA_N

ClientSampleId :

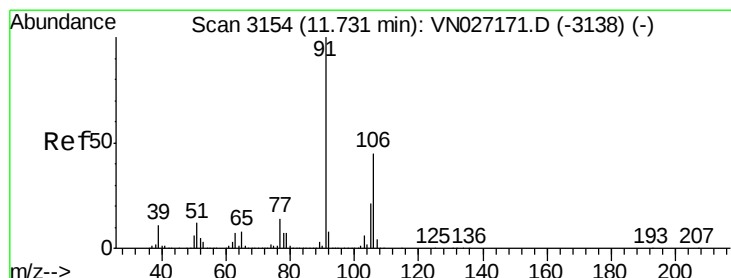
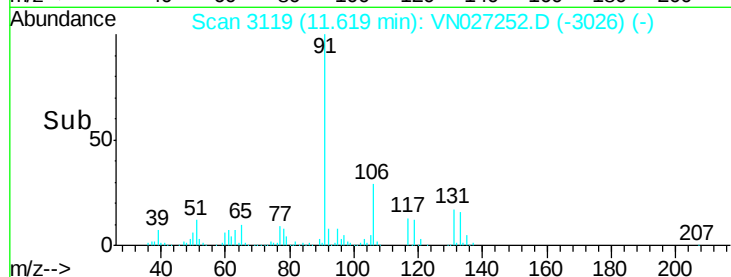
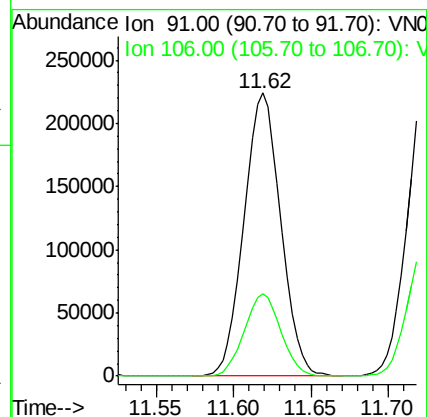
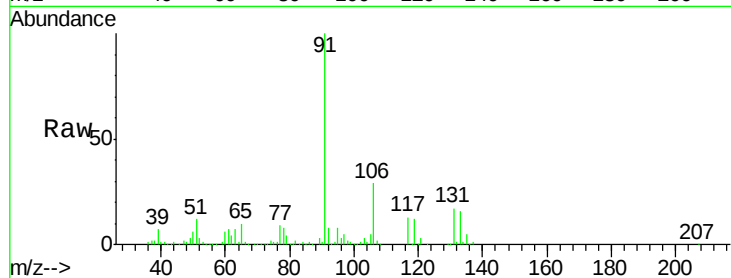
LOQ-WATER2015-02

Tgt Ion: 91 Resp: 370680

Ion Ratio Lower Upper

91 100

106 29.2 23.1 34.7



#69

m/p-Xylenes

Concen: 19.52 ug/l

RT: 11.73 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VN027252.D

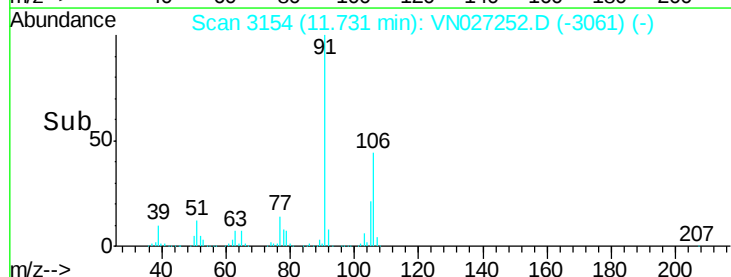
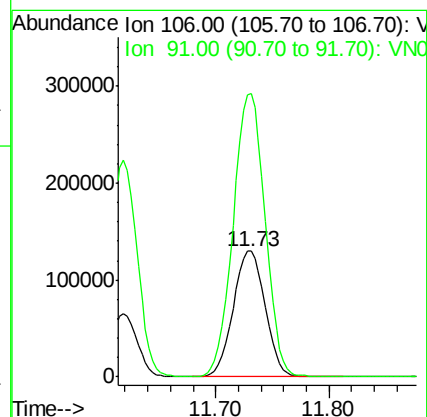
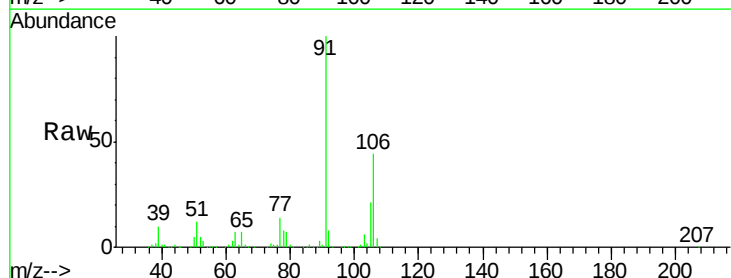
Acq: 17 Sep 2015 13:49

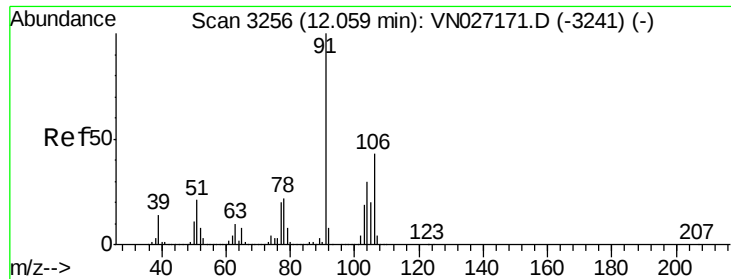
Tgt Ion: 106 Resp: 255538

Ion Ratio Lower Upper

106 100

91 223.4 167.1 250.7

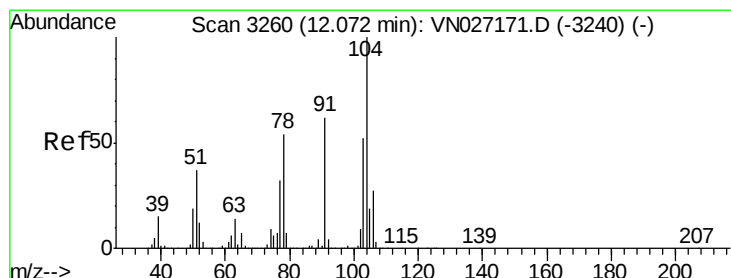
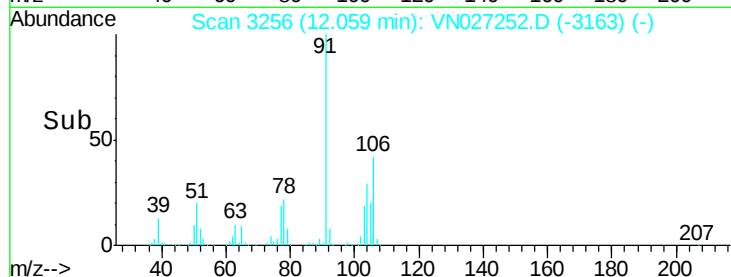
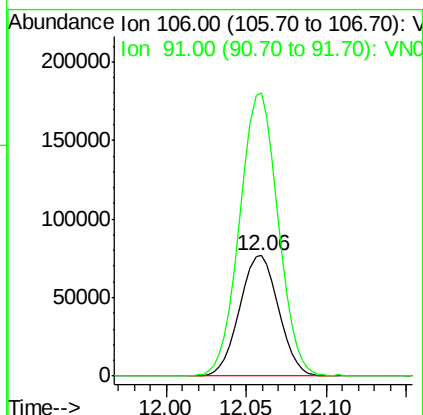
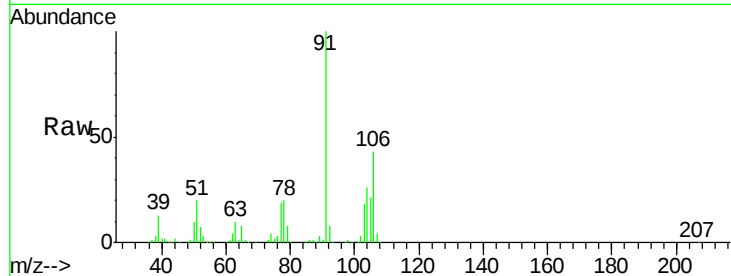




#70
o-Xylene
Concen: 9.76 ug/l
RT: 12.06 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN027252.D
Acq: 17 Sep 2015 13:49

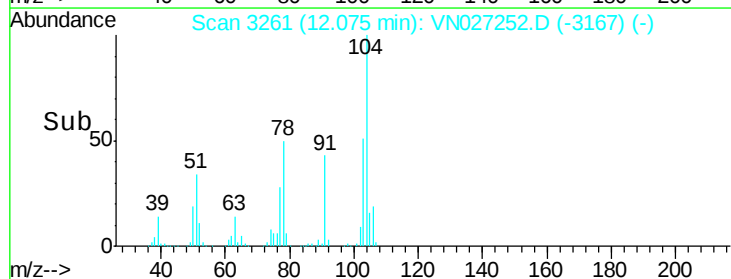
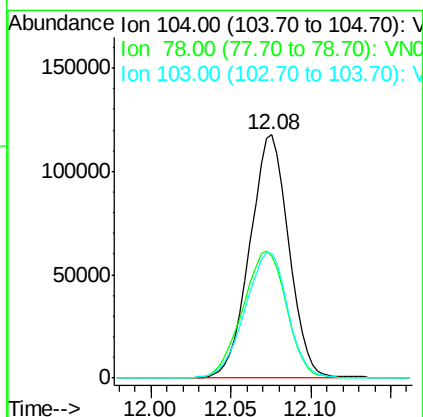
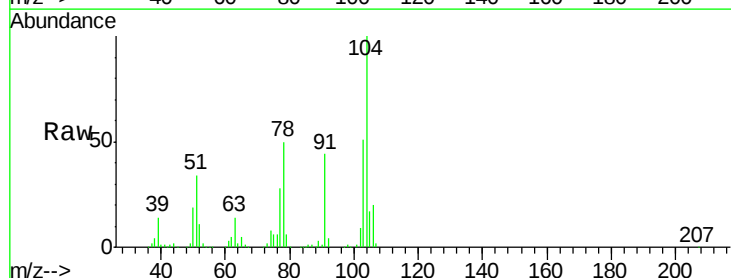
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER2015-02

