

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN091715\
 Data File : VN027273.D
 Acq On : 18 Sep 2015 00:24
 Operator : MD\FY
 Sample : G3683-03DL 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1R-11DL

Quant Time: Sep 18 06:43:16 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	745360	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1303315	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1112997	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	406996	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	726581	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	
36) Dibromofluoromethane	7.68	113	464894	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
51) Toluene-d8	10.19	98	1933479	54.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.32%	
63) 4-Bromofluorobenzene	12.52	95	647305	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	

Target Compounds

						Qvalue
4) Chloromethane	2.01	50	1173	1.22	ug/l #	83
6) Bromomethane	2.54	94	726	1.74	ug/l	86
12) Tert butyl alcohol	4.80	59	39153	26.22	ug/l #	93
14) Acrolein	3.59	56	8994	5.13	ug/l #	1
15) Allyl chloride	4.48	41	6117	0.32	ug/l #	1
17) Acetone	3.84	43	7167	1.74	ug/l #	66
19) Methyl Acetate	4.60	43	51319	1.72	ug/l #	56
20) Methyl tert-butyl Ether	5.12	73	8486	0.22	ug/l #	1
23) Diisopropyl ether	6.04	45	15842	0.39	ug/l #	75
30) Tetrahydrofuran	7.33	42	1584	0.37	ug/l #	76
32) Cyclohexane	7.76	56	108020	4.30	ug/l #	77
37) 1,1-Dichloropropene	7.75	75	77256	5.06	ug/l #	46
38) Ethyl Acetate	7.09	43	407	Below	Cal #	61
39) Carbon Tetrachloride	7.75	117	83226	5.80	ug/l #	16
40) Methylcyclohexane	9.19	83	45933	2.47	ug/l	97
41) Benzene	8.14	78	4901508	110.11	ug/l	100
42) Methacrylonitrile	7.43	41	2048	0.28	ug/l #	26
43) 1,2-Dichloroethane	8.14	62	47371	2.64	ug/l	79
44) Isopropyl Acetate	8.19	43	66179	2.71	ug/l #	56
53) Toluene	10.26	92	84240	3.23	ug/l	96
56) 1,1,2-Trichloroethane	10.64	97	4746	0.48	ug/l #	21
68) Ethyl Benzene	11.62	91	1190242	23.89	ug/l	100
69) m/p-Xylenes	11.72	106	894730	52.05	ug/l	91
70) o-Xylene	12.06	106	26915	1.56	ug/l	99
74) Isopropylbenzene	12.36	105	238244	5.31	ug/l	97
76) 1,1,2,2-Tetrachloroethane	12.62	83	202	Below	Cal #	25
77) 1,2,3-Trichloropropane	12.52	75	378093	30.74	ug/l #	1
79) n-propylbenzene	12.71	91	459669	8.71	ug/l	98
80) 2-Chlorotoluene	12.85	91	17654	0.56	ug/l #	44
81) 1,3,5-Trimethylbenzene	12.85	105	165211	4.59	ug/l	96
82) trans-1,4-Dichloro-2-buten	12.52	75	378093	75.50	ug/l #	4
83) 4-Chlorotoluene	12.85	91	17654	0.57	ug/l #	45
85) 1,2,4-Trimethylbenzene	13.16	105	170835	4.72	ug/l	94
86) sec-Butylbenzene	13.29	105	19678	0.45	ug/l #	80

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Quant Title : SW846 8260
QLast Update : Tue Sep 15 21:12:09 2015
Response via : Initial Calibration

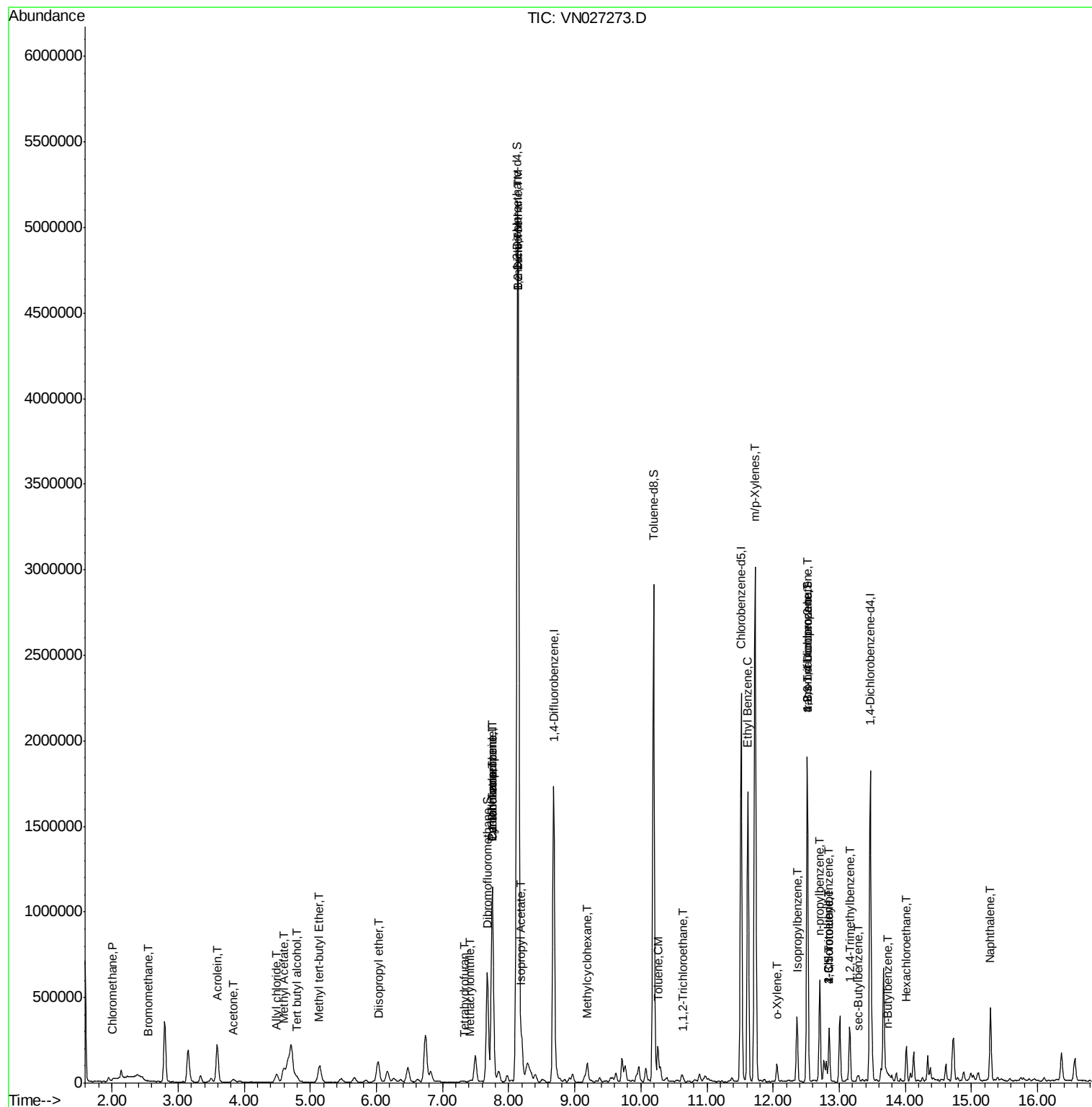
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) n-Butylbenzene	13.74	91	20665	0.63	ug/l #	85
91) Hexachloroethane	14.01	117	10418	1.42	ug/l #	15
93) 1,2-Dibromo-3-Chloropropan	14.40	75	687	Below Cal	#	9
96) Naphthalene	15.29	128	335748	14.25	ug/l	100

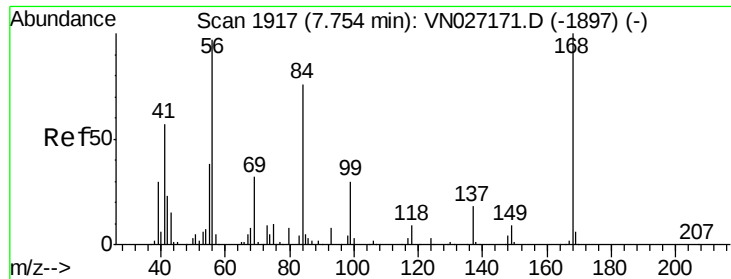
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VN027273.D

Acq: 18 Sep 2015 00:24

Instrument :

MSVOA_N

ClientSampleId :

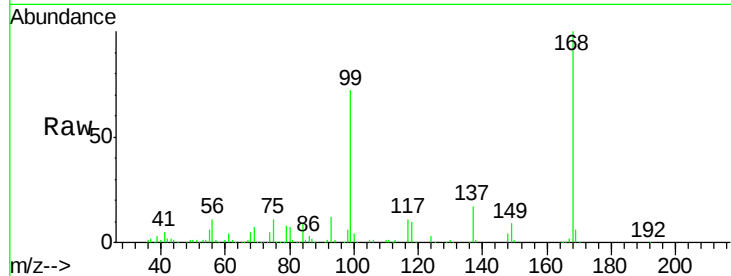
MW-1R-11DL

Tgt Ion:168 Resp: 745360

Ion Ratio Lower Upper

168 100

99 71.9 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

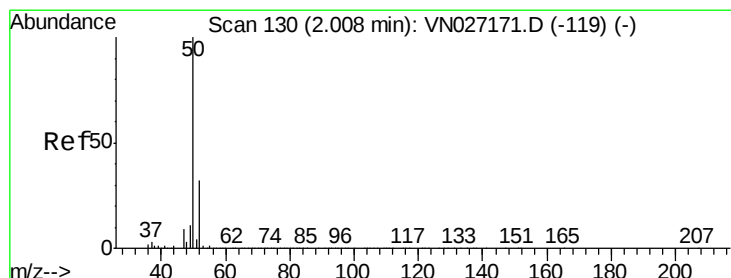
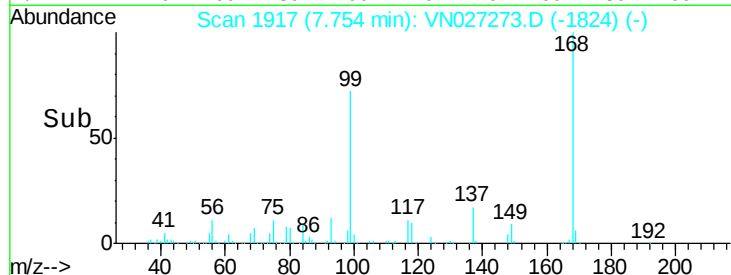
300000

200000

100000

0

Time--> 7.60 7.70 7.80 7.90



#4

Chloromethane

Concen: 1.22 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027273.D

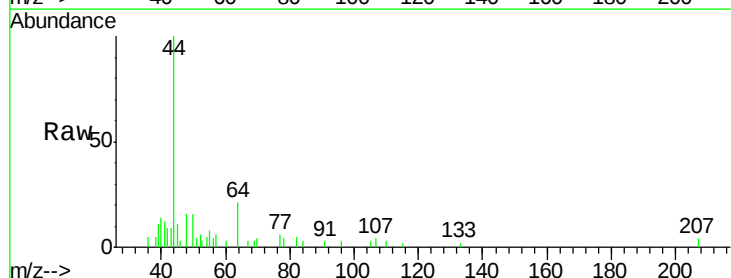
Acq: 18 Sep 2015 00:24

Tgt Ion: 50 Resp: 1173

Ion Ratio Lower Upper

50 100

52 22.9 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

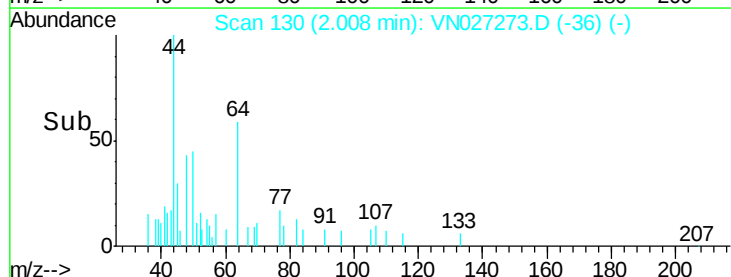
2.01

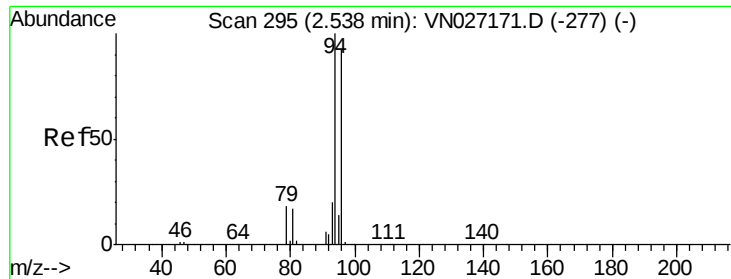
1000

500

0

Time--> 1.98 2.00 2.02





#6

Bromomethane

Concen: 1.74 ug/l

RT: 2.54 min Scan# 296

Delta R.T. 0.00 min

Lab File: VN027273.D

Acq: 18 Sep 2015 00:24

Instrument :

MSVOA_N

ClientSampled :

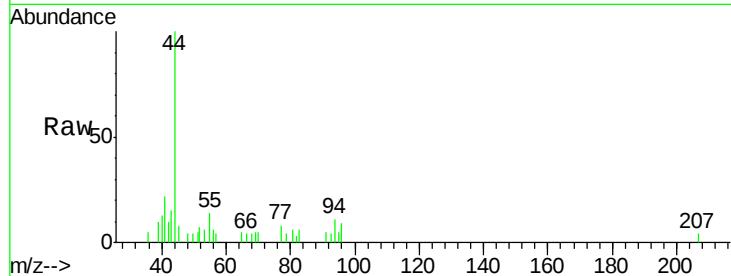
MW-1R-11DL

Tgt Ion: 94 Resp: 726

Ion Ratio Lower Upper

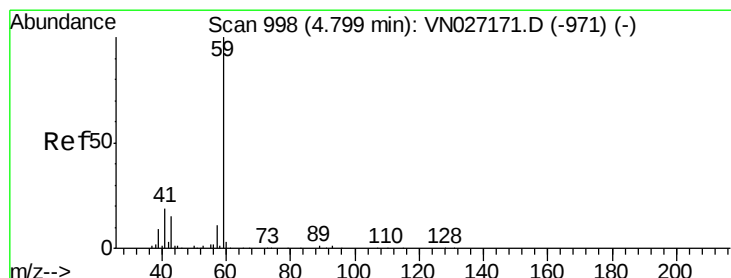
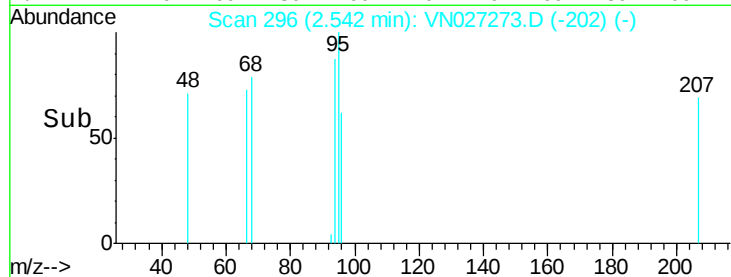
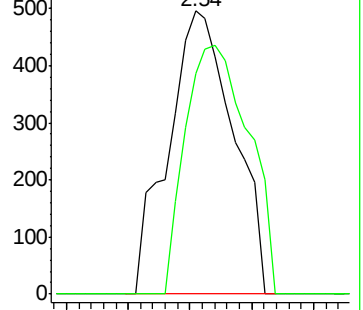
94 100

96 78.0 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#12

Tert butyl alcohol

Concen: 26.22 ug/l

RT: 4.80 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN027273.D

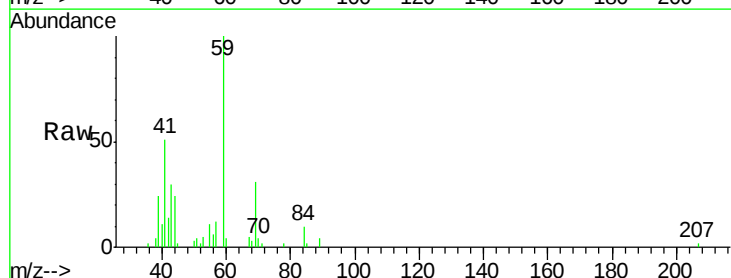
Acq: 18 Sep 2015 00:24

Tgt Ion: 59 Resp: 39153

Ion Ratio Lower Upper

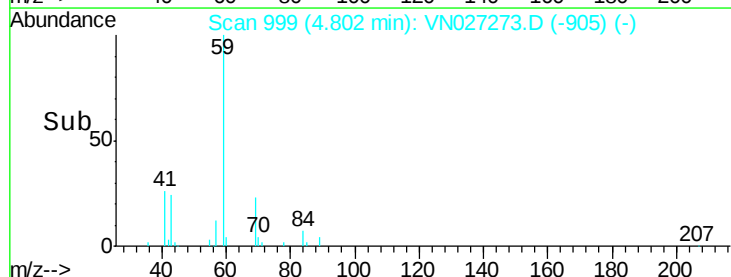
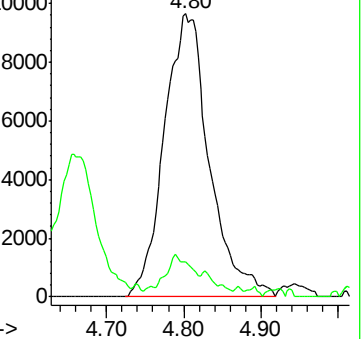
59 100