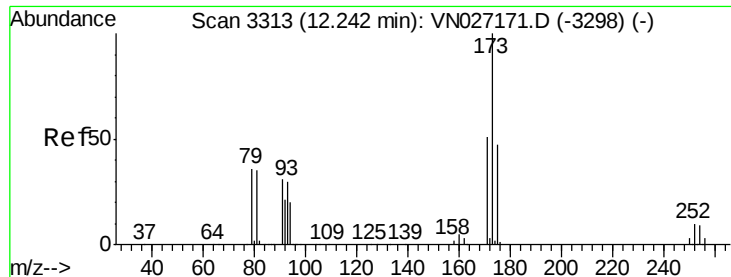
Tgt Ion:106 Resp: 128010
Ion Ratio Lower Upper
106 100
91 231.2 110.7 331.9



#71
Styrene
Concen: 9.28 ug/l
RT: 12.08 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN027252.D
Acq: 17 Sep 2015 13:49

Tgt Ion:104 Resp: 196636
Ion Ratio Lower Upper
104 100
78 59.1 41.6 62.4
103 56.9 44.2 66.2





#72

Bromoform

Concen: 8.90 ug/l

RT: 12.24 min Scan# 3313

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER2015-02

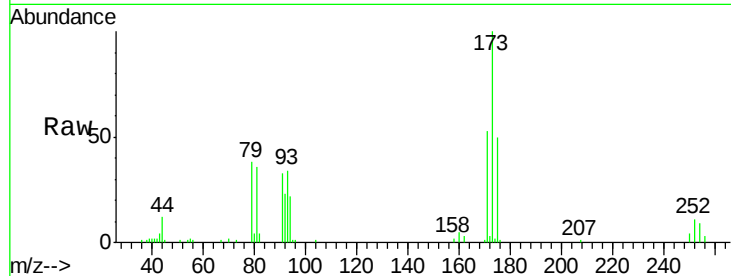
Tgt Ion:173 Resp: 42212

Ion Ratio Lower Upper

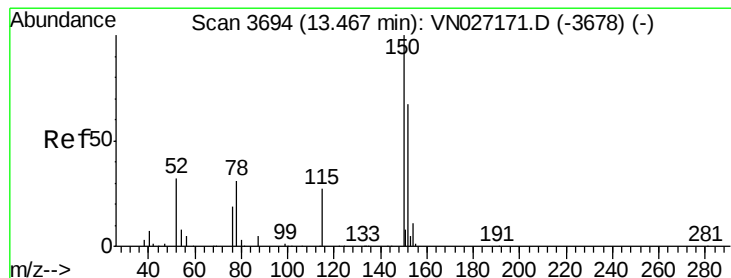
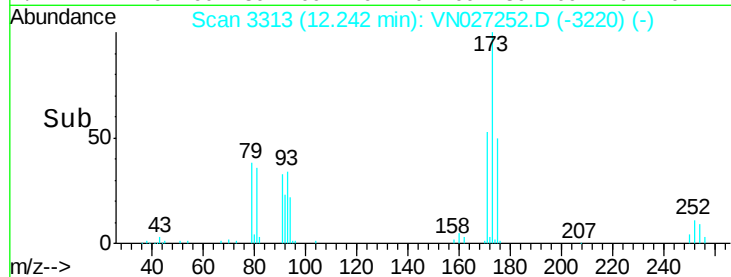
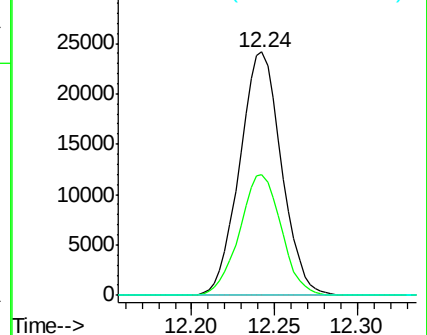
173 100

175 49.6 24.4 73.4

254 0.0 0.1 0.1#



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



#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

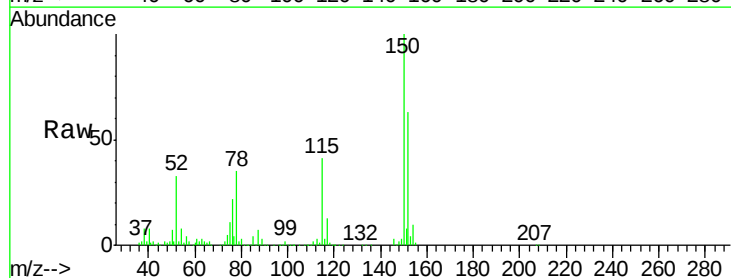
Tgt Ion:152 Resp: 306019

Ion Ratio Lower Upper

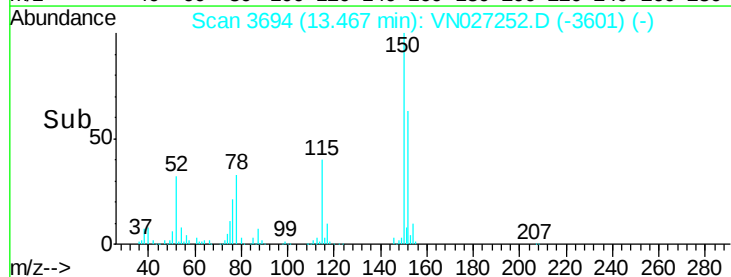
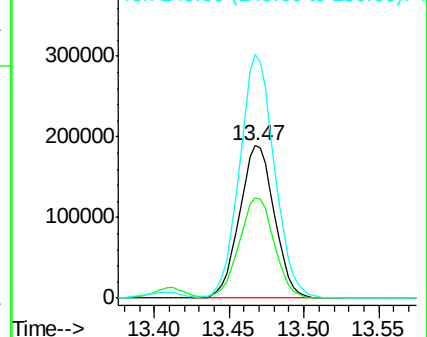
152 100

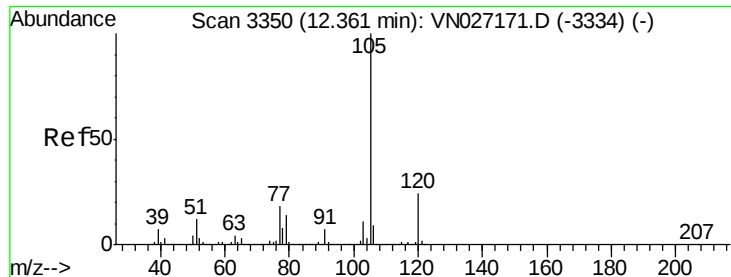
115 66.3 30.8 92.3

150 160.3 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: 10.22 ug/l

RT: 12.36 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

Instrument :

MSVOA_N

ClientSampleId :

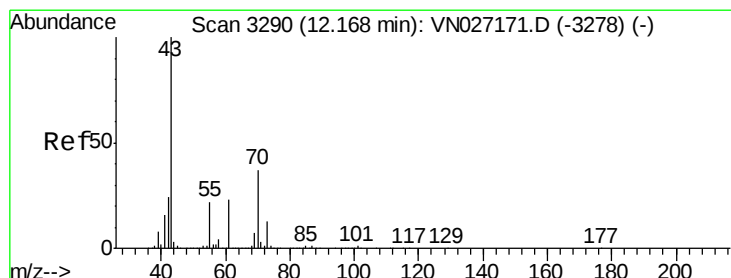
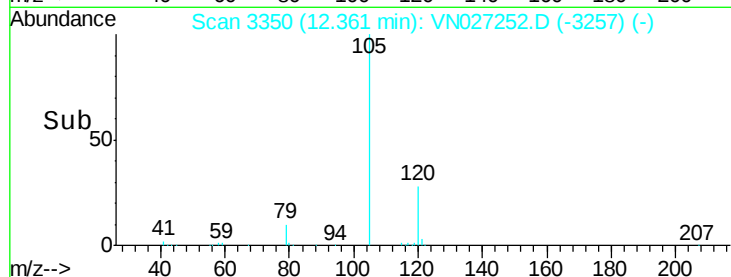
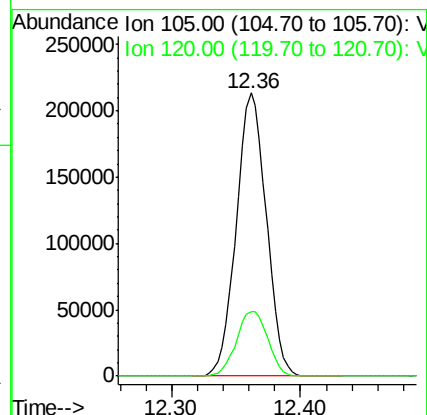
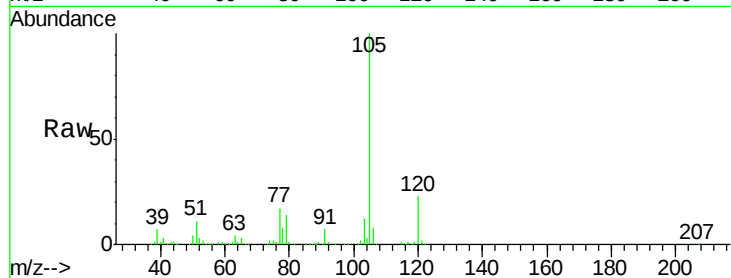
LOQ-WATER2015-02