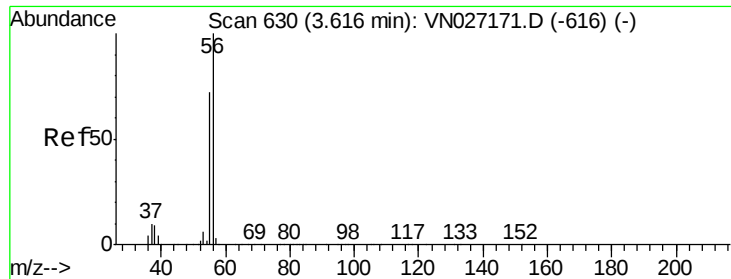
57 6.9 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#14

Acrolein

Concen: 5.13 ug/l

RT: 3.59 min Scan# 623

Delta R.T. -0.02 min

Lab File: VN027273.D

Acq: 18 Sep 2015 00:24

Instrument :

MSVOA_N

ClientSampled :

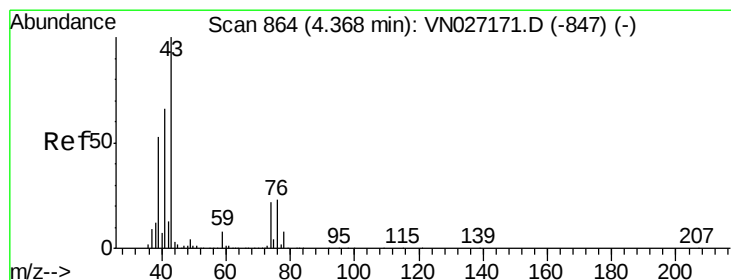
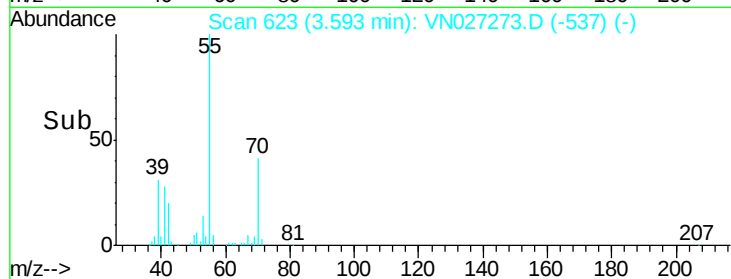
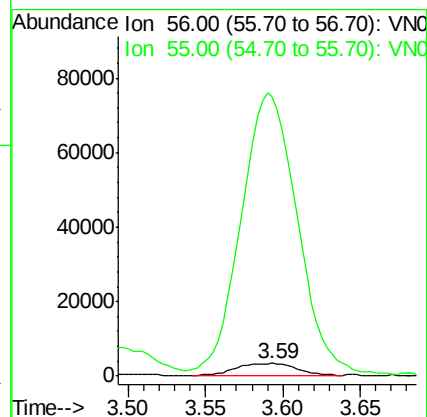
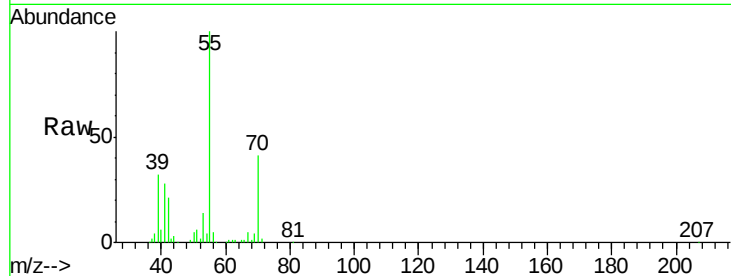
MW-1R-11DL

Tgt Ion: 56 Resp: 8994

Ion Ratio Lower Upper

56 100

55 2121.9 55.7 83.5#



#15

Allyl chloride

Concen: 0.32 ug/l

RT: 4.48 min Scan# 899

Delta R.T. 0.11 min

Lab File: VN027273.D

Acq: 18 Sep 2015 00:24

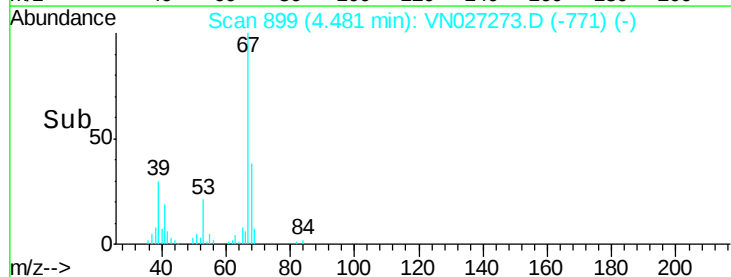
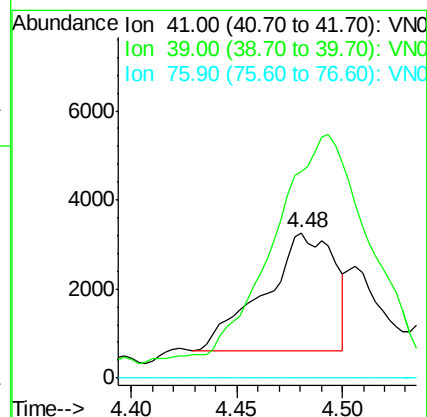
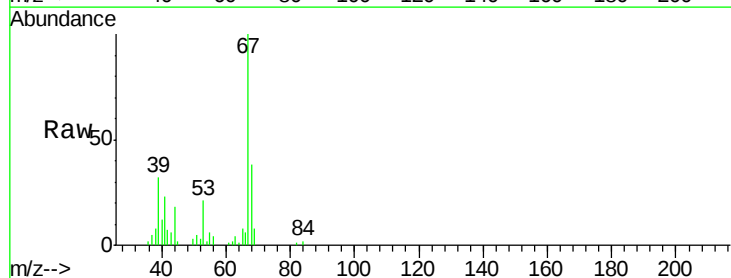
Tgt Ion: 41 Resp: 6117

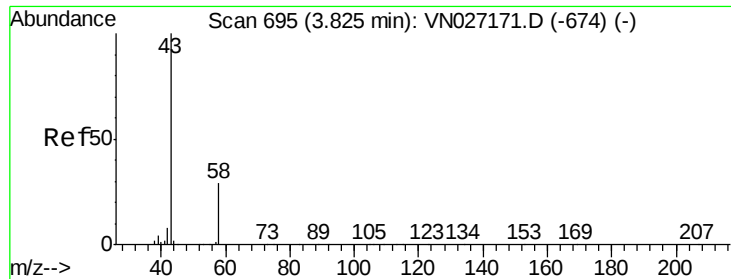
Ion Ratio Lower Upper

41 100

39 264.8 49.7 74.5#

76 0.0 24.8 37.2#





#17

Acetone

Concen: 1.74 ug/l

RT: 3.84 min Scan# 699

Delta R.T. 0.01 min

Lab File: VN027273.D

Acq: 18 Sep 2015 00:24

Instrument :

MSVOA_N

ClientSampleId :

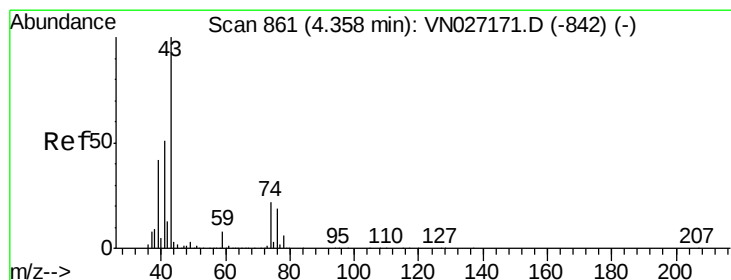
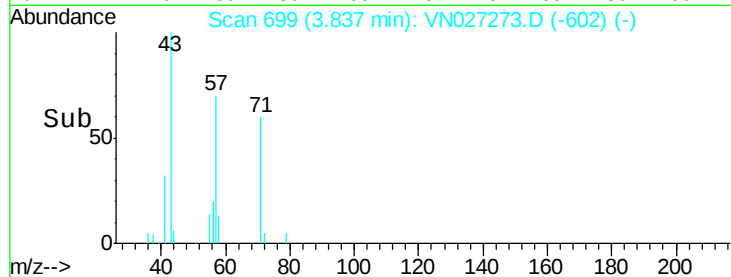
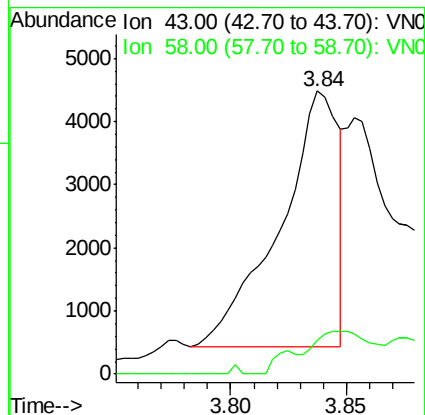
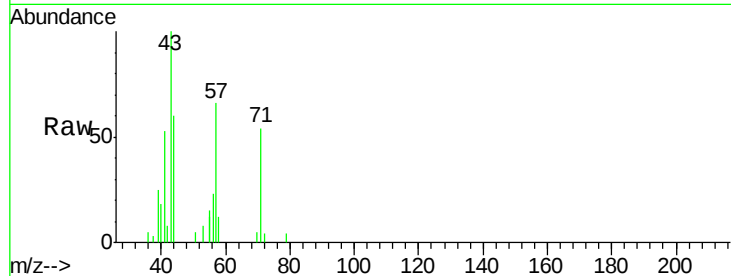
MW-1R-11DL

Tgt Ion: 43 Resp: 7167

Ion Ratio Lower Upper

43 100

58 13.0 25.4 38.0#



#19

Methyl Acetate

Concen: 1.72 ug/l

RT: 4.60 min Scan# 936

Delta R.T. 0.24 min

Lab File: VN027273.D

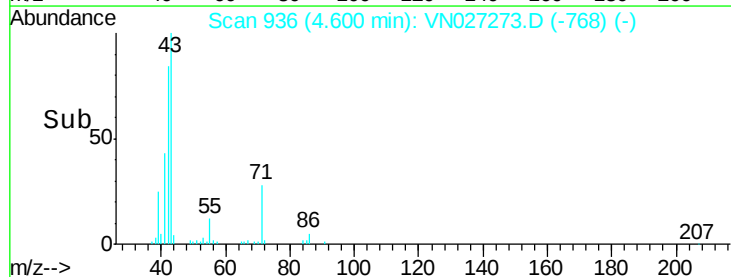
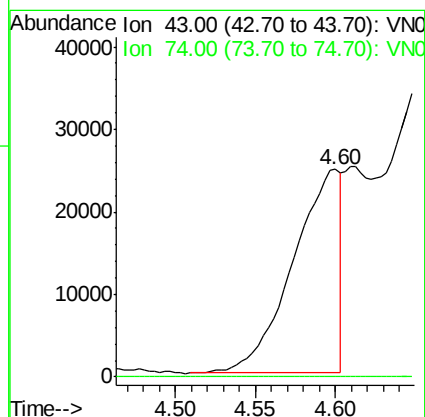
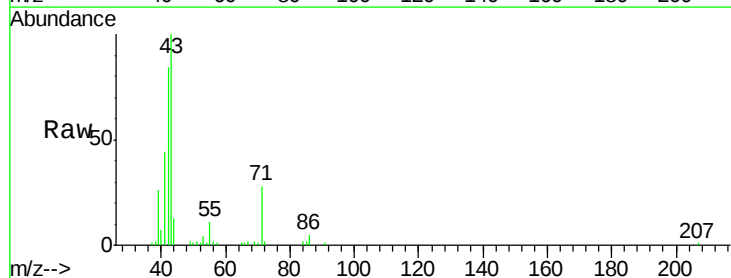
Acq: 18 Sep 2015 00:24

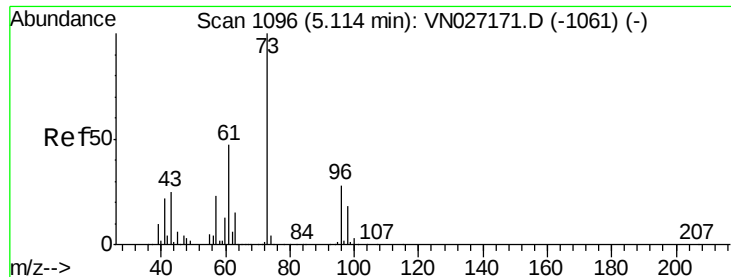
Tgt Ion: 43 Resp: 51319

Ion Ratio Lower Upper

43 100

74 0.0 16.2 24.2#





#20

Methyl tert-butyl Ether

Concen: 0.22 ug/l

RT: 5.12 min Scan# 1098

Delta R.T. 0.01 min

Lab File: VN027273.D

Acq: 18 Sep 2015 00:24

Instrument :

MSVOA_N

ClientSampleId :

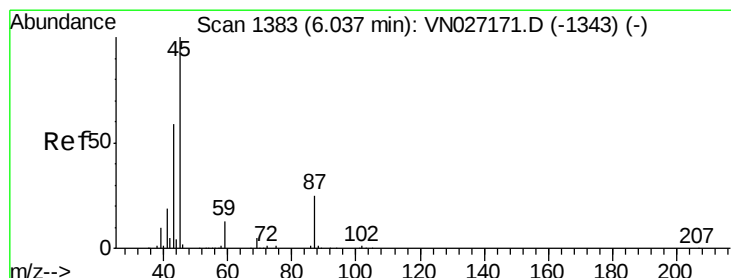
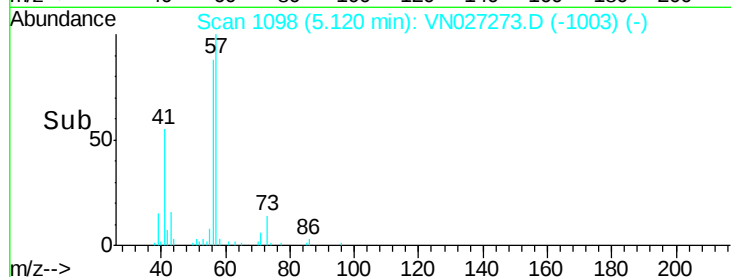
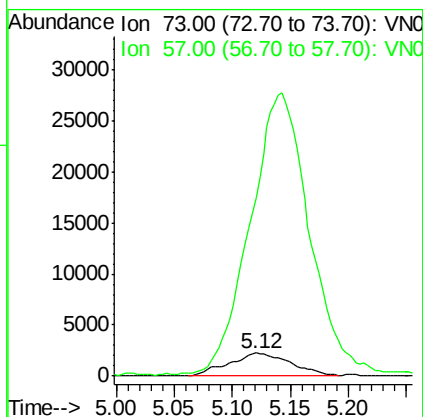
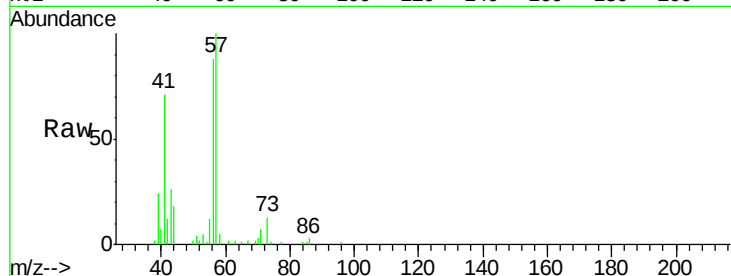
MW-1R-11DL

Tgt Ion: 73 Resp: 8486

Ion Ratio Lower Upper

73 100

57 754.1 19.8 29.6#



#23

Diisopropyl ether

Concen: 0.39 ug/l

RT: 6.04 min Scan# 1385

Delta R.T. 0.01 min

Lab File: VN027273.D

Acq: 18 Sep 2015 00:24

Tgt Ion: 45 Resp: 15842

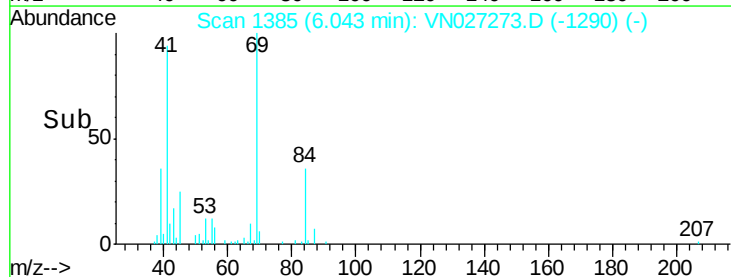
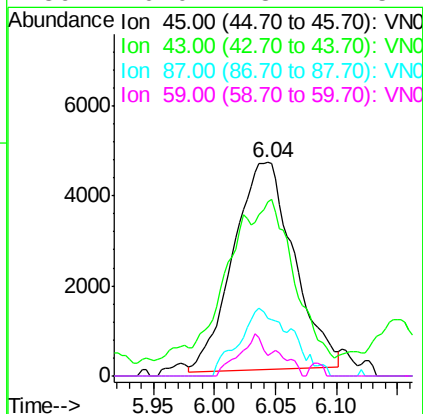
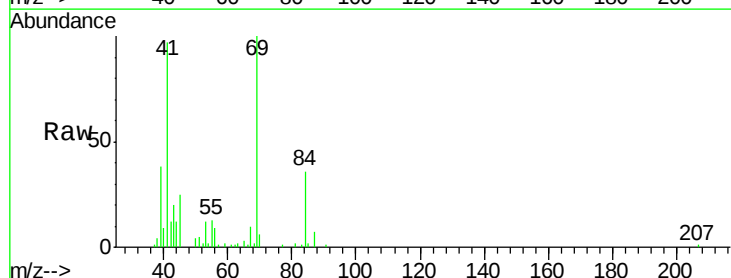
Ion Ratio Lower Upper

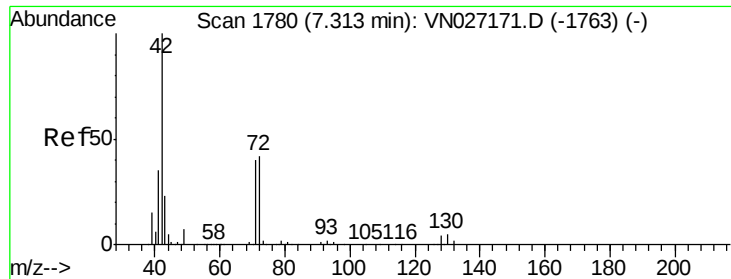
45 100

43 75.0 41.0 61.6#

87 28.4 17.5 26.3#

59 10.0 8.7 13.1

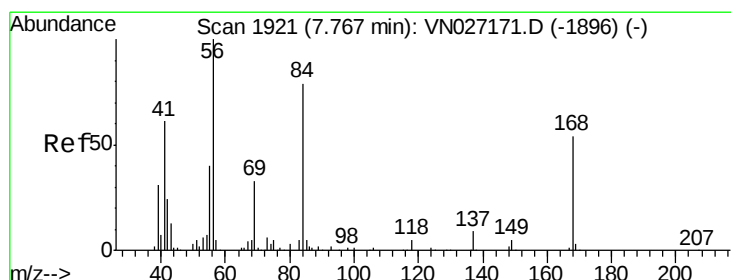
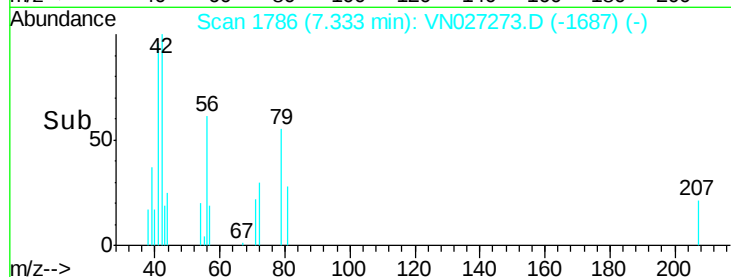
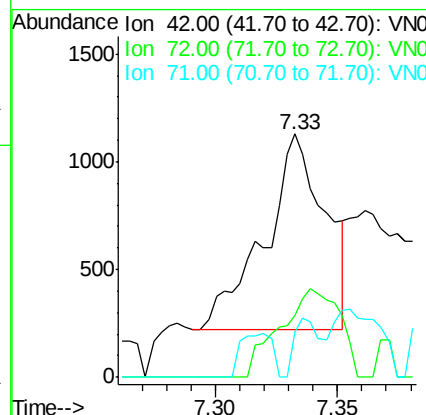
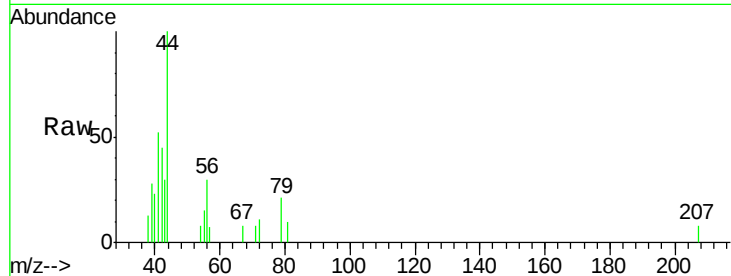




#30
Tetrahydrofuran
Concen: 0.37 ug/l
RT: 7.33 min Scan# 1786
Delta R.T. 0.02 min
Lab File: VN027273.D
Acq: 18 Sep 2015 00:24

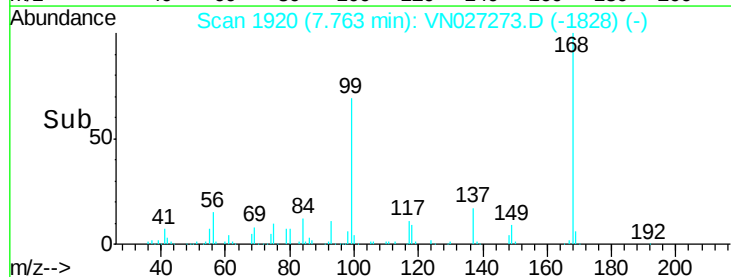
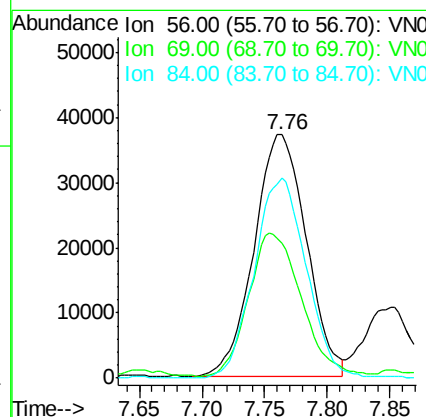
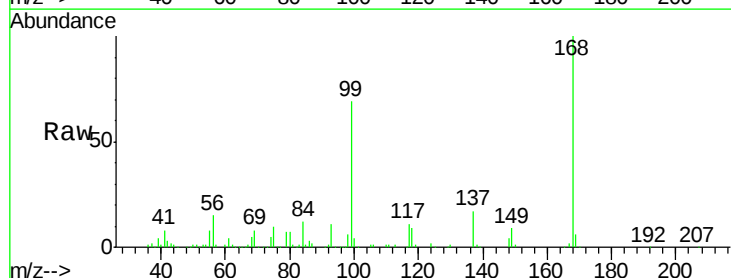
Instrument :
MSVOA_N
ClientSampled :
MW-1R-11DL

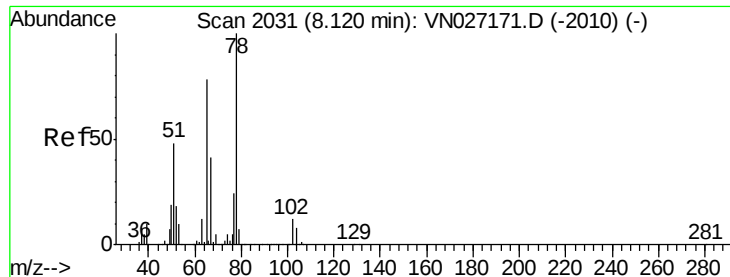
Tgt Ion: 42 Resp: 1584
Ion Ratio Lower Upper
42 100
72 43.7 29.9 44.9
71 13.3 28.3 42.5#



#32
Cyclohexane
Concen: 4.30 ug/l
RT: 7.76 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VN027273.D
Acq: 18 Sep 2015 00:24

Tgt Ion: 56 Resp: 108020
Ion Ratio Lower Upper
56 100
69 54.9 23.0 34.4#
84 82.6 57.8 86.8





#34

1,2-Dichloroethane-d4

Concen: 47.58 ug/l

RT: 8.12 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VN027273.D

Acq: 18 Sep 2015 00:24

Instrument :

MSVOA_N

ClientSampleId :

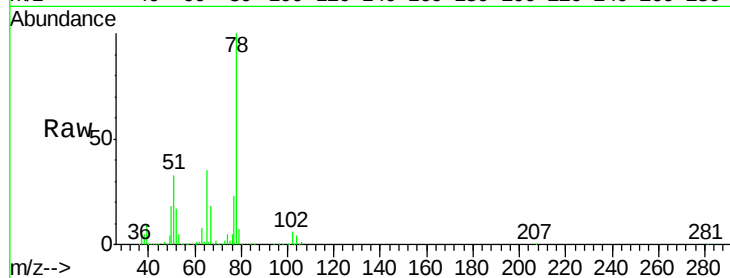
MW-1R-11DL

Tgt Ion: 65 Resp: 726581

Ion Ratio Lower Upper

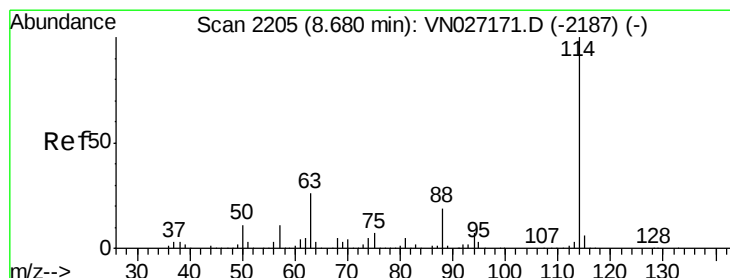
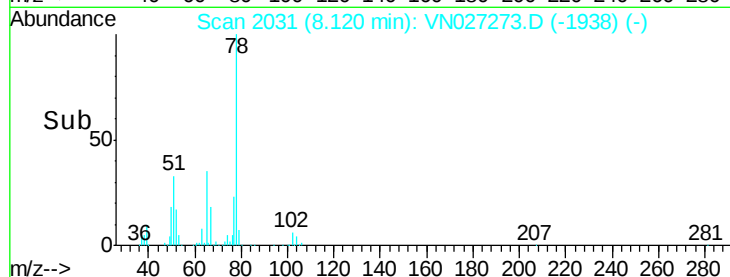
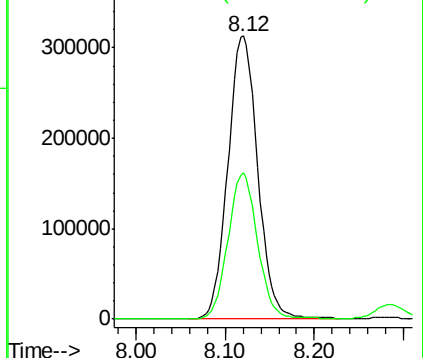
65 100

67 51.0 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: VN027273.D

Acq: 18 Sep 2015 00:24

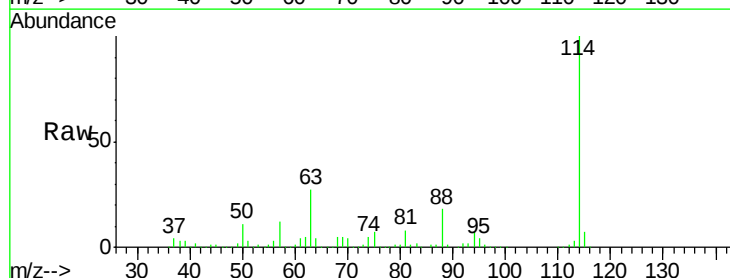
Tgt Ion: 114 Resp: 1303315

Ion Ratio Lower Upper

114 100

63 26.8 0.0 48.8

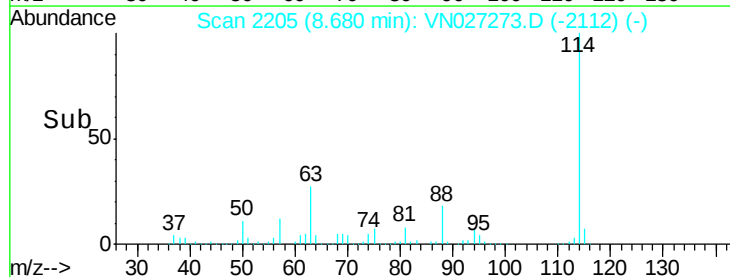
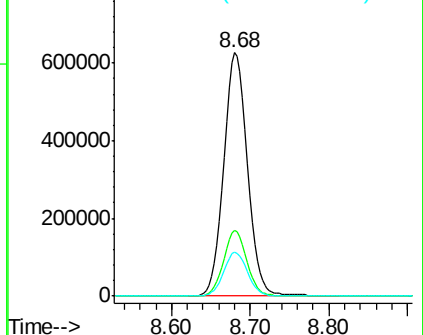
88 17.9 0.0 32.2

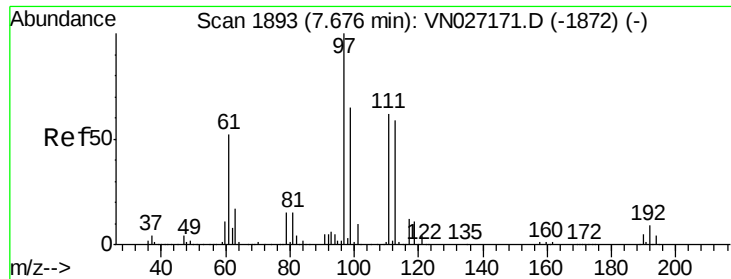


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

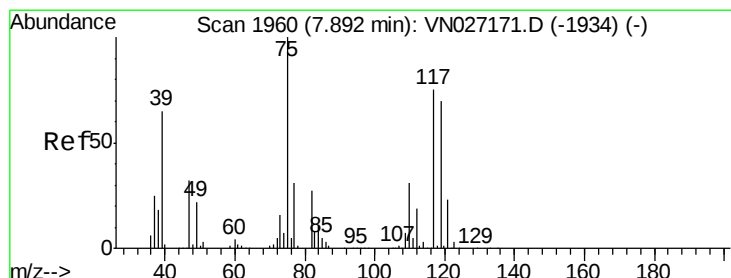
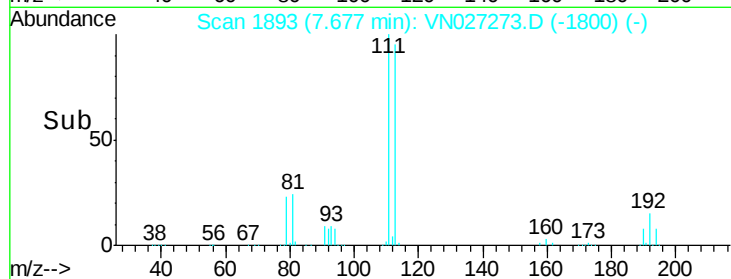
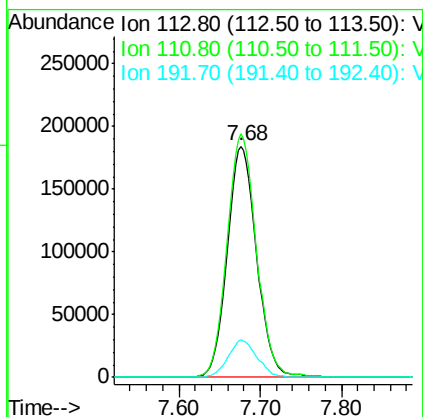
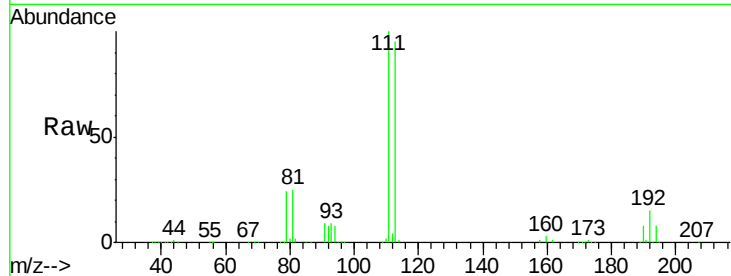




#36
 Dibromofluoromethane
 Concen: 51.46 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027273.D
 Acq: 18 Sep 2015 00:24