Tgt Ion: 105 Resp: 344545

Ion Ratio Lower Upper

105 100

120 23.9 12.4 37.2



#75

N-ethyl acetate

Concen: 9.30 ug/l

RT: 12.17 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

Tgt Ion: 43 Resp: 139961

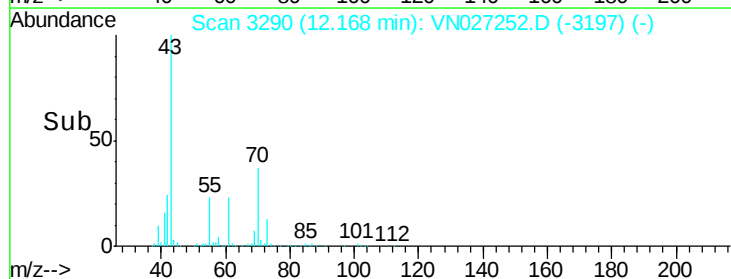
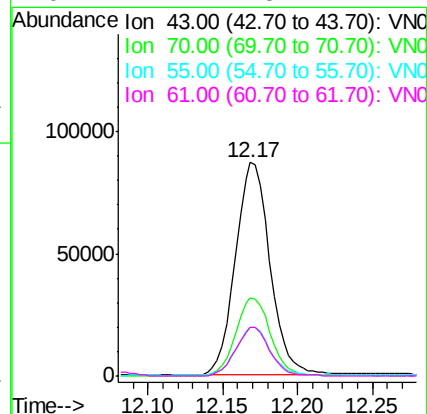
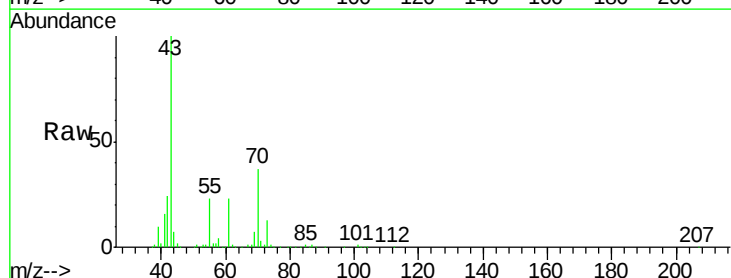
Ion Ratio Lower Upper

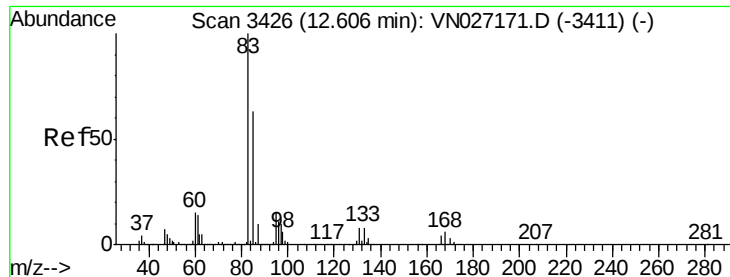
43 100

70 37.0 29.8 44.8

55 22.3 19.4 29.0

61 22.7 18.2 27.2





#76

1,1,2,2-Tetrachloroethane

Concen: 8.53 ug/l

RT: 12.61 min Scan# 3426

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER2015-02

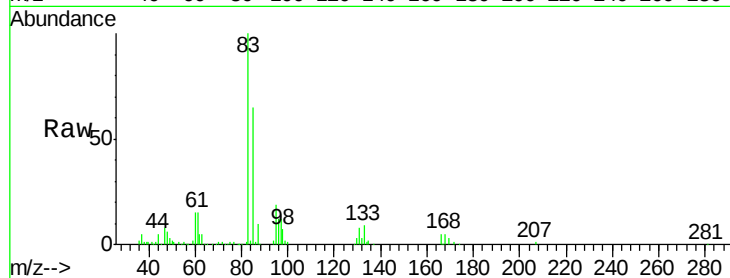
Tgt Ion: 83 Resp: 99125

Ion Ratio Lower Upper

83 100

131 8.3 4.1 12.3

85 64.3 31.9 95.7



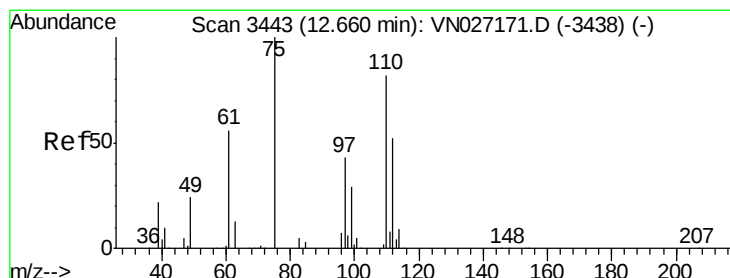
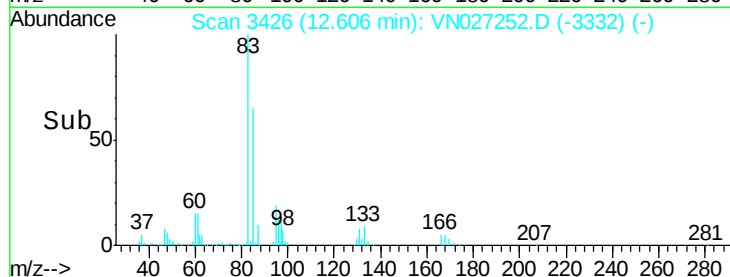
Abundance Ion 82.90 (82.60 to 83.60): VN027171.D (-3411) (-)

Ion 130.80 (130.50 to 131.50): VN027171.D (-3411) (-)

Ion 84.90 (84.60 to 85.60): VN027171.D (-3411) (-)

Time-->

12.55 12.60 12.65



#77

1,2,3-Trichloropropane

Concen: 14.26 ug/l

RT: 12.66 min Scan# 3444

Delta R.T. 0.00 min

Lab File: VN027252.D

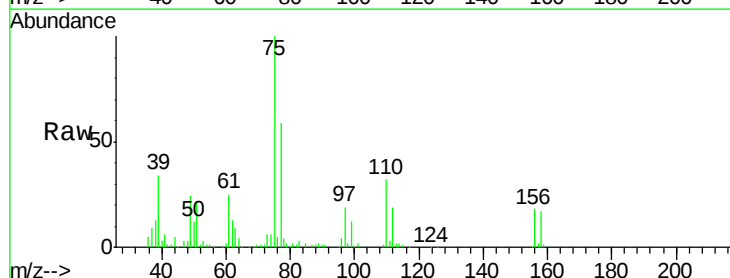
Acq: 17 Sep 2015 13:49

Tgt Ion: 75 Resp: 131918

Ion Ratio Lower Upper

75 100

77 134.6 103.1 309.3

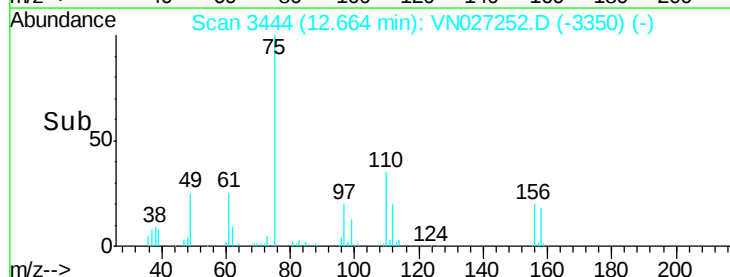


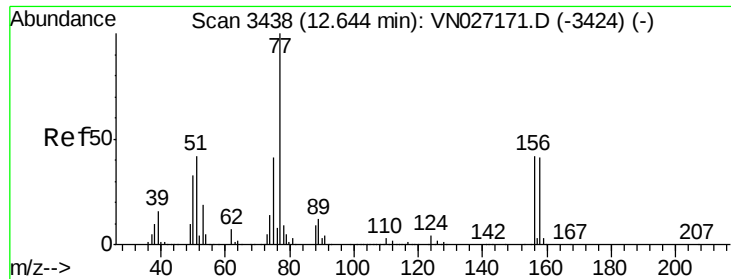
Abundance Ion 74.90 (74.60 to 75.60): VN027171.D (-3438) (-)

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

Time-->

12.60 12.70

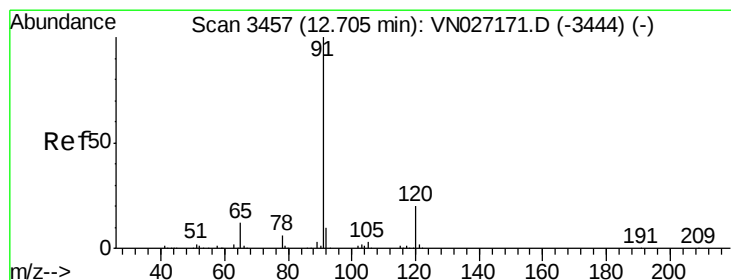
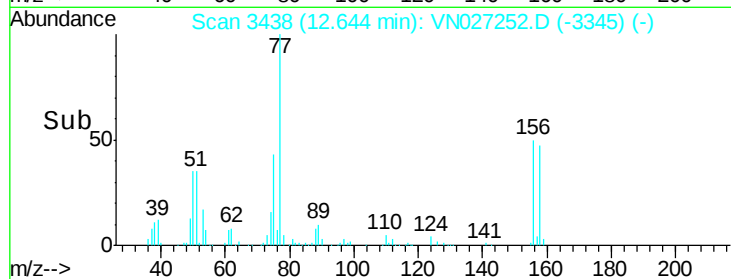
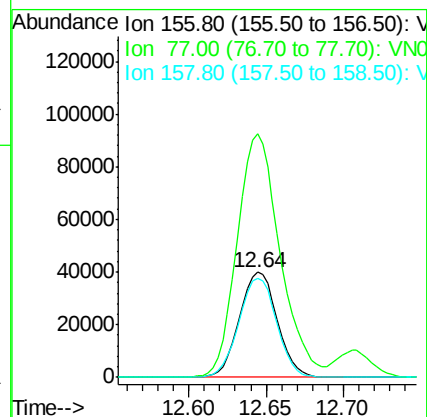
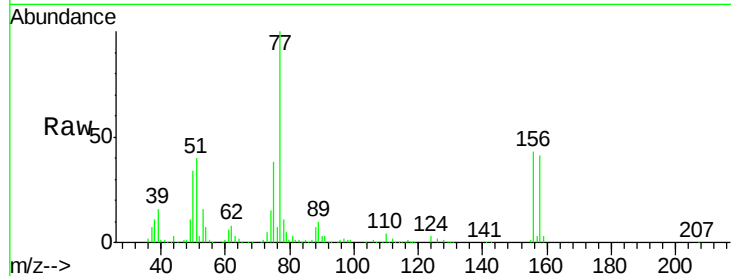




#78
Bromobenzene
Concen: 10.26 ug/l
RT: 12.64 min Scan# 3438
Delta R.T. 0.00 min
Lab File: VN027252.D
Acq: 17 Sep 2015 13:49

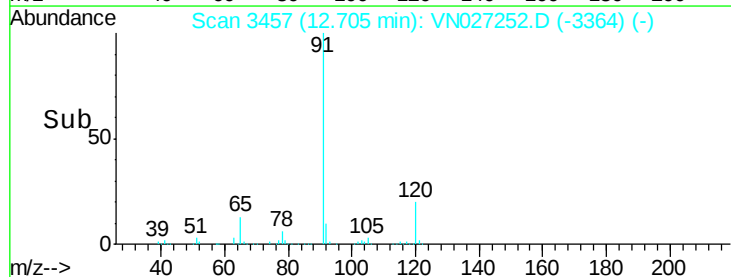
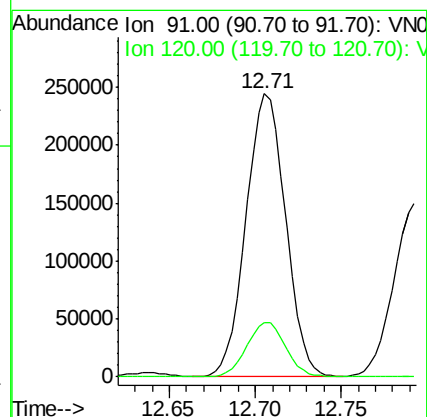
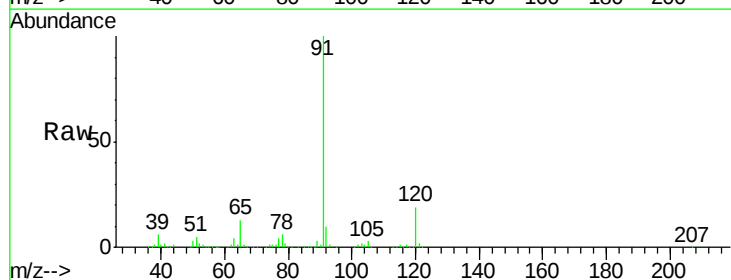
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER2015-02

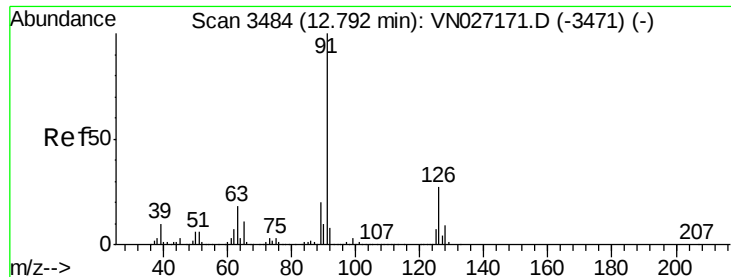
Tgt Ion:156 Resp: 67847
Ion Ratio Lower Upper
156 100
77 261.7 127.3 381.9
158 94.5 48.0 144.2



#79
n-propylbenzene
Concen: 9.81 ug/l
RT: 12.71 min Scan# 3457
Delta R.T. 0.00 min
Lab File: VN027252.D
Acq: 17 Sep 2015 13:49

Tgt Ion: 91 Resp: 389237
Ion Ratio Lower Upper
91 100
120 19.1 10.3 30.8





#80

2-Chlorotoluene

Concen: 10.12 ug/l

RT: 12.79 min Scan# 3484

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

Instrument :

MSVOA_N

ClientSampleId :

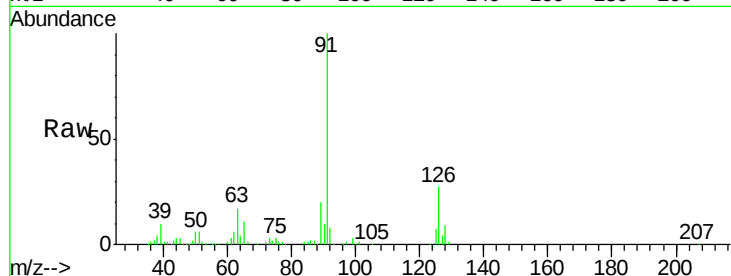
LOQ-WATER2015-02

Tgt Ion: 91 Resp: 241095

Ion Ratio Lower Upper

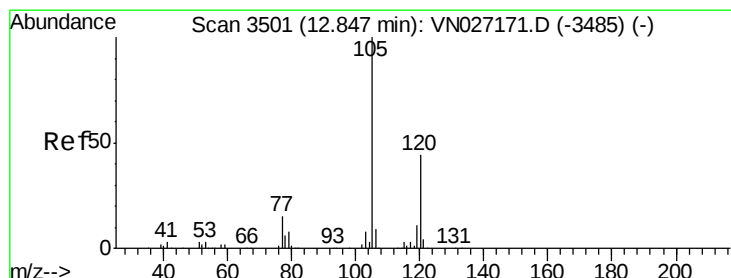
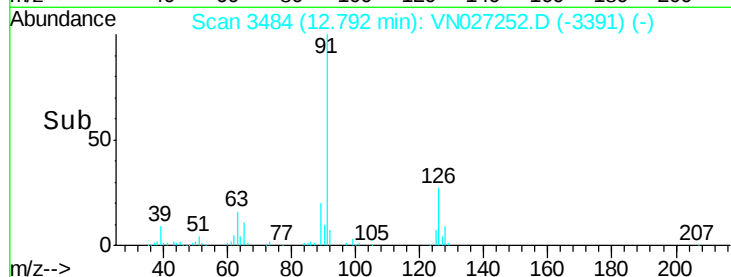
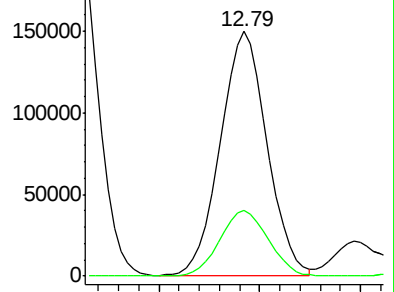
91 100

126 28.0 15.2 45.5



Abundance Ion 91.00 (90.70 to 91.70): VN027171.D (-3471) (-)

Ion 125.90 (125.60 to 126.60): VN027171.D (-3471) (-)



#81

1,3,5-Trimethylbenzene

Concen: 9.98 ug/l

RT: 12.85 min Scan# 3501

Delta R.T. 0.00 min

Lab File: VN027252.D

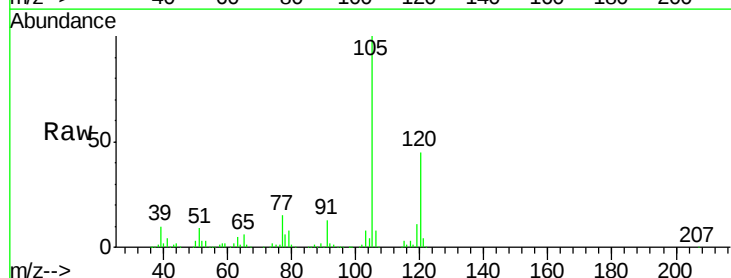
Acq: 17 Sep 2015 13:49

Tgt Ion: 105 Resp: 270262

Ion Ratio Lower Upper

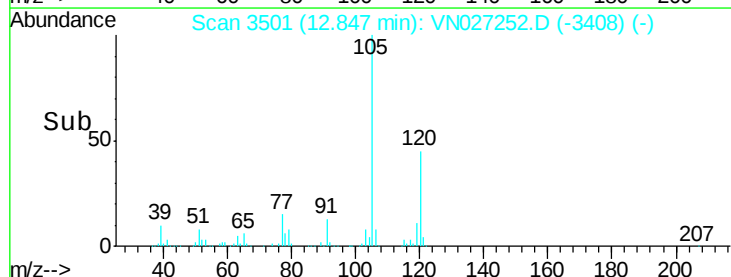
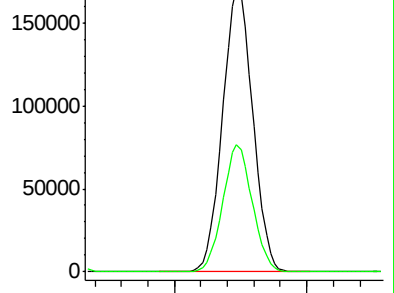
105 100

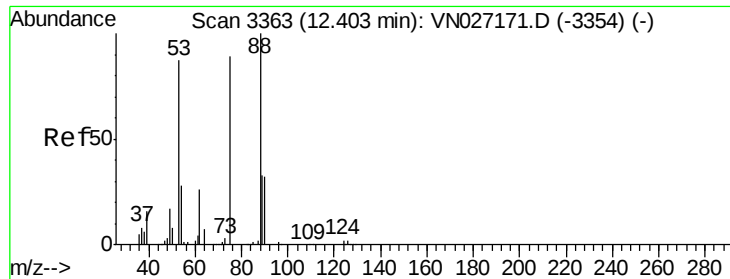
120 43.9 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN027171.D (-3485) (-)

Ion 120.00 (119.70 to 120.70): VN027171.D (-3485) (-)