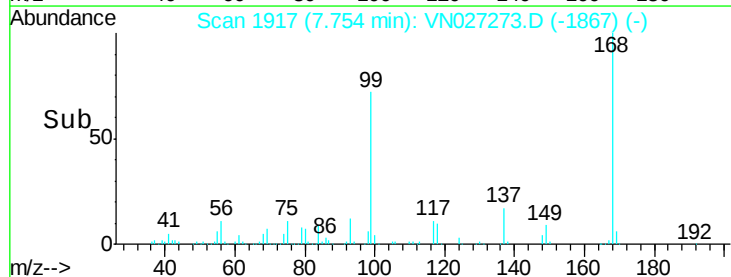
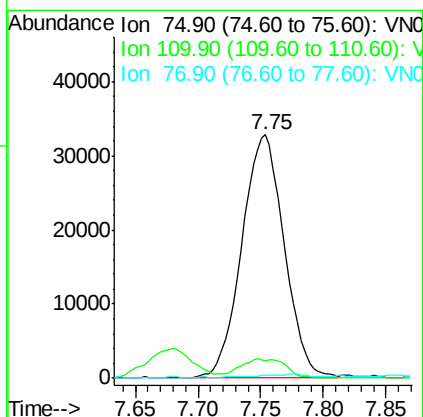
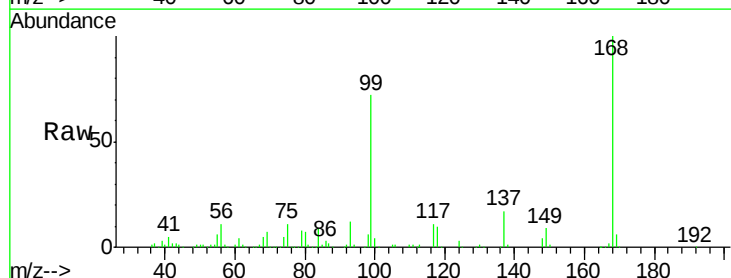
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1R-11DL

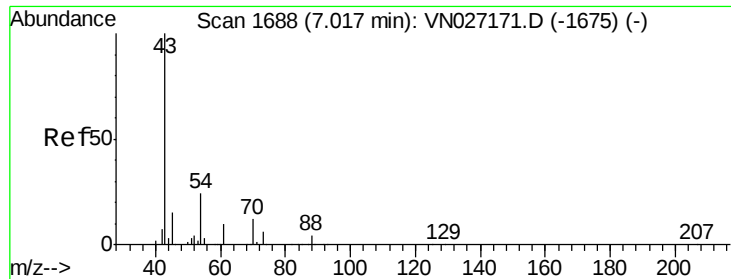
Tgt Ion: 113 Resp: 464894
 Ion Ratio Lower Upper
 113 100
 111 105.7 83.0 124.4
 192 15.9 14.1 21.1



#37
 1,1-Dichloropropene
 Concen: 5.06 ug/l
 RT: 7.75 min Scan# 1917
 Delta R.T. -0.14 min
 Lab File: VN027273.D
 Acq: 18 Sep 2015 00:24

Tgt Ion: 75 Resp: 77256
 Ion Ratio Lower Upper
 75 100
 110 3.4 15.9 47.7#
 77 0.0 24.9 37.3#

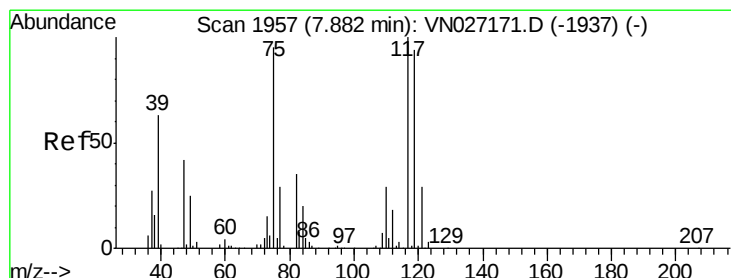
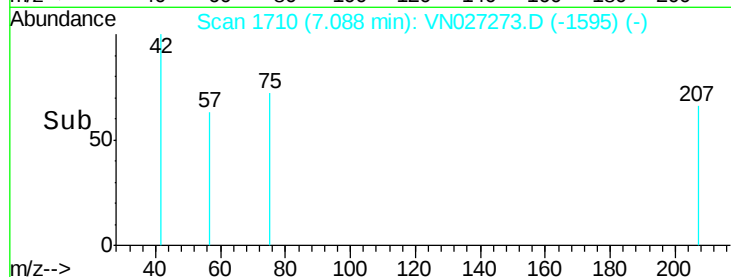
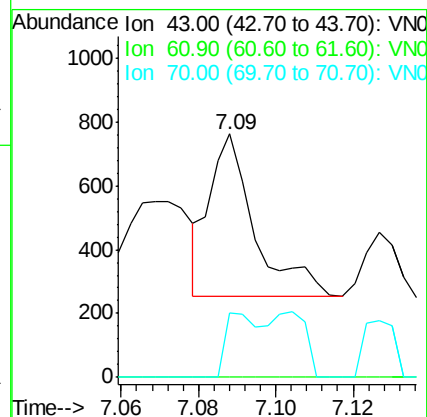
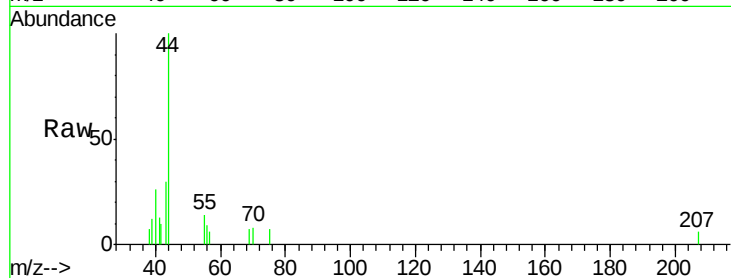




#38
Ethyl Acetate
Concen: Below Cal
RT: 7.09 min Scan# 1710
Delta R.T. 0.07 min
Lab File: VN027273.D
Acq: 18 Sep 2015 00:24

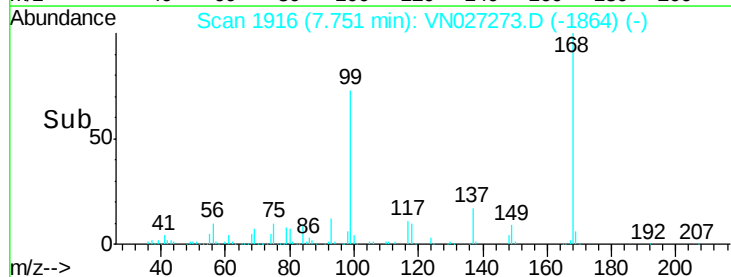
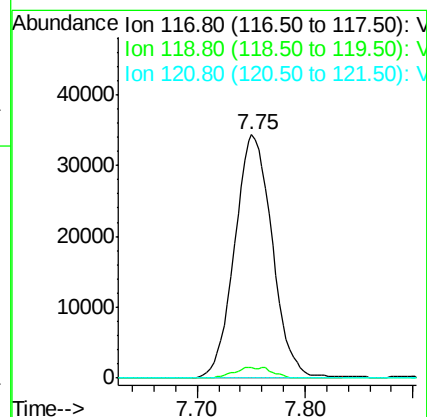
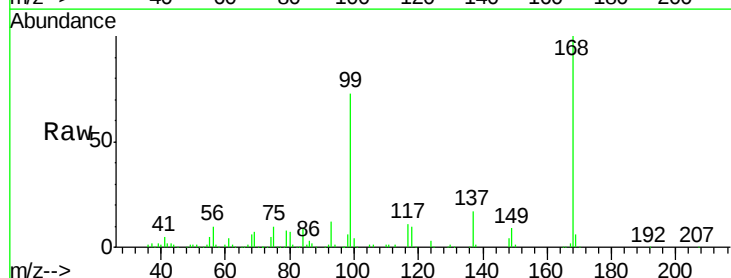
Instrument :
MSVOA_N
ClientSampled :
MW-1R-11DL

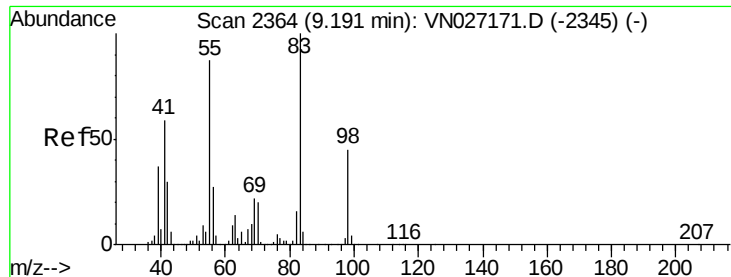
Tgt Ion: 43 Resp: 407
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 26.5 7.4 11.0#



#39
Carbon Tetrachloride
Concen: 5.80 ug/l
RT: 7.75 min Scan# 1916
Delta R.T. -0.13 min
Lab File: VN027273.D
Acq: 18 Sep 2015 00:24

Tgt Ion: 117 Resp: 83226
Ion Ratio Lower Upper
117 100
119 4.3 75.3 112.9#
121 0.0 23.8 35.8#

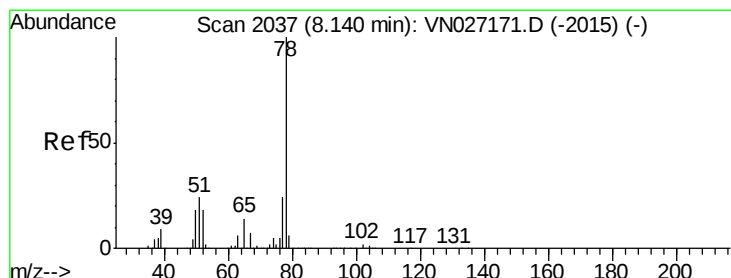
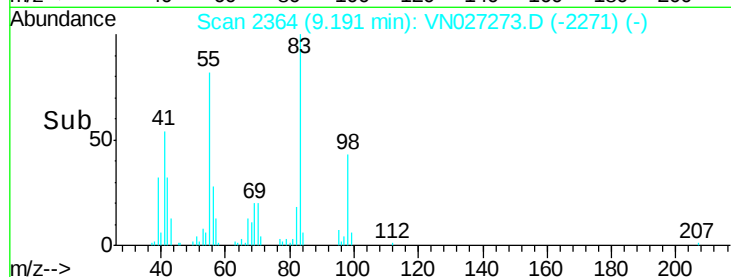
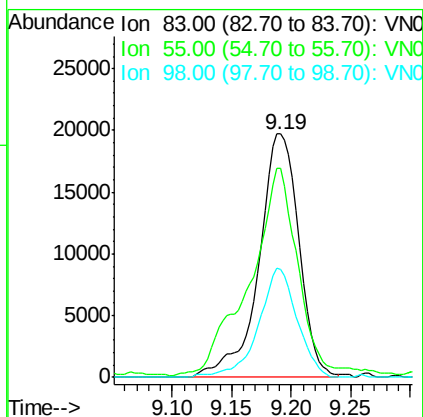
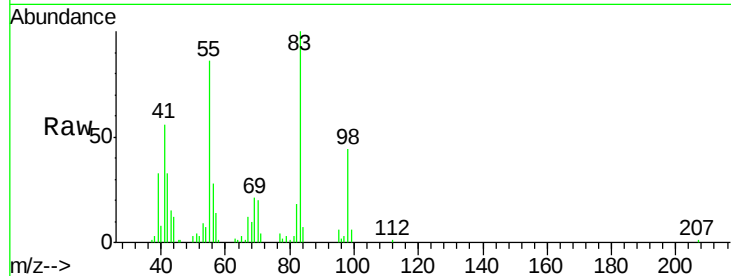




#40
Methylcyclohexane
Concen: 2.47 ug/l
RT: 9.19 min Scan# 2364
Delta R.T. 0.00 min
Lab File: VN027273.D
Acq: 18 Sep 2015 00:24

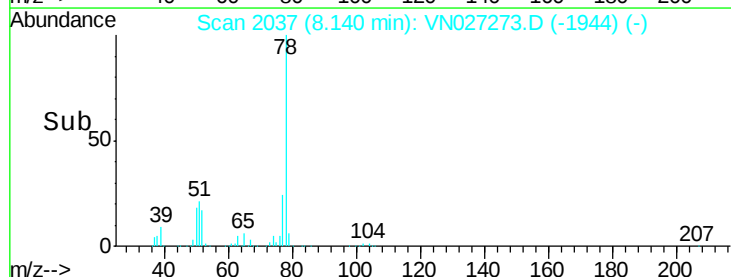
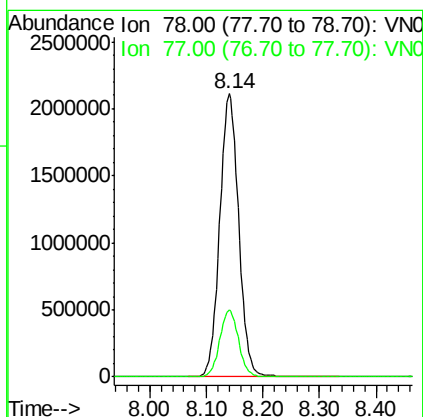
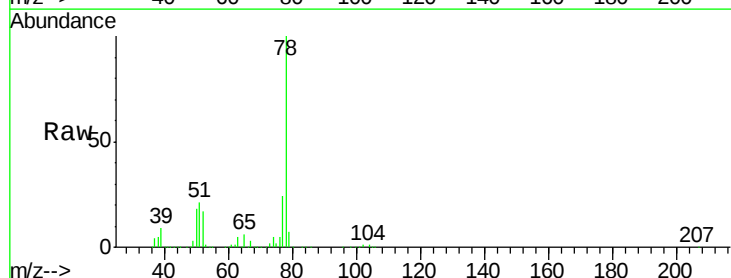
Instrument :
MSVOA_N
ClientSampled :
MW-1R-11DL

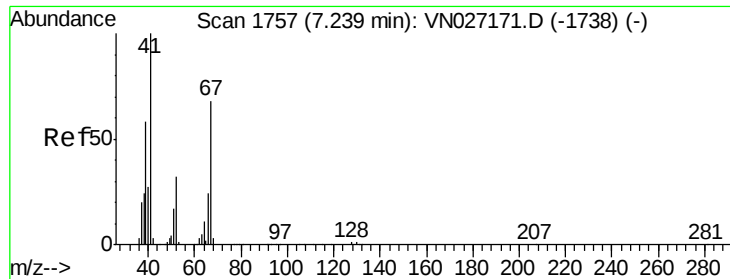
Tgt Ion: 83 Resp: 45933
Ion Ratio Lower Upper
83 100
55 83.5 69.8 104.8
98 44.4 34.3 51.5



#41
Benzene
Concen: 110.11 ug/l
RT: 8.14 min Scan# 2037
Delta R.T. 0.00 min
Lab File: VN027273.D
Acq: 18 Sep 2015 00:24

Tgt Ion: 78 Resp: 4901508
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4





#42

Methacrylonitrile

Concen: 0.28 ug/l

RT: 7.43 min Scan# 1815

Delta R.T. 0.19 min

Lab File: VN027273.D

Acq: 18 Sep 2015 00:24

Instrument :

MSVOA_N

ClientSampleId :

MW-1R-11DL

Tgt Ion: 41 Resp: 2048

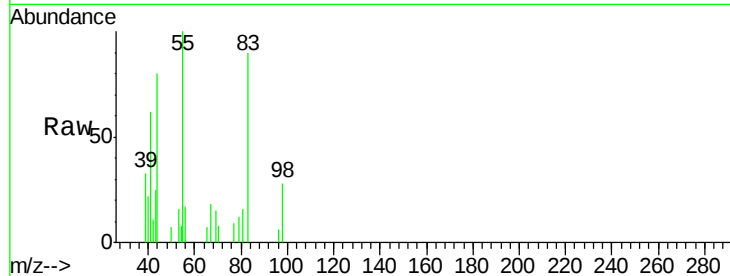
Ion Ratio Lower Upper

41 100

39 0.0 43.0 64.6#

67 0.0 52.2 78.2#

52 0.0 21.3 31.9#

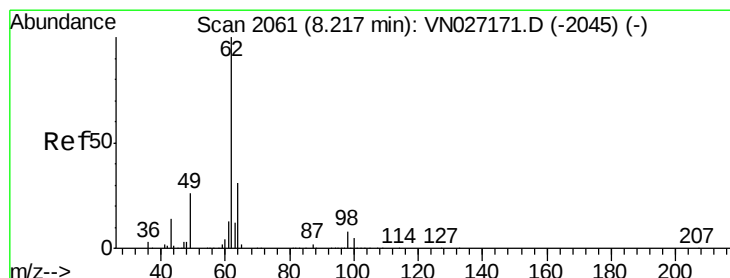
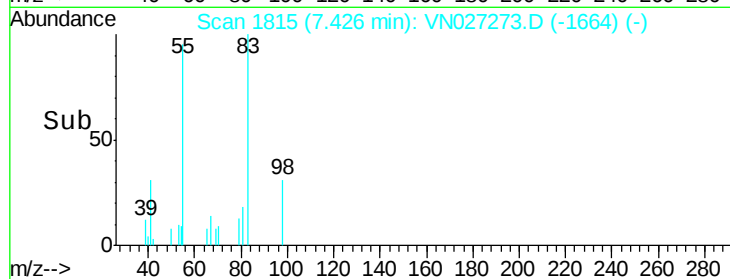
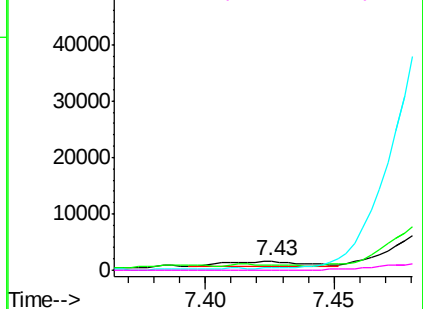