#82

trans-1,4-Dichloro-2-butene

Concen: 8.86 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER2015-02

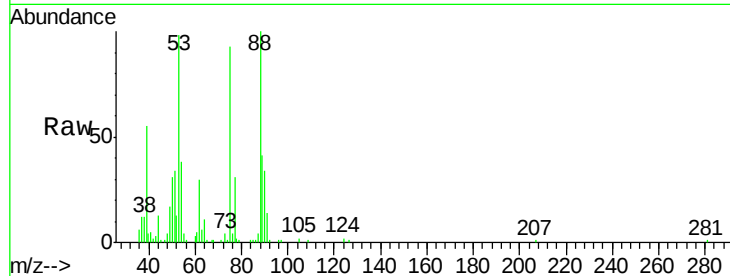
Tgt Ion: 75 Resp: 33346

Ion Ratio Lower Upper

75 100

53 104.9 92.9 139.3

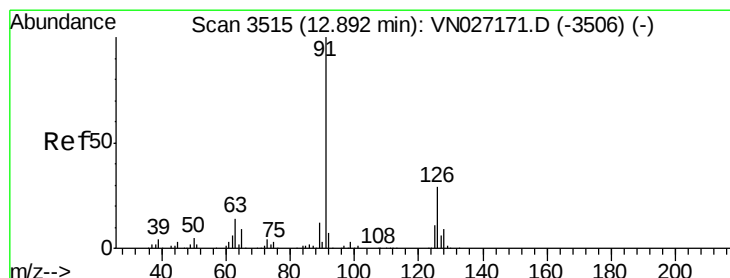
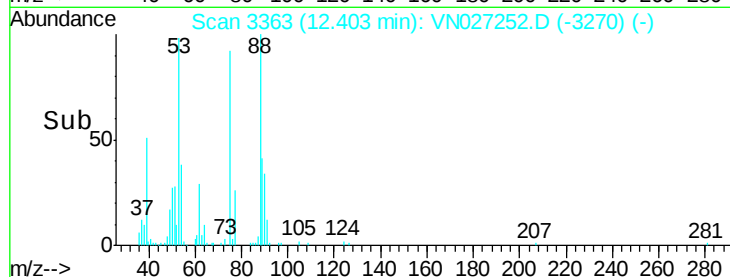
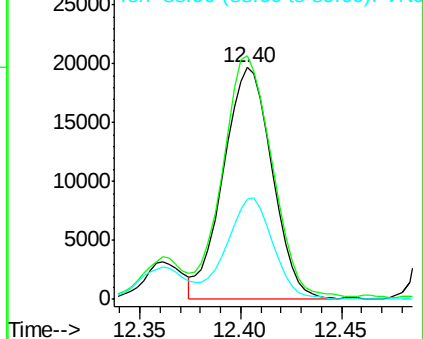
89 41.8 34.2 51.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#83

4-Chlorotoluene

Concen: 9.85 ug/l

RT: 12.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VN027252.D

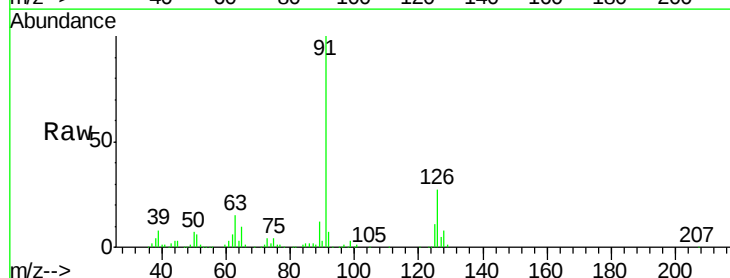
Acq: 17 Sep 2015 13:49

Tgt Ion: 91 Resp: 230642

Ion Ratio Lower Upper

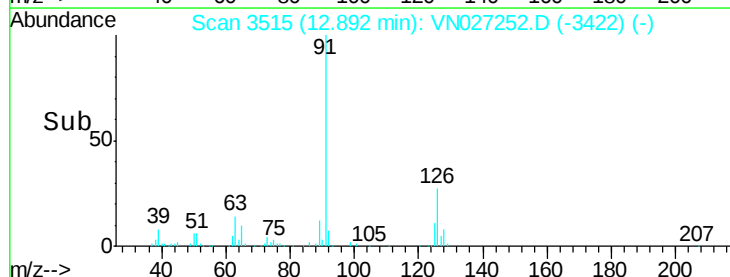
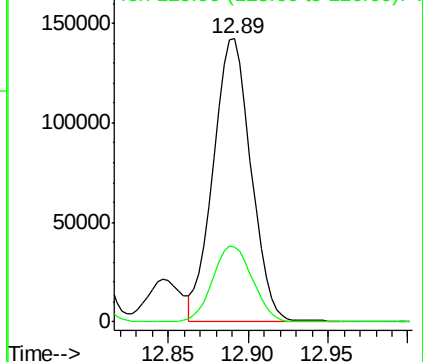
91 100

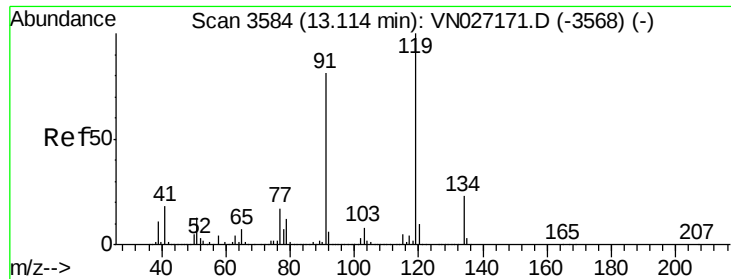
126 28.4 14.9 44.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

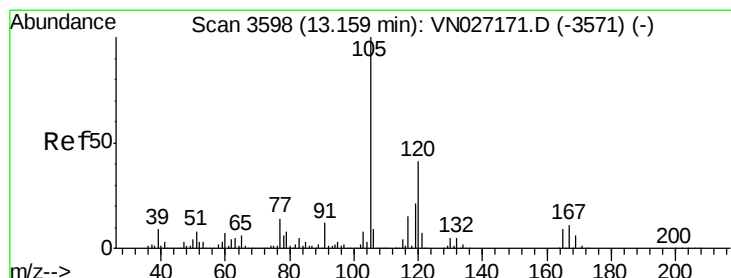
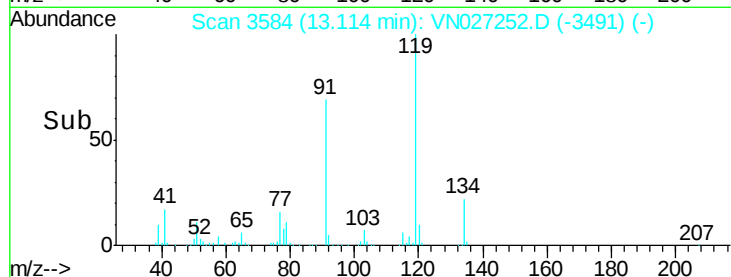
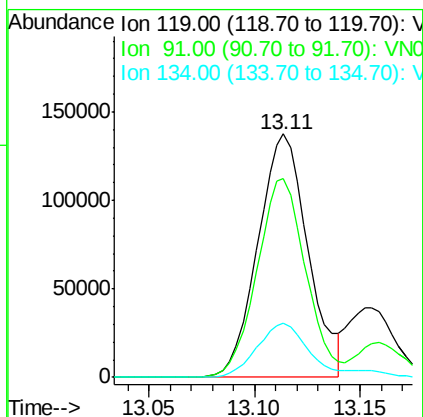
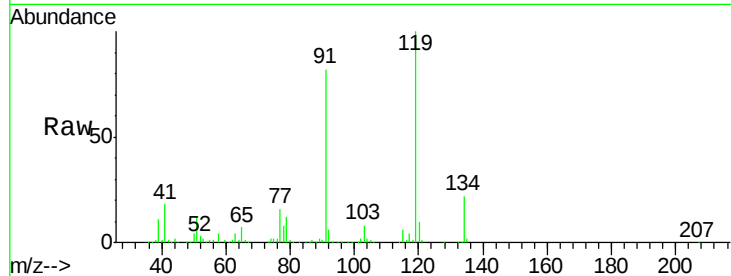




#84
 tert-Butylbenzene
 Concen: 10.16 ug/l
 RT: 13.11 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN027252.D
 Acq: 17 Sep 2015 13:49

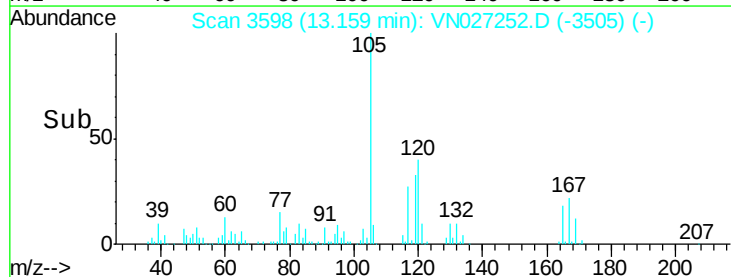
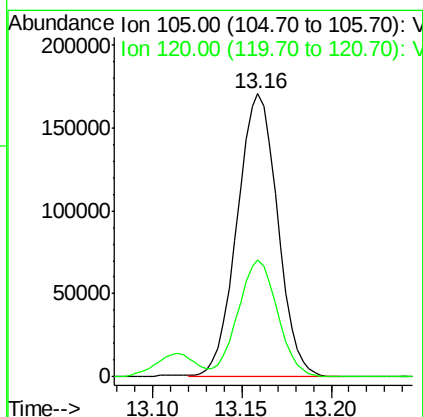
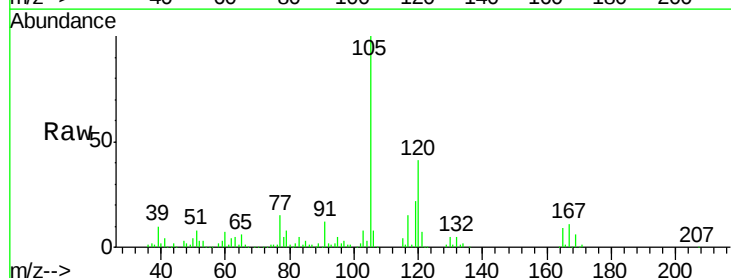
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER2015-02

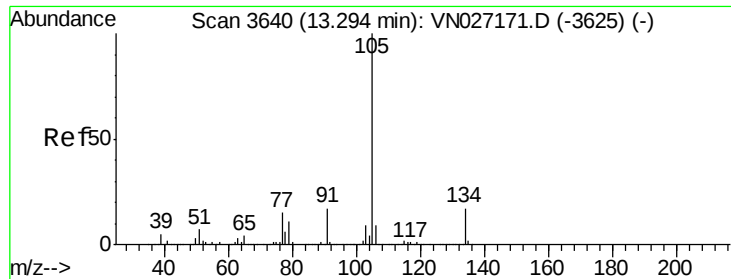
Tgt Ion:119 Resp: 227009
 Ion Ratio Lower Upper
 119 100
 91 79.8 34.6 103.8
 134 22.6 11.4 34.2



#85
 1,2,4-Trimethylbenzene
 Concen: 9.83 ug/l
 RT: 13.16 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN027252.D
 Acq: 17 Sep 2015 13:49

Tgt Ion:105 Resp: 267480
 Ion Ratio Lower Upper
 105 100
 120 40.9 21.9 65.5

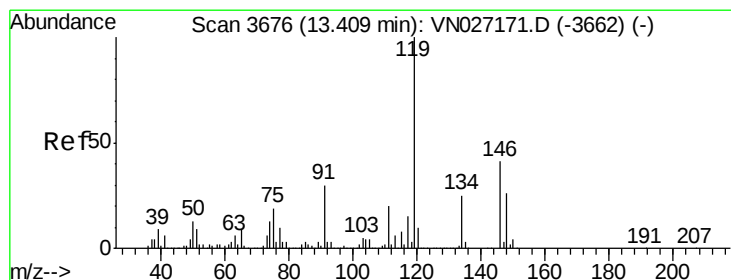
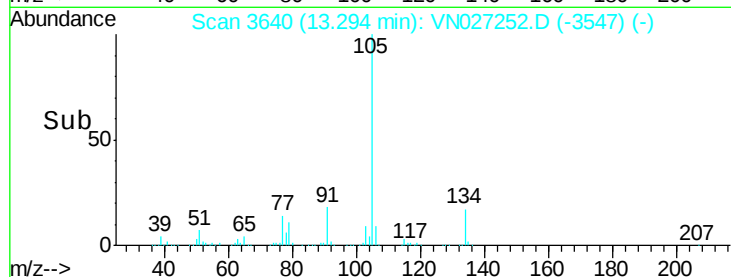
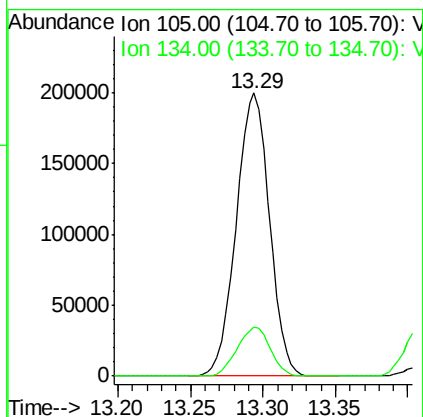
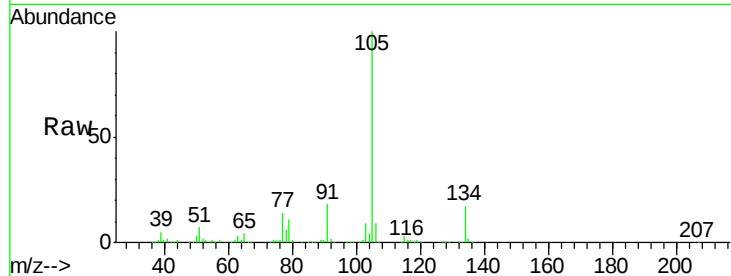




#86
 sec-Butylbenzene
 Concen: 9.71 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN027252.D
 Acq: 17 Sep 2015 13:49

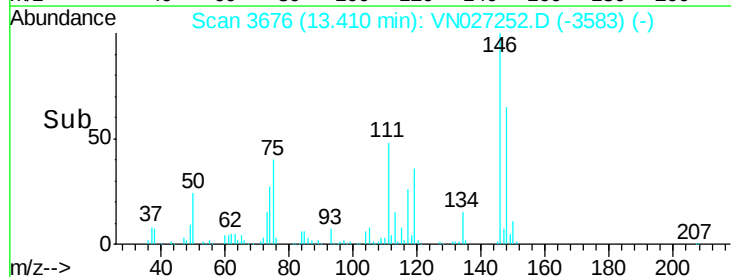
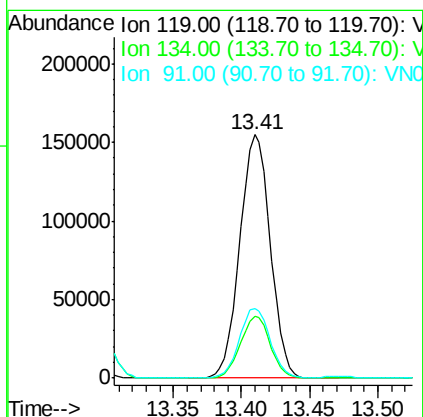
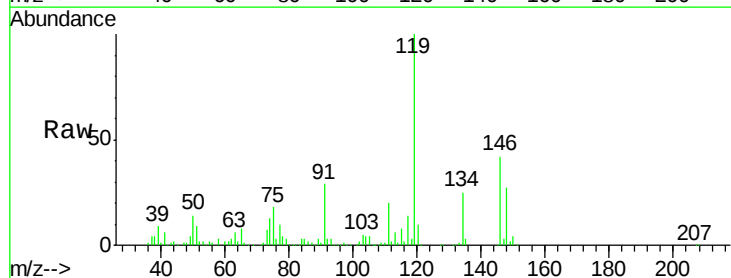
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER2015-02

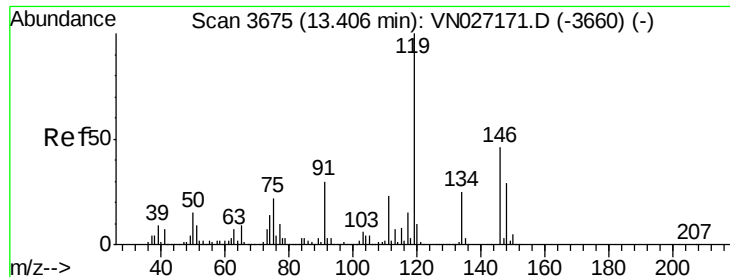
Tgt Ion:105 Resp: 317808
 Ion Ratio Lower Upper
 105 100
 134 17.2 8.8 26.4



#87
 p-Isopropyltoluene
 Concen: 9.50 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027252.D
 Acq: 17 Sep 2015 13:49

Tgt Ion:119 Resp: 239597
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.4 37.0
 91 28.7 12.0 36.1





#88

1,3-Dichlorobenzene

Concen: 9.79 ug/l

RT: 13.41 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER2015-02

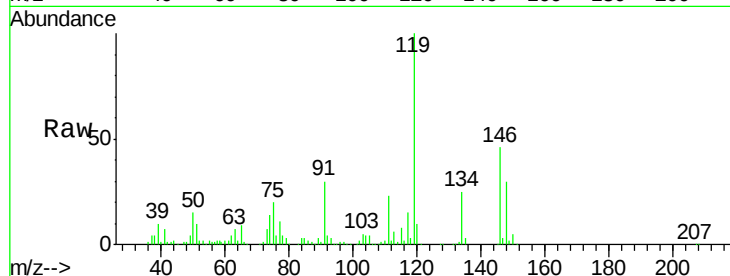
Tgt Ion:146 Resp: 110835

Ion Ratio Lower Upper

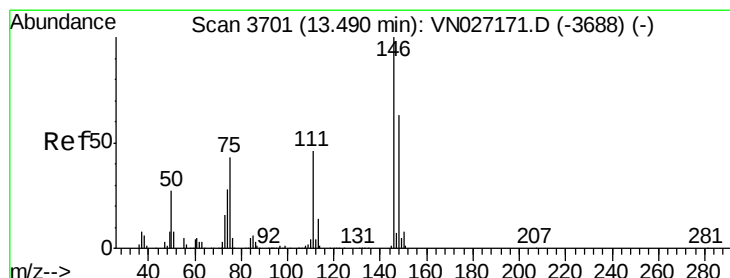
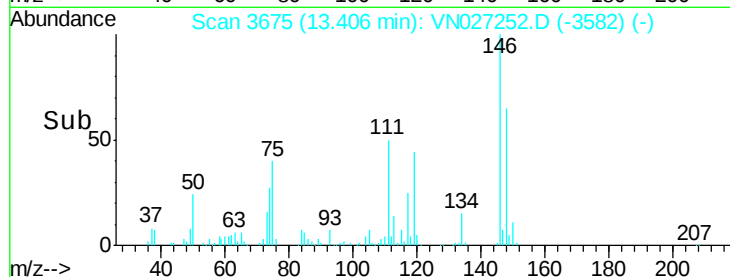
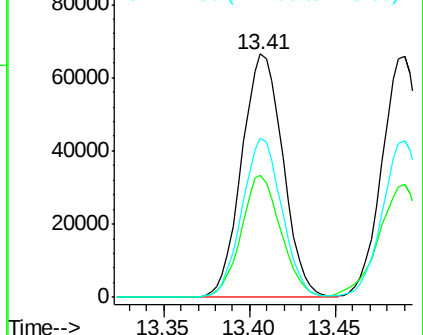
146 100

111 48.2 21.0 63.0

148 63.2 31.9 95.9



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



#89

1,4-Dichlorobenzene

Concen: 9.46 ug/l

RT: 13.49 min Scan# 3701

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

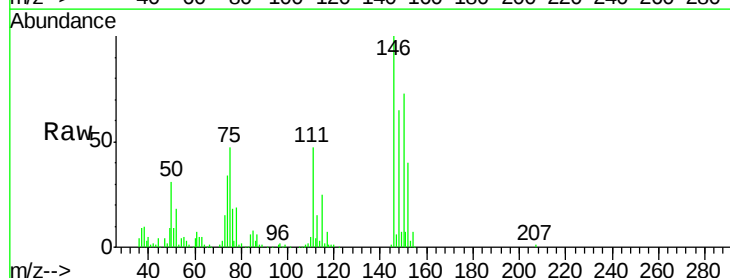
Tgt Ion:146 Resp: 108469

Ion Ratio Lower Upper

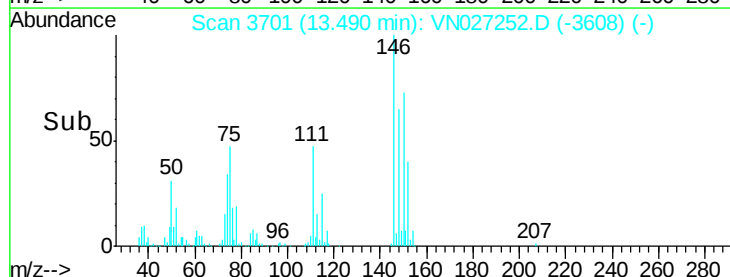
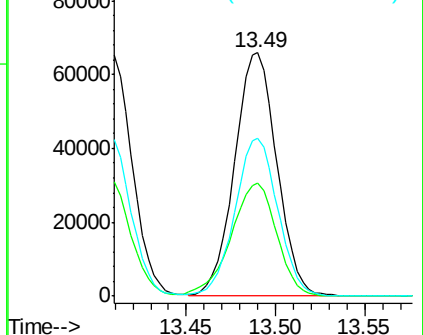
146 100