Abundance Ion 41.00 (40.70 to 41.70): VN0

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



#43

1,2-Dichloroethane

Concen: 2.64 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. -0.08 min

Lab File: VN027273.D

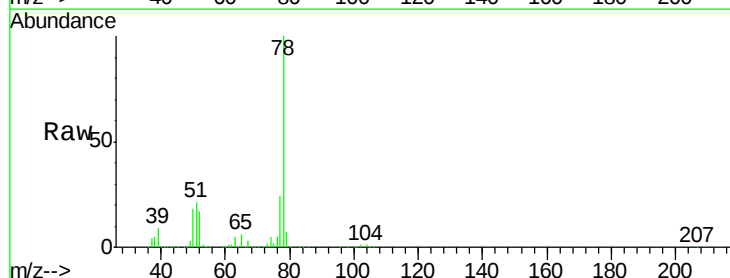
Acq: 18 Sep 2015 00:24

Tgt Ion: 62 Resp: 47371

Ion Ratio Lower Upper

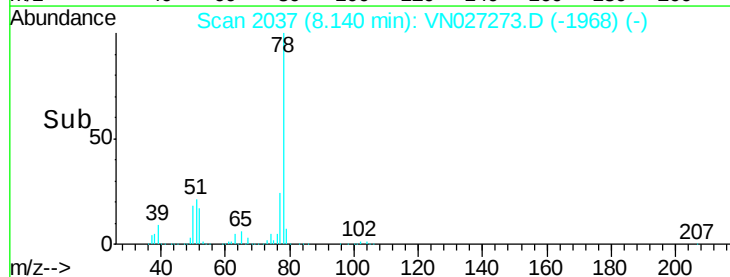
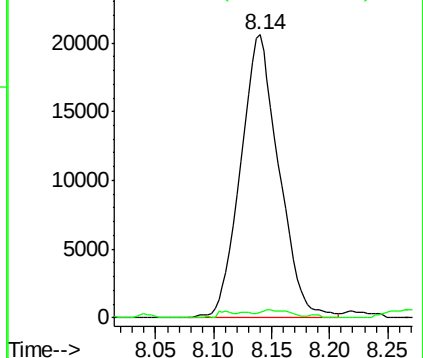
62 100

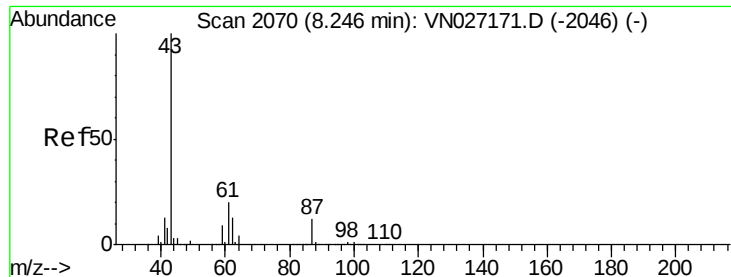
98 1.4 0.0 18.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#44

Isopropyl Acetate

Concen: 2.71 ug/l

RT: 8.19 min Scan# 2054

Delta R.T. -0.05 min

Lab File: VN027273.D

Acq: 18 Sep 2015 00:24

Instrument :

MSVOA_N

ClientSampleId :

MW-1R-11DL

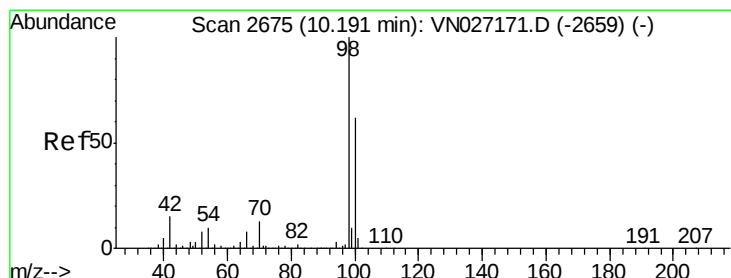
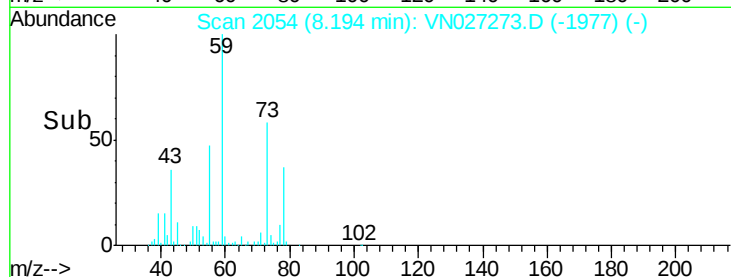
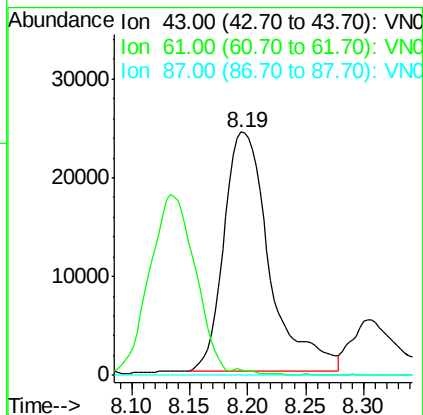
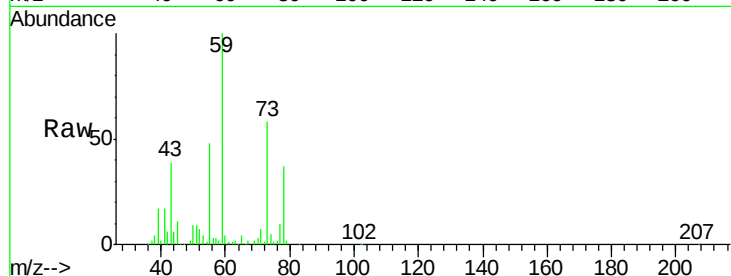
Tgt Ion: 43 Resp: 66179

Ion Ratio Lower Upper

43 100

61 0.0 20.6 31.0#

87 0.0 8.6 13.0#



#51

Toluene-d8

Concen: 54.66 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027273.D

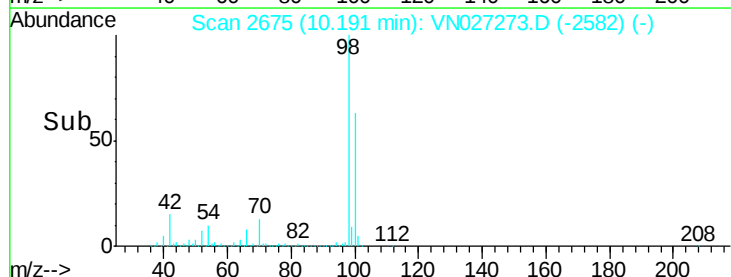
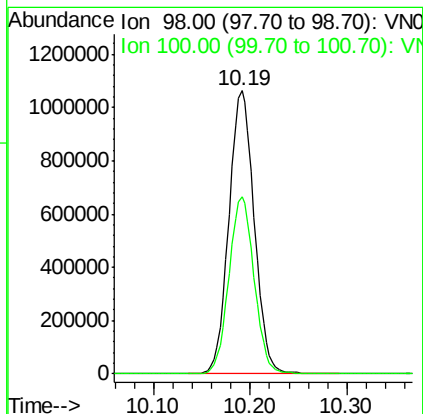
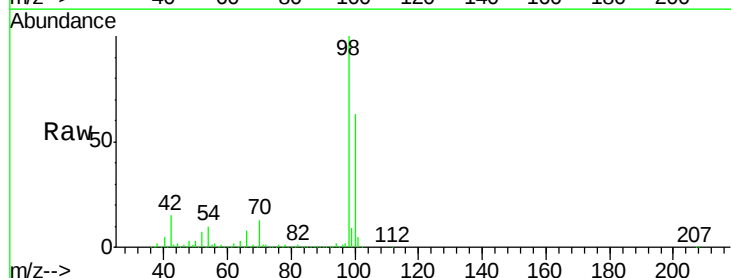
Acq: 18 Sep 2015 00:24

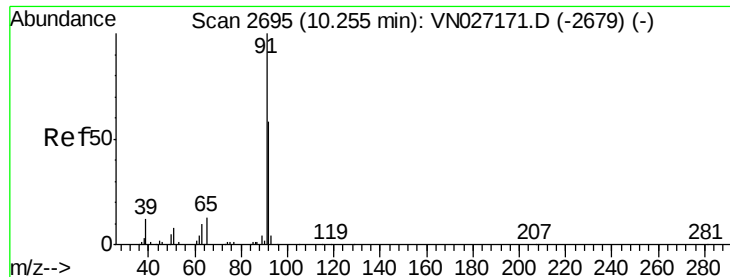
Tgt Ion: 98 Resp: 1933479

Ion Ratio Lower Upper

98 100

100 62.4 50.5 75.7





#53

Toluene

Concen: 3.23 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027273.D

Acq: 18 Sep 2015 00:24

Instrument :

MSVOA_N

ClientSampled :

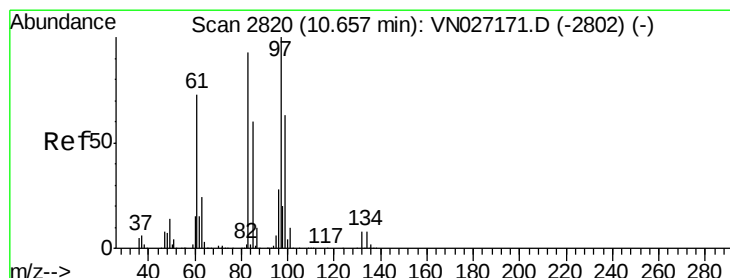
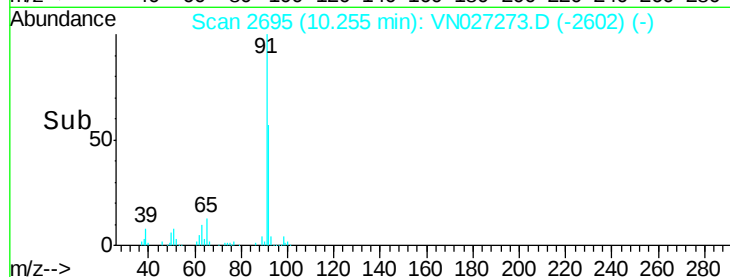
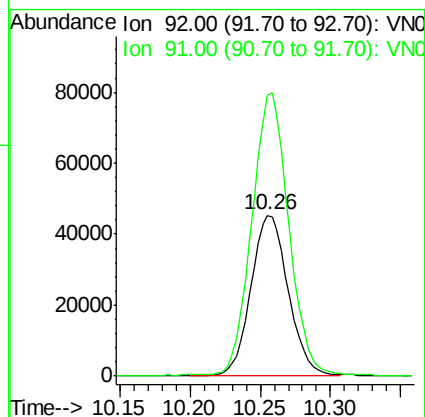
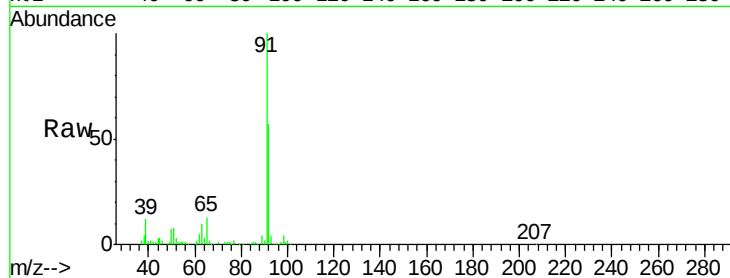
MW-1R-11DL

Tgt Ion: 92 Resp: 84240

Ion Ratio Lower Upper

92 100

91 171.2 141.4 212.2



#56

1,1,2-Trichloroethane

Concen: 0.48 ug/l

RT: 10.64 min Scan# 2815

Delta R.T. -0.02 min

Lab File: VN027273.D

Acq: 18 Sep 2015 00:24

Tgt Ion: 97 Resp: 4746

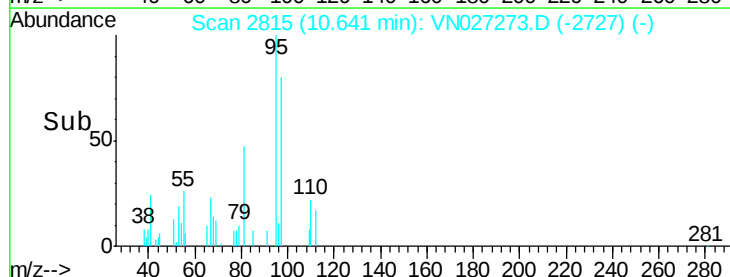
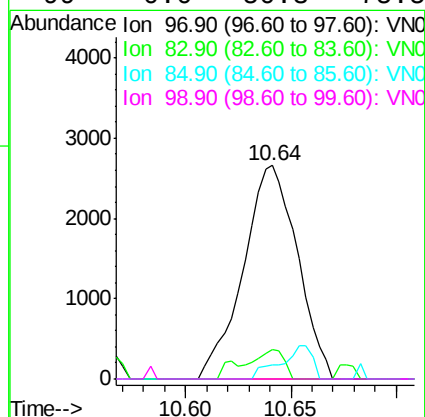
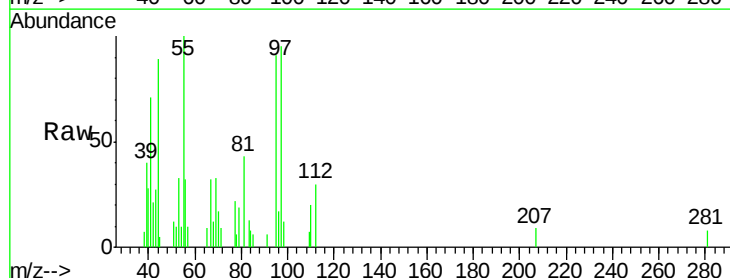
Ion Ratio Lower Upper

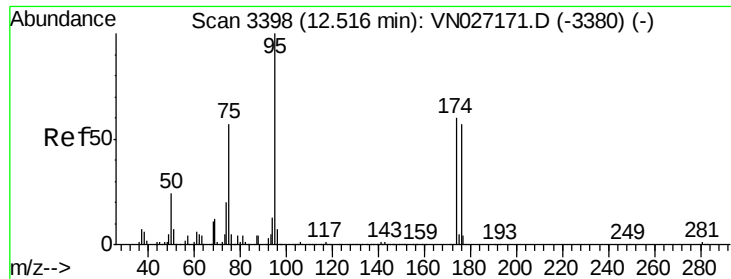
97 100

83 13.9 75.0 112.4#

85 6.5 48.0 72.0#

99 0.0 50.3 75.5#

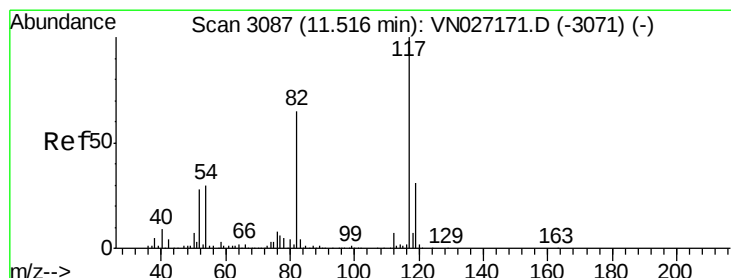
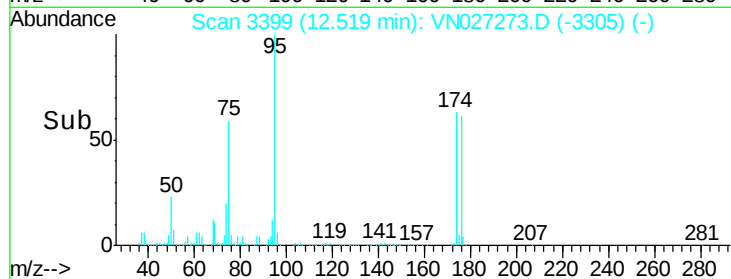
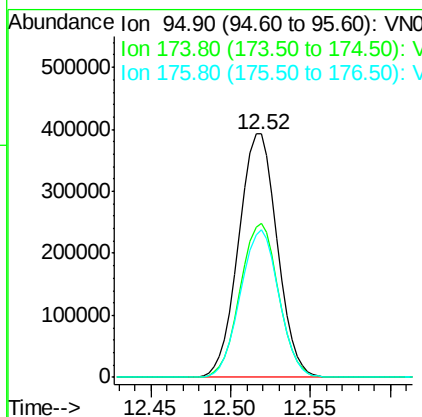
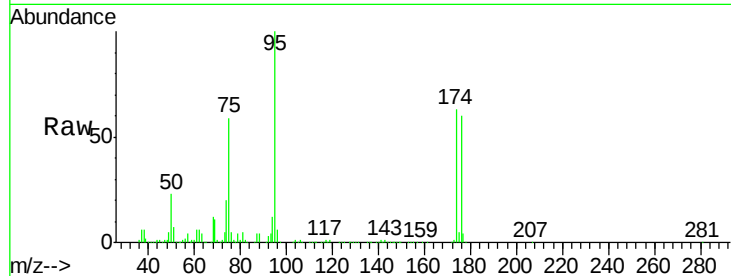




#63
 4-Bromofluorobenzene
 Concen: 51.56 ug/l
 RT: 12.52 min Scan# 3399
 Delta R.T. 0.00 min
 Lab File: VN027273.D
 Acq: 18 Sep 2015 00:24

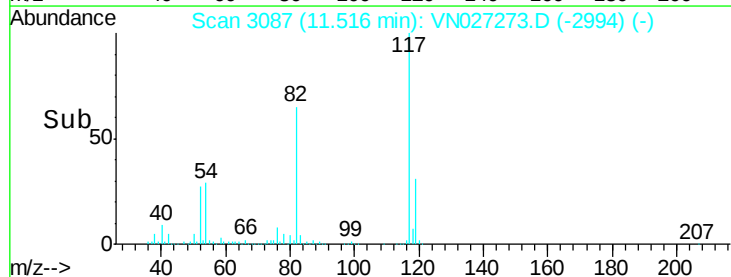
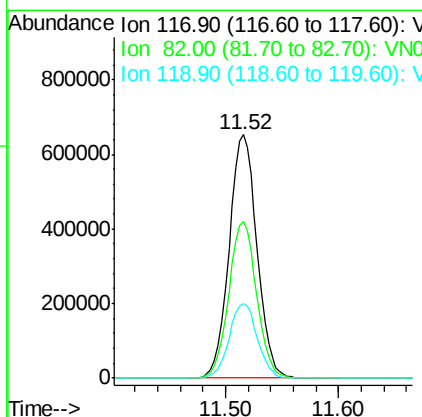
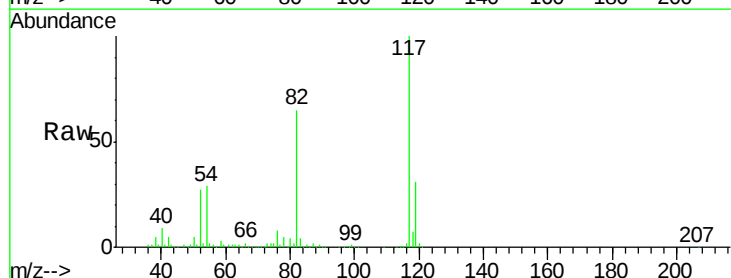
Instrument :
 MSVOA_N
 ClientSampled :
 MW-1R-11DL

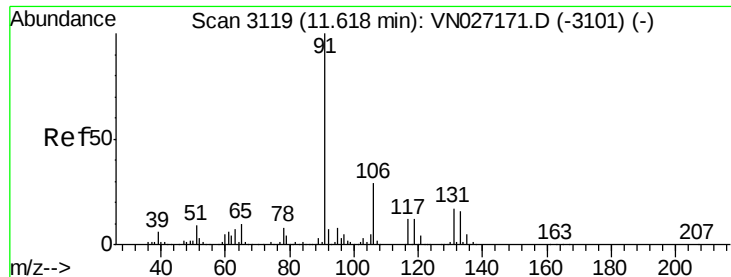
Tgt Ion: 95 Resp: 647305
 Ion Ratio Lower Upper
 95 100
 174 63.0 0.0 137.0
 176 60.2 0.0 130.8



#64
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.52 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VN027273.D
 Acq: 18 Sep 2015 00:24

Tgt Ion: 117 Resp: 1112997
 Ion Ratio Lower Upper
 117 100
 82 64.5 49.6 74.4
 119 30.9 24.6 36.8





#68

Ethyl Benzene

Concen: 23.89 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. 0.00 min

Lab File: VN027273.D

Acq: 18 Sep 2015 00:24

Instrument :

MSVOA_N

ClientSampled :

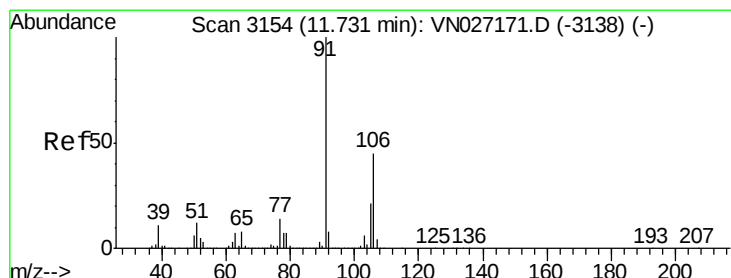
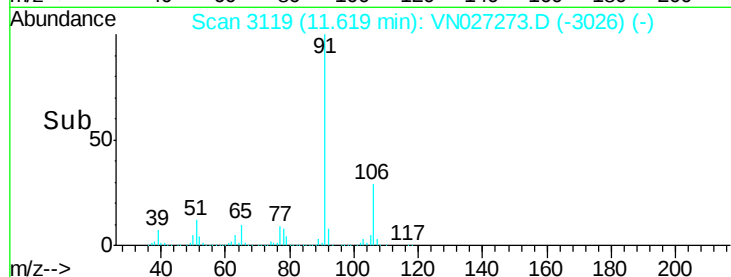
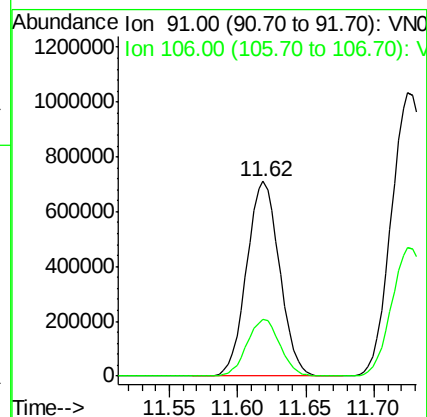
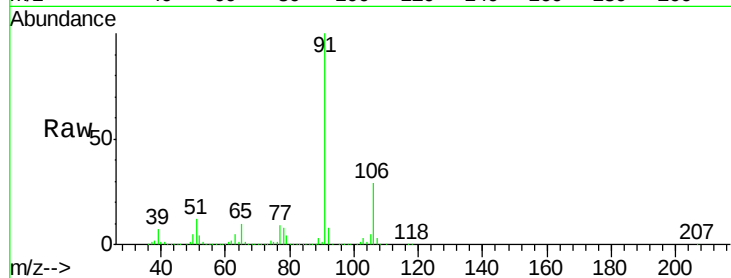
MW-1R-11DL

Tgt Ion: 91 Resp: 1190242

Ion Ratio Lower Upper

91 100

106 29.0 23.1 34.7



#69

m/p-Xylenes

Concen: 52.05 ug/l

RT: 11.72 min Scan# 3152

Delta R.T. -0.01 min

Lab File: VN027273.D

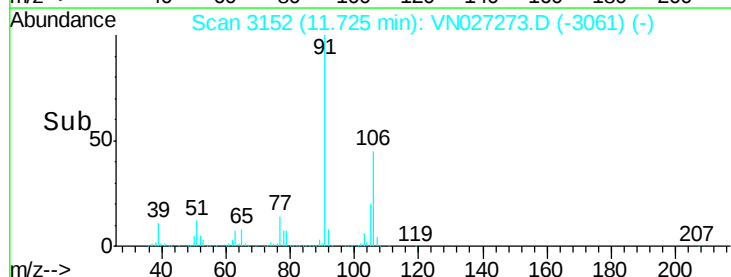
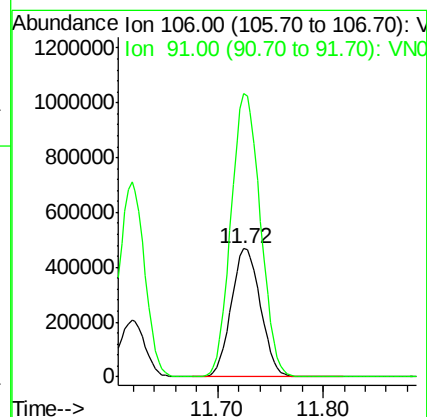
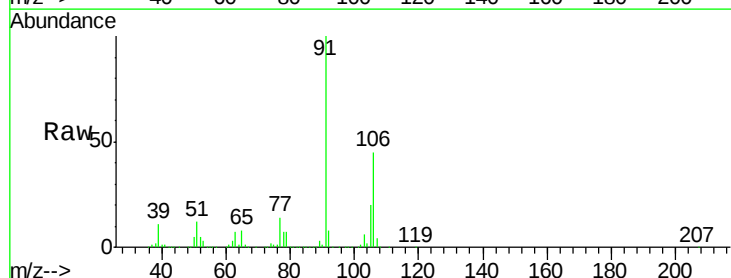
Acq: 18 Sep 2015 00:24

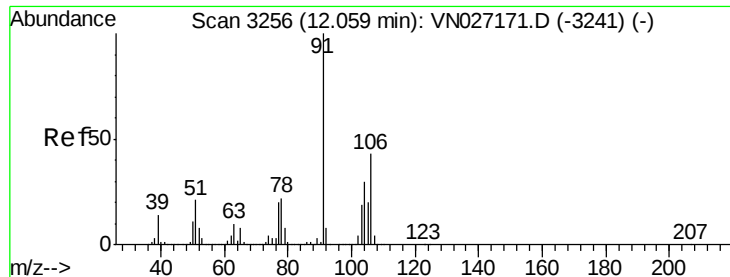
Tgt Ion: 106 Resp: 894730

Ion Ratio Lower Upper

106 100

91 222.5 167.1 250.7

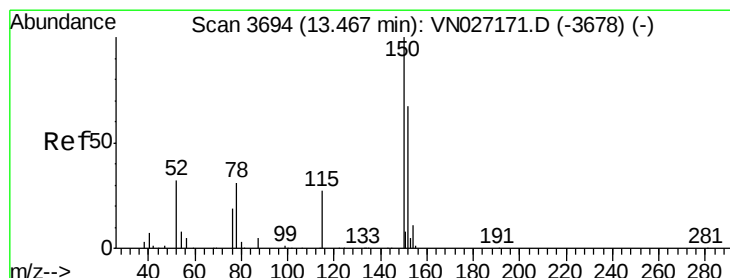
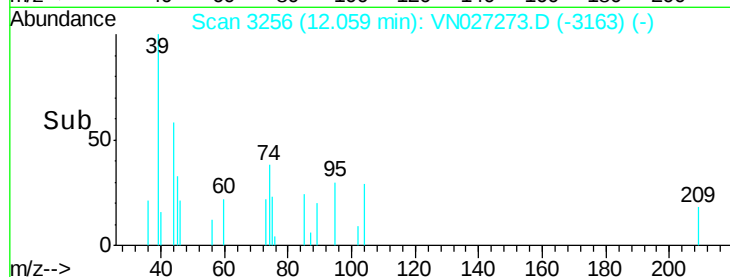
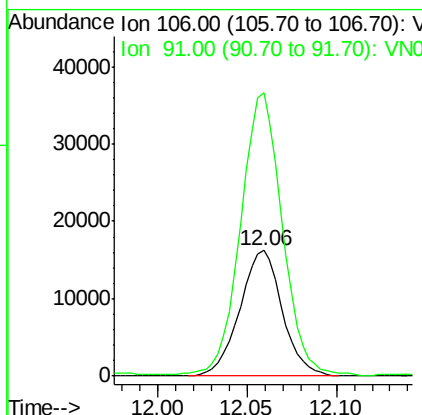
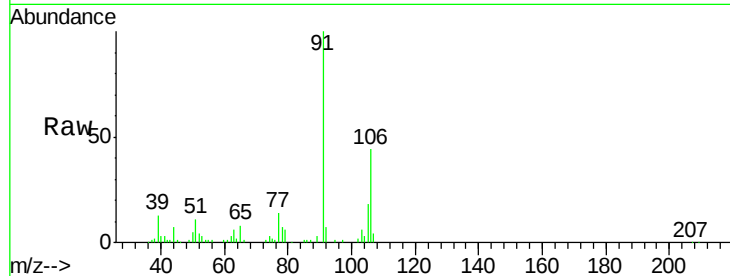




#70
o-Xylene
Concen: 1.56 ug/l
RT: 12.06 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN027273.D
Acq: 18 Sep 2015 00:24

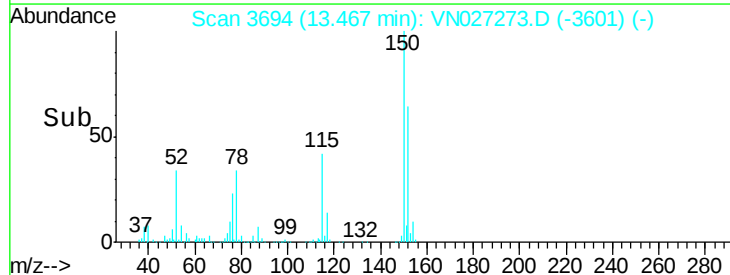
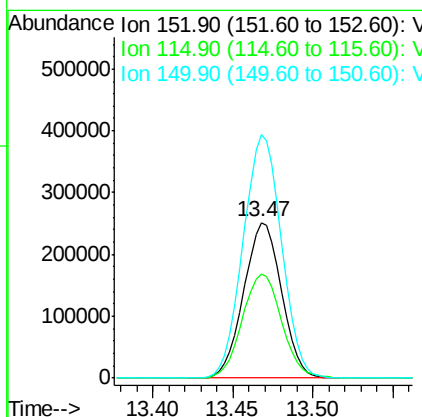
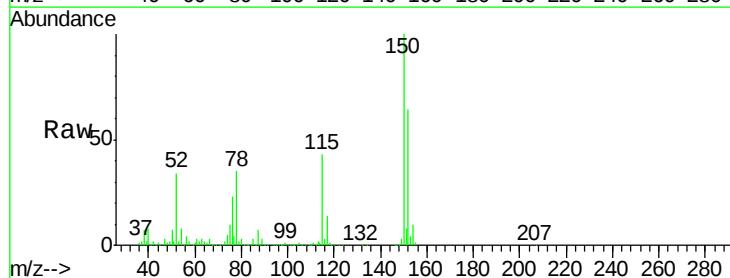
Instrument :
MSVOA_N
ClientSampled :
MW-1R-11DL

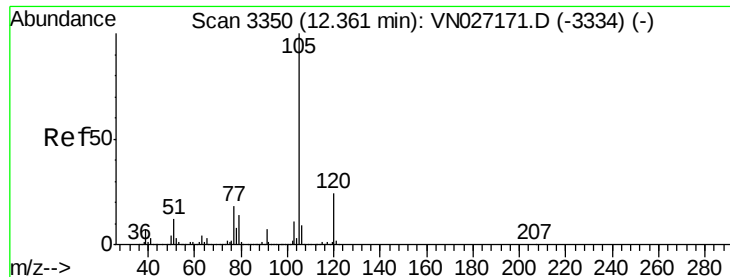
Tgt Ion:106 Resp: 26915
Ion Ratio Lower Upper
106 100
91 223.0 110.7 331.9



#73
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.47 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VN027273.D
Acq: 18 Sep 2015 00:24

Tgt Ion:152 Resp: 406996
Ion Ratio Lower Upper
152 100
115 69.6 30.8 92.3
150 158.9 0.0 345.0





#74

Isopropylbenzene

Concen: 5.31 ug/l

RT: 12.36 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VN027273.D

Acq: 18 Sep 2015 00:24

Instrument :

MSVOA_N

ClientSampleId :