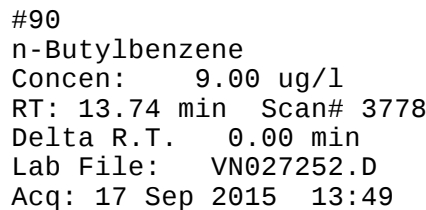
111 50.6 19.9 59.6

148 66.6 31.7 95.1



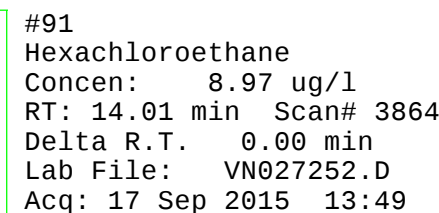
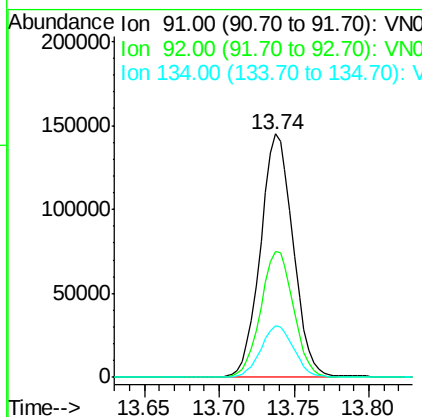
Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



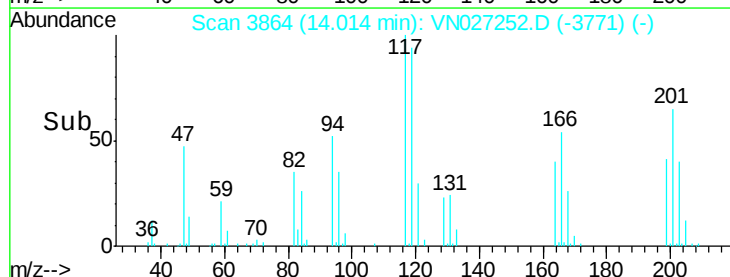
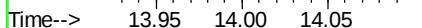
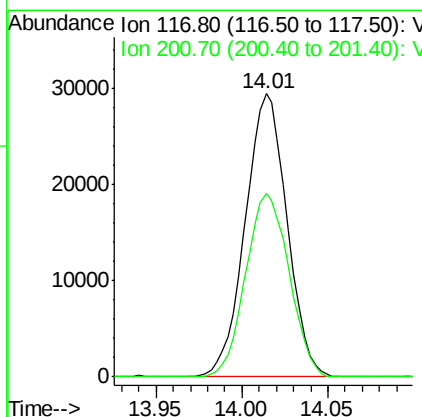


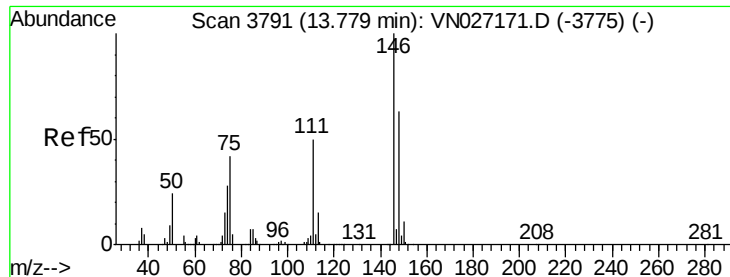
Instrument :
MSVOA_N
ClientSampleId :
LOO-WATER2015-02

Tgt	Ion: 91	Resp:	220380
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.1	78.2
134	21.4	11.1	33.1



Tgt	Ion:117	Resp:	49529
Ion	Ratio	Lower	Upper
117	100		
201	67.3	34.9	104.7

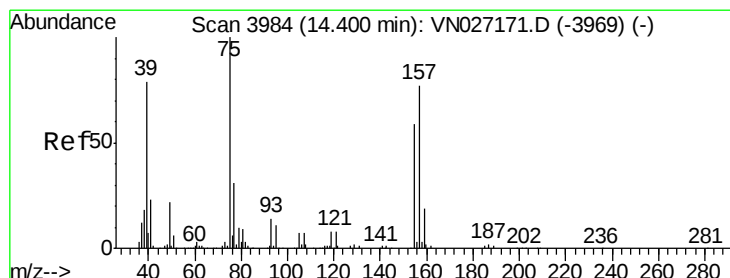
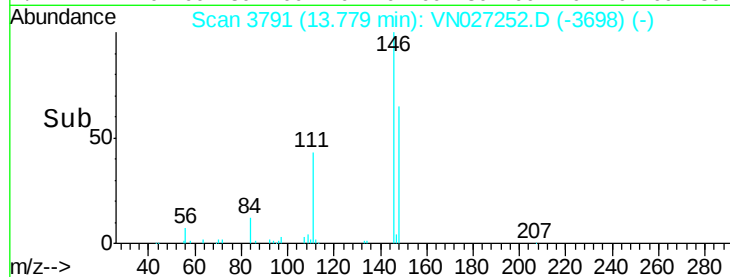
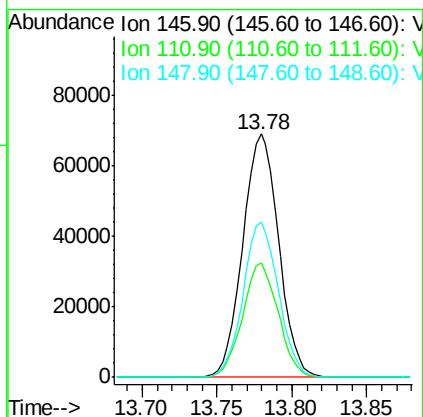
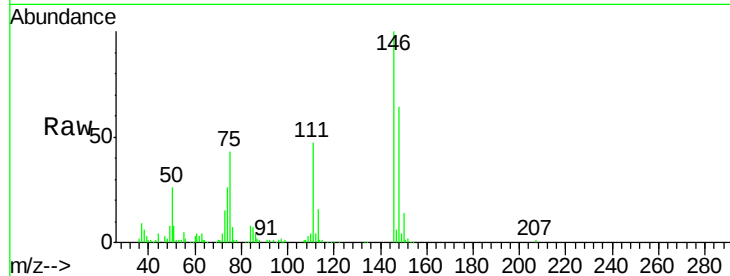




#92
 1,2-Dichlorobenzene
 Concen: 10.32 ug/l
 RT: 13.78 min Scan# 3791
 Delta R.T. 0.00 min
 Lab File: VN027252.D
 Acq: 17 Sep 2015 13:49

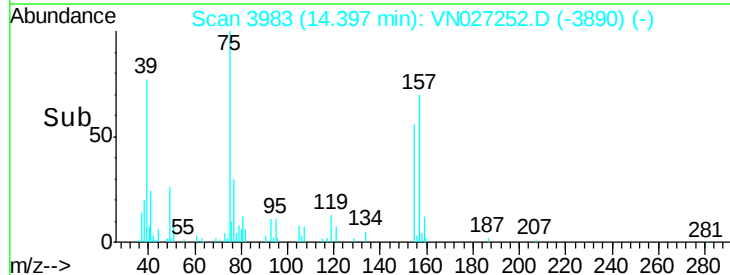
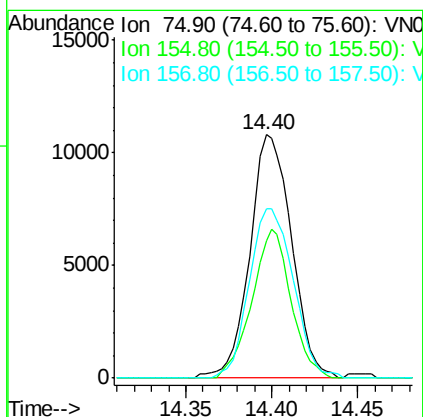
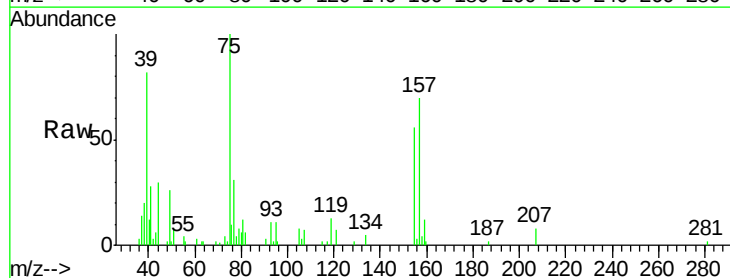
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER2015-02

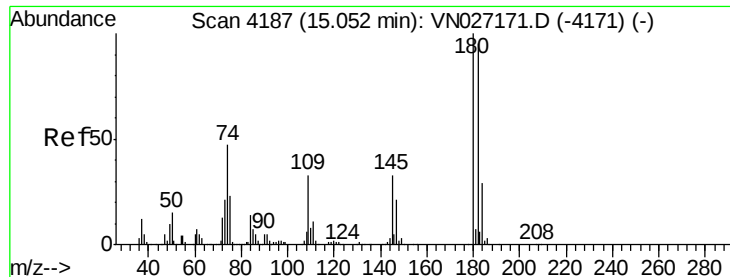
Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.5	22.1	66.3
148	62.5	32.0	96.0