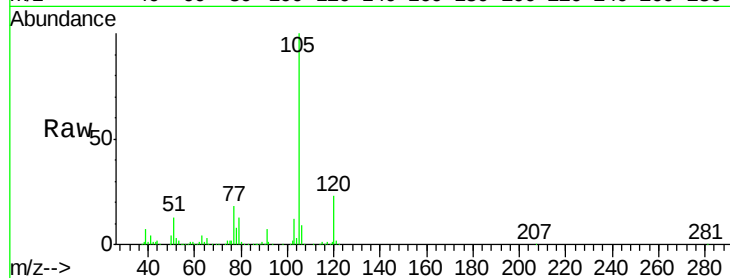
MW-1R-11DL

Tgt Ion:105 Resp: 238244

Ion Ratio Lower Upper

105 100

120 23.2 12.4 37.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

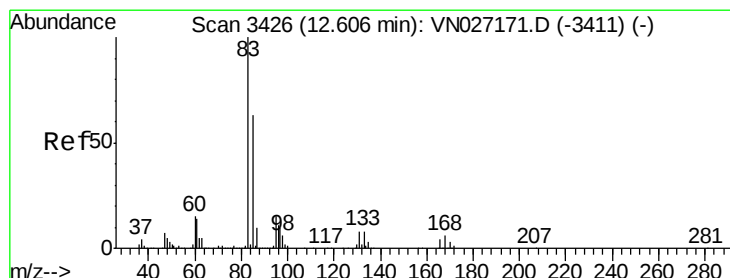
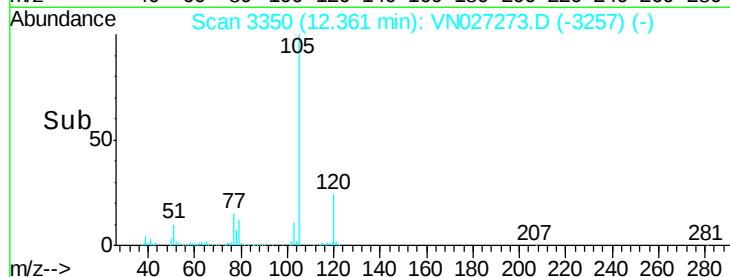
100000

50000

0

12.30 12.35 12.40 12.45

Time-->



#76

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.62 min Scan# 3429

Delta R.T. 0.01 min

Lab File: VN027273.D

Acq: 18 Sep 2015 00:24

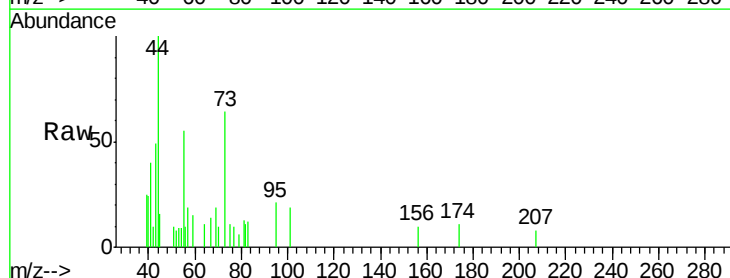
Tgt Ion: 83 Resp: 202

Ion Ratio Lower Upper

83 100

131 0.0 4.1 12.3#

85 0.0 31.9 95.7#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VNO

400

300

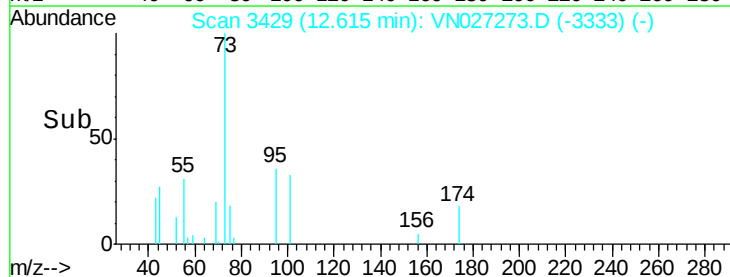
200

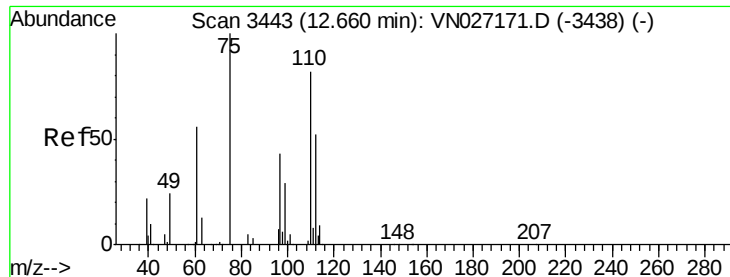
100

0

12.60 12.61 12.62 12.63

Time-->





#77

1,2,3-Trichloropropane

Concen: 30.74 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. -0.14 min

Lab File: VN027273.D

Acq: 18 Sep 2015 00:24

Instrument :

MSVOA_N

ClientSampled :

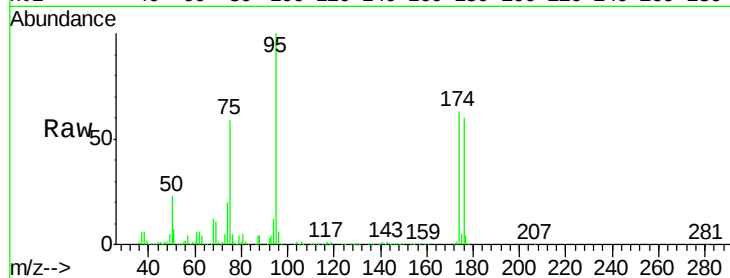
MW-1R-11DL

Tgt Ion: 75 Resp: 378093

Ion Ratio Lower Upper

75 100

77 1.3 103.1 309.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

250000

200000

150000

100000

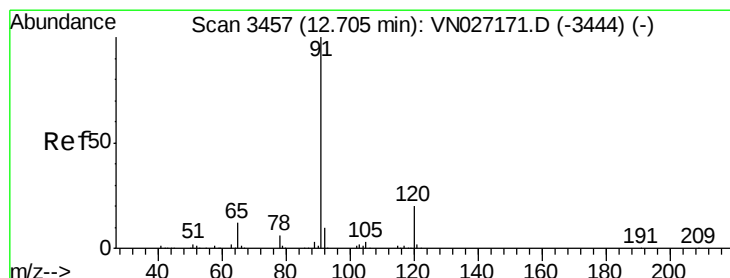
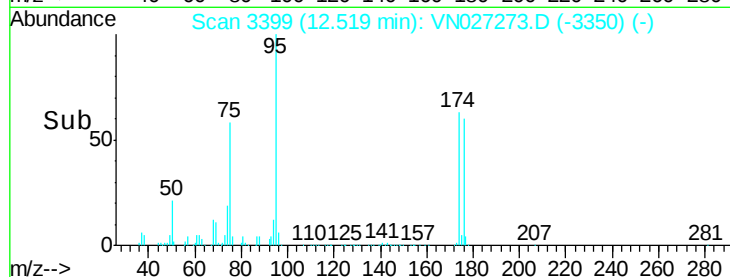
50000

0

12.52

12.50 12.60

Time-->



#79

n-propylbenzene

Concen: 8.71 ug/l

RT: 12.71 min Scan# 3457

Delta R.T. 0.00 min

Lab File: VN027273.D

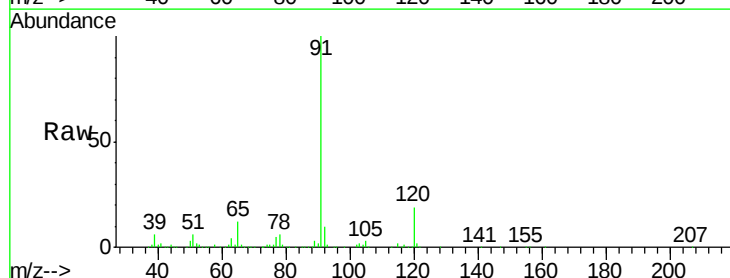
Acq: 18 Sep 2015 00:24

Tgt Ion: 91 Resp: 459669

Ion Ratio Lower Upper

91 100

120 19.4 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

300000

200000

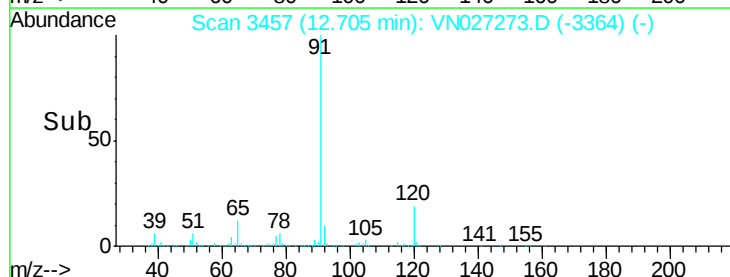
100000

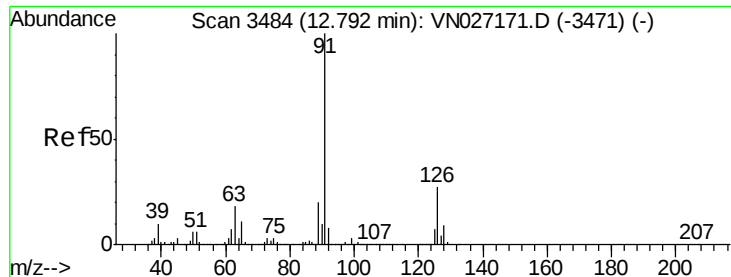
0

12.71

12.65 12.75

Time-->





#80

2-Chlorotoluene

Concen: 0.56 ug/l

RT: 12.85 min Scan# 3502

Delta R.T. 0.06 min

Lab File: VN027273.D

Acq: 18 Sep 2015 00:24

Instrument :

MSVOA_N

ClientSampled :

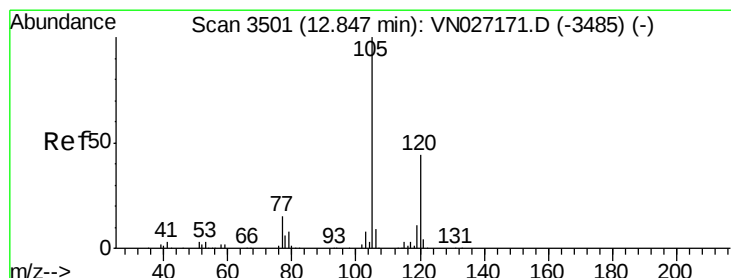
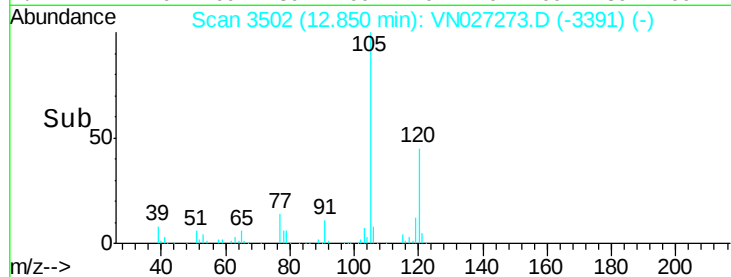
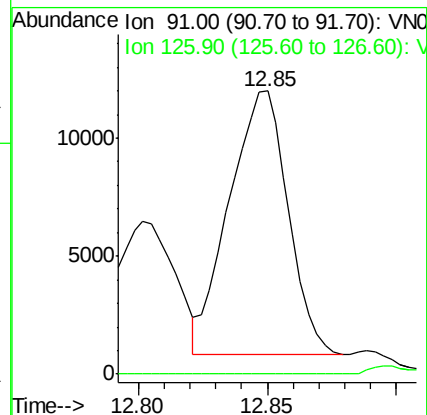
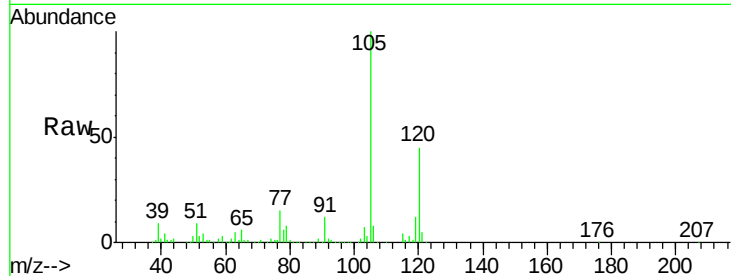
MW-1R-11DL

Tgt Ion: 91 Resp: 17654

Ion Ratio Lower Upper

91 100

126 0.0 15.2 45.5#



#81

1,3,5-Trimethylbenzene

Concen: 4.59 ug/l

RT: 12.85 min Scan# 3501

Delta R.T. 0.00 min

Lab File: VN027273.D

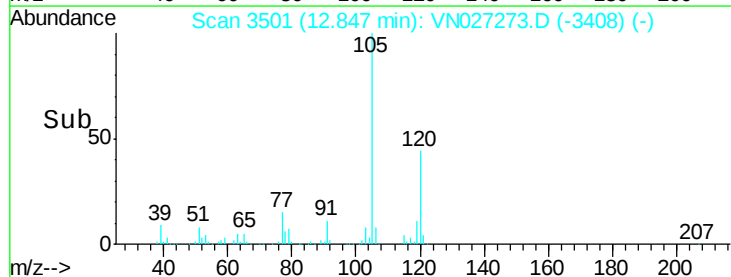
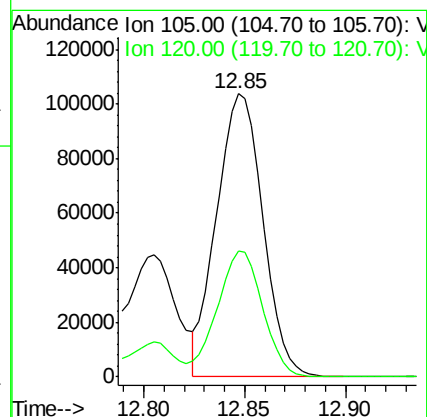
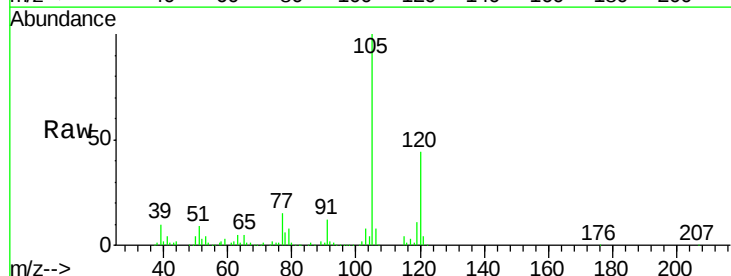
Acq: 18 Sep 2015 00:24

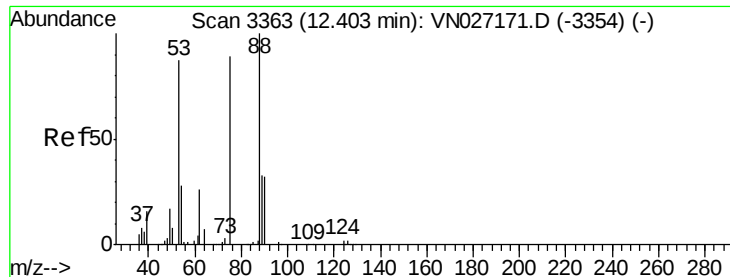
Tgt Ion: 105 Resp: 165211

Ion Ratio Lower Upper

105 100

120 43.9 23.4 70.0





#82

trans-1,4-Dichloro-2-butene

Concen: 75.50 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. 0.12 min

Lab File: VN027273.D

Acq: 18 Sep 2015 00:24

Instrument :

MSVOA_N

ClientSampleId :

MW-1R-11DL

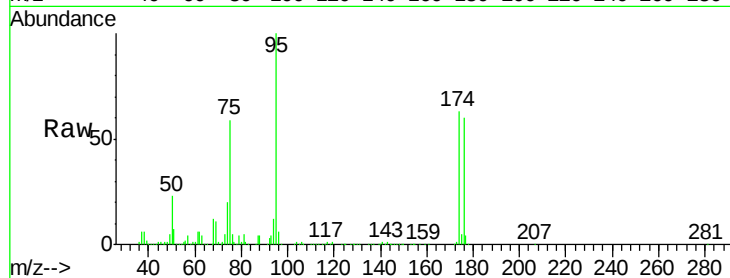
Tgt Ion: 75 Resp: 378093

Ion Ratio Lower Upper

75 100

53 0.2 92.9 139.3#

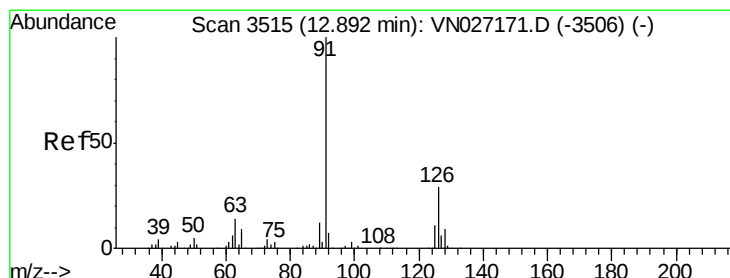
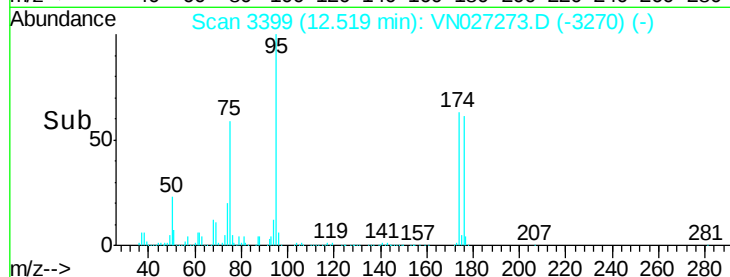
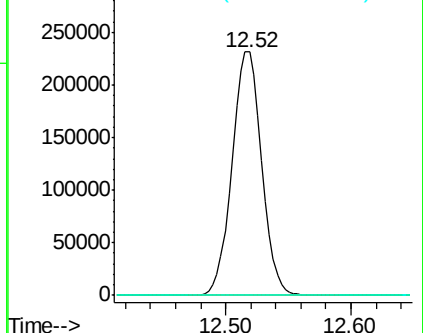
89 0.0 34.2 51.4#