#93
 1,2-Dibromo-3-Chloropropane
 Concen: 8.27 ug/l
 RT: 14.40 min Scan# 3983
 Delta R.T. -0.00 min
 Lab File: VN027252.D
 Acq: 17 Sep 2015 13:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	57.0	35.6	106.9
157	73.6	44.6	133.8

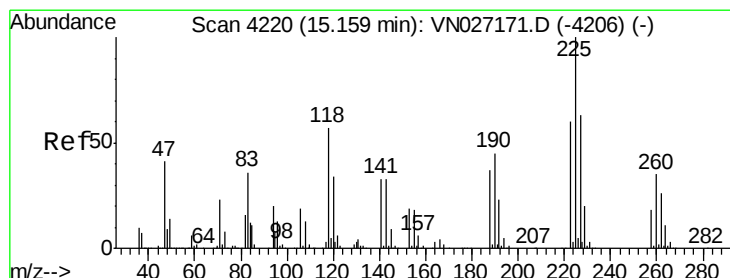
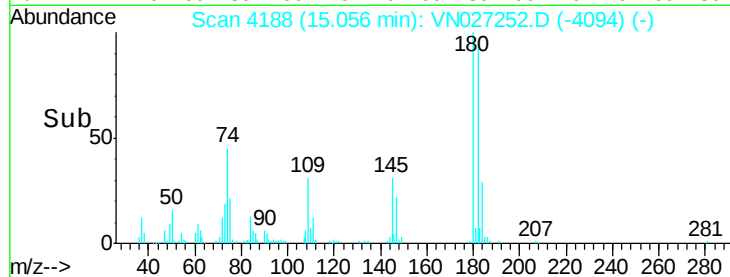
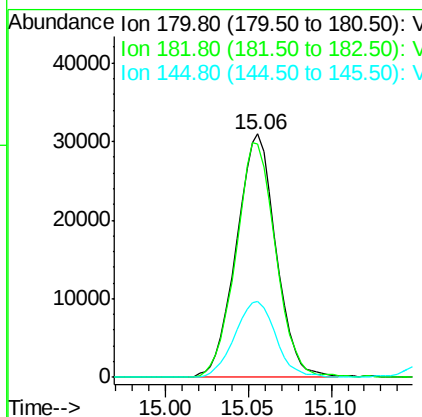
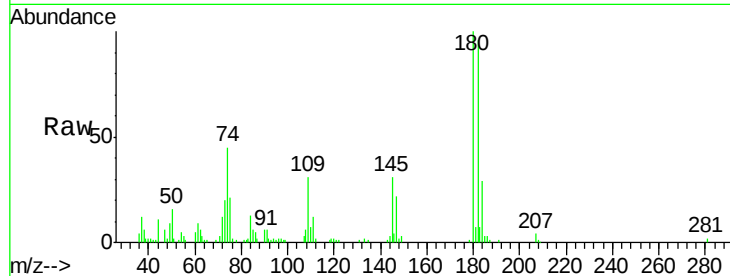




#94
 1,2,4-Trichlorobenzene
 Concen: 8.50 ug/l
 RT: 15.06 min Scan# 4187
 Delta R.T. 0.00 min
 Lab File: VN027252.D
 Acq: 17 Sep 2015 13:49

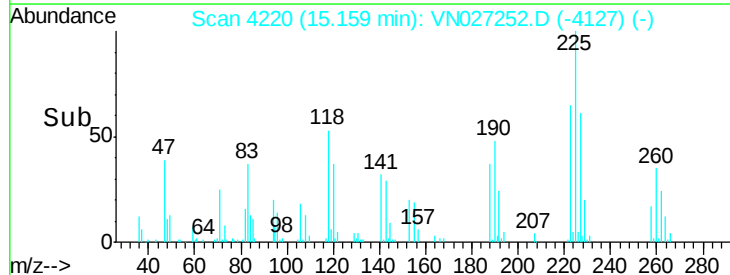
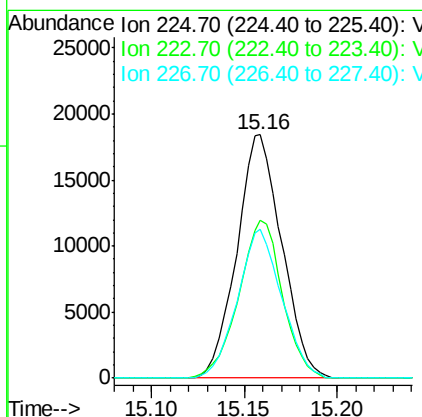
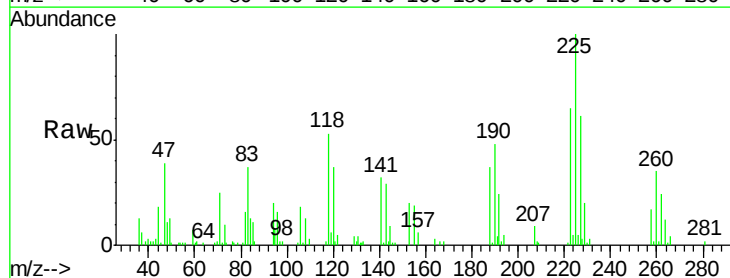
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER2015-02

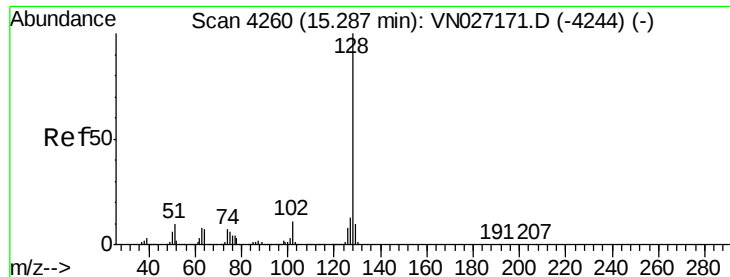
Tgt Ion:180 Resp: 51370
 Ion Ratio Lower Upper
 180 100
 182 97.0 47.5 142.5
 145 32.2 15.1 45.3



#95
 Hexachlorobutadiene
 Concen: 9.72 ug/l
 RT: 15.16 min Scan# 4220
 Delta R.T. 0.00 min
 Lab File: VN027252.D
 Acq: 17 Sep 2015 13:49

Tgt Ion:225 Resp: 30937
 Ion Ratio Lower Upper
 225 100
 223 63.0 30.8 92.3
 227 60.3 31.7 95.1





#96

Naphthalene

Concen: 8.34 ug/l

RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER2015-02

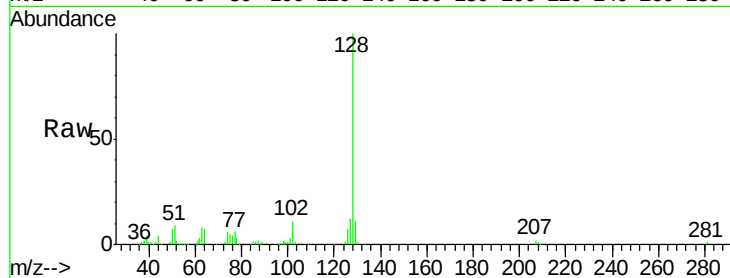
Tgt Ion:128 Resp: 147686

Ion Ratio Lower Upper

128 100

127 12.4 10.4 15.6

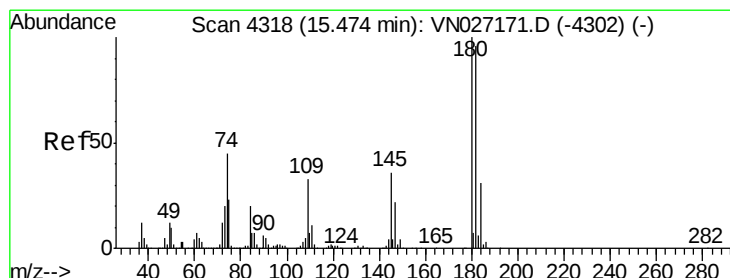
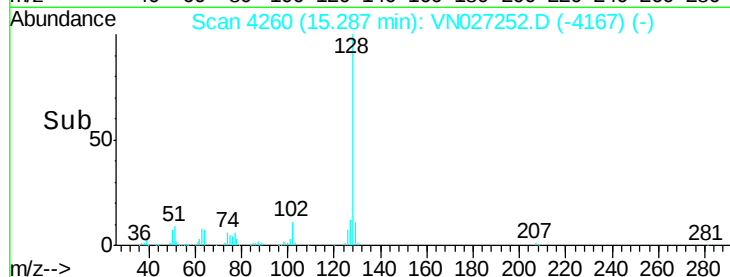
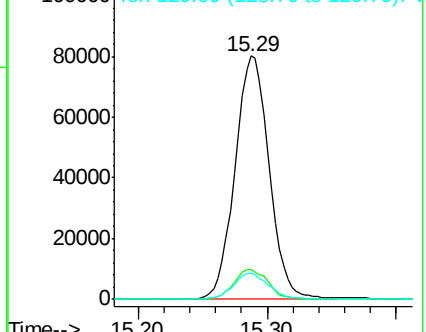
129 11.2 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#97

1,2,3-Trichlorobenzene

Concen: 8.74 ug/l

RT: 15.47 min Scan# 4318

Delta R.T. 0.00 min

Lab File: VN027252.D

Acq: 17 Sep 2015 13:49

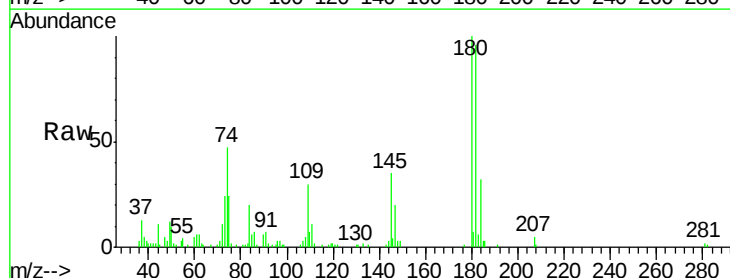
Tgt Ion:180 Resp: 52483

Ion Ratio Lower Upper

180 100

182 96.8 48.8 146.4

145 37.3 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