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: 0.57 ug/l

RT: 12.85 min Scan# 3502

Delta R.T. -0.04 min

Lab File: VN027273.D

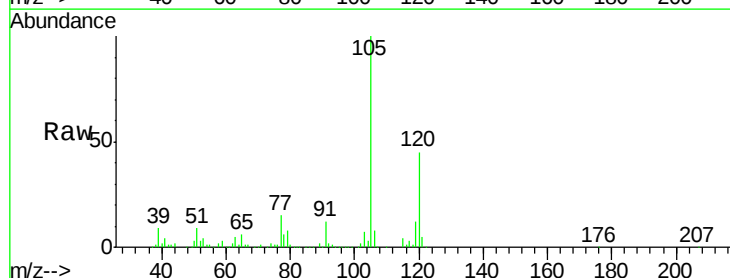
Acq: 18 Sep 2015 00:24

Tgt Ion: 91 Resp: 17654

Ion Ratio Lower Upper

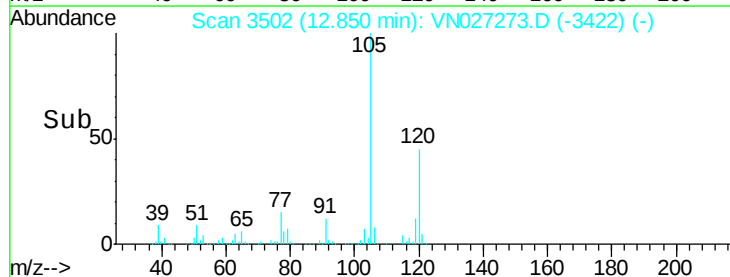
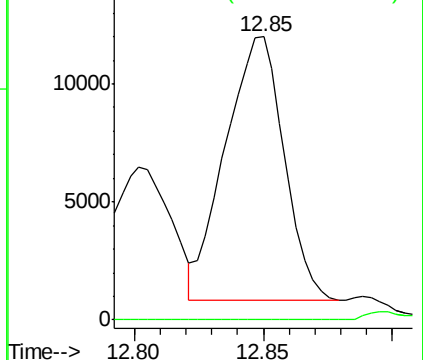
91 100

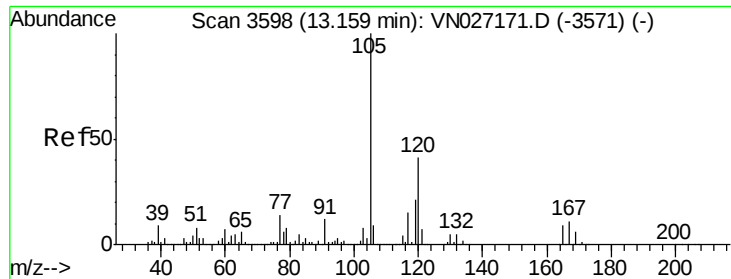
126 0.0 14.9 44.5#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

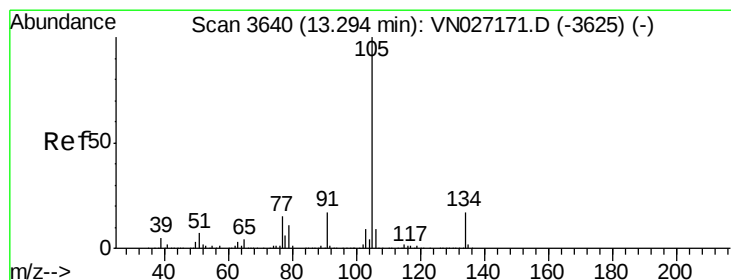
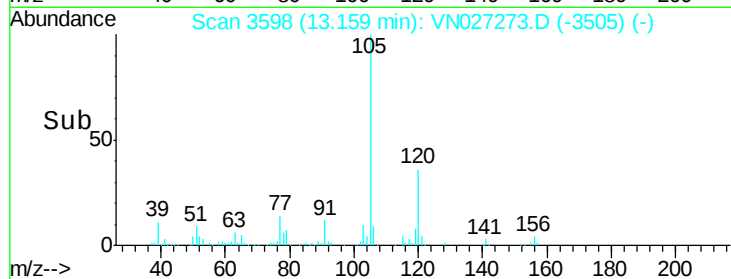
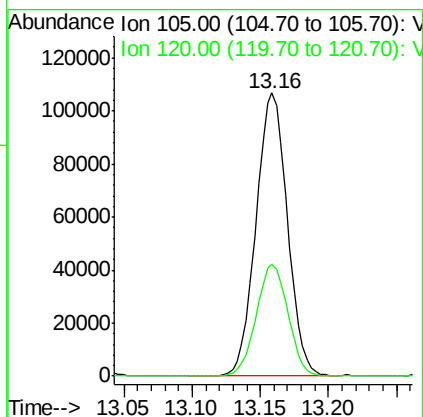
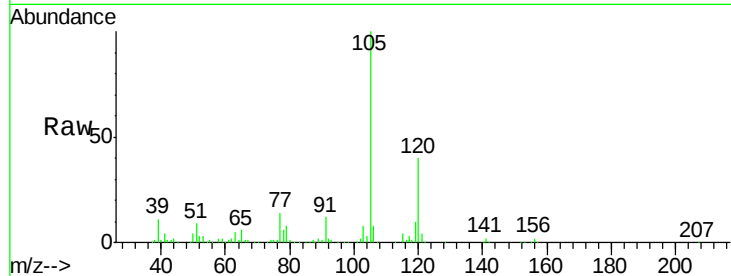




#85
 1,2,4-Trimethylbenzene
 Concen: 4.72 ug/l
 RT: 13.16 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN027273.D
 Acq: 18 Sep 2015 00:24

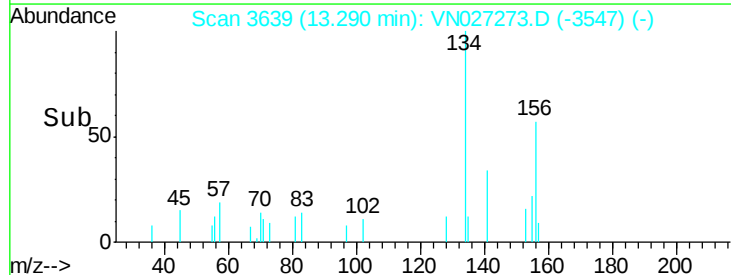
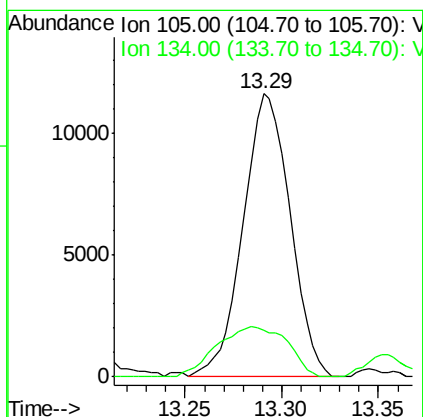
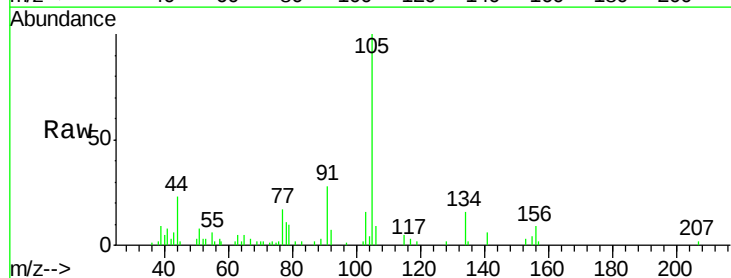
Instrument :
 MSVOA_N
 ClientSampled :
 MW-1R-11DL

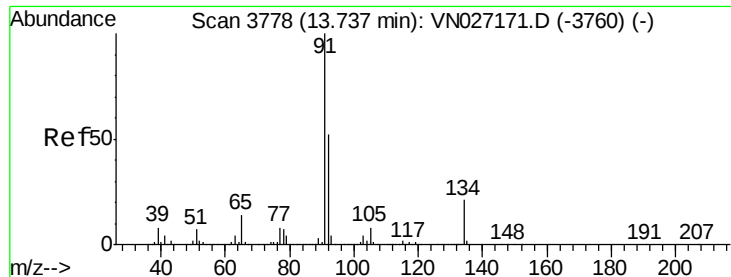
Tgt Ion:105 Resp: 170835
 Ion Ratio Lower Upper
 105 100
 120 39.9 21.9 65.5



#86
 sec-Butylbenzene
 Concen: 0.45 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN027273.D
 Acq: 18 Sep 2015 00:24

Tgt Ion:105 Resp: 19678
 Ion Ratio Lower Upper
 105 100
 134 26.5 8.8 26.4#





#90

n-Butylbenzene

Concen: 0.63 ug/l

RT: 13.74 min Scan# 3778

Delta R.T. 0.00 min

Lab File: VN027273.D

Acq: 18 Sep 2015 00:24

Instrument :

MSVOA_N

ClientSampleId :

MW-1R-11DL

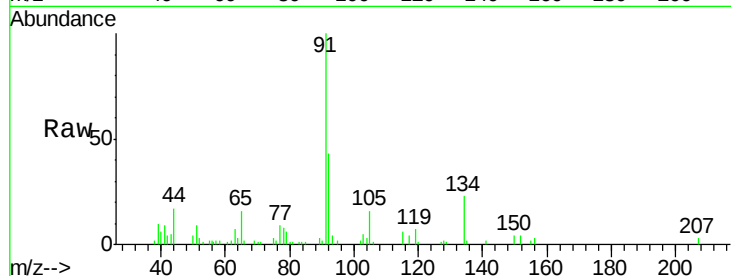
Tgt Ion: 91 Resp: 20665

Ion Ratio Lower Upper

91 100

92 50.6 26.1 78.2

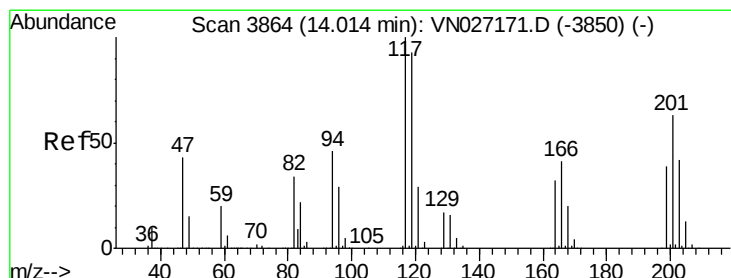
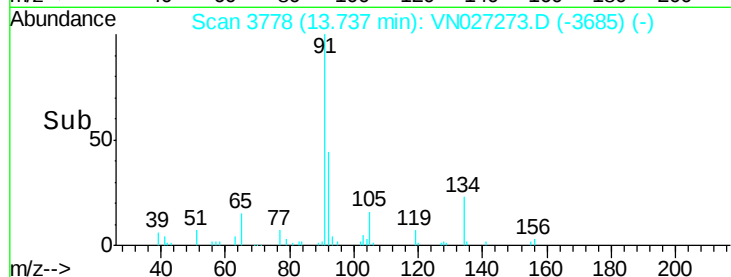
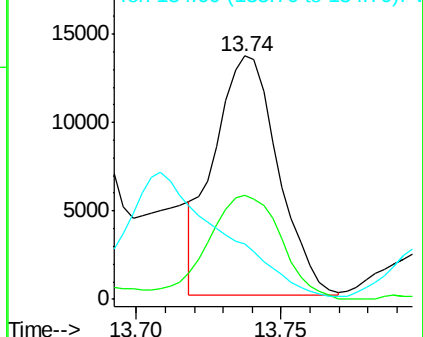
134 0.0 11.1 33.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V



#91

Hexachloroethane

Concen: 1.42 ug/l

RT: 14.01 min Scan# 3864

Delta R.T. 0.00 min

Lab File: VN027273.D

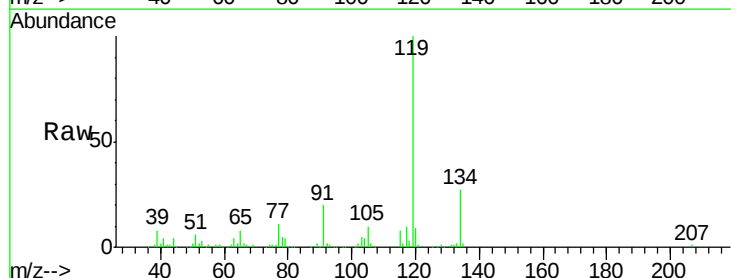
Acq: 18 Sep 2015 00:24

Tgt Ion: 117 Resp: 10418

Ion Ratio Lower Upper

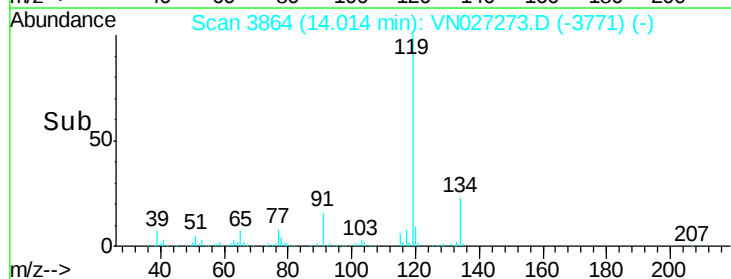
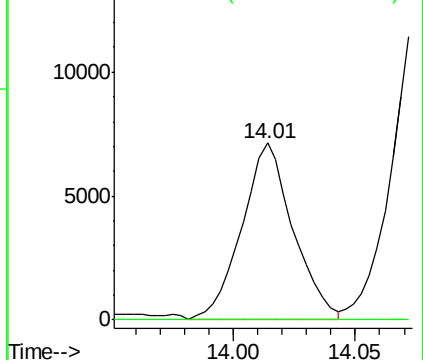
117 100

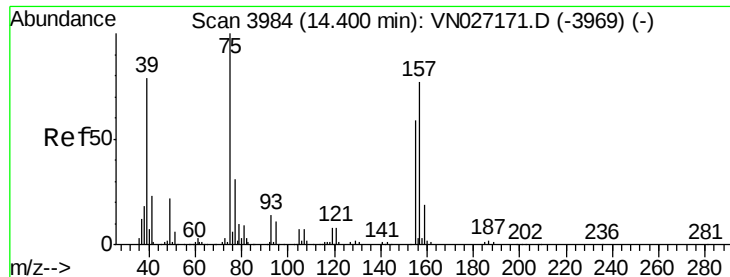
201 0.0 34.9 104.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#93

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.40 min Scan# 3984

Delta R.T. 0.00 min

Lab File: VN027273.D

Acq: 18 Sep 2015 00:24

Instrument :

MSVOA_N

ClientSampleId :

MW-1R-11DL

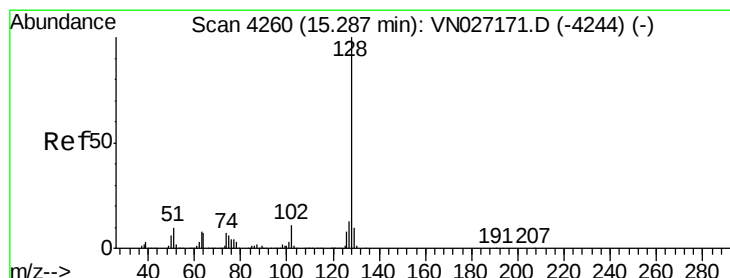
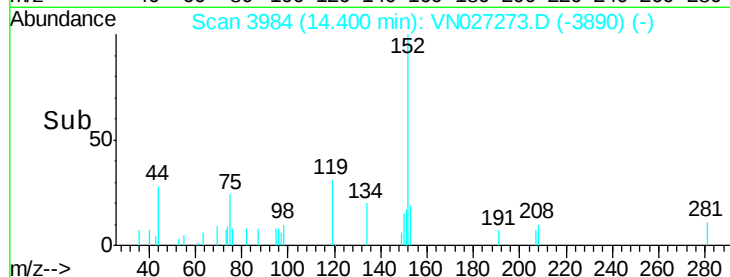
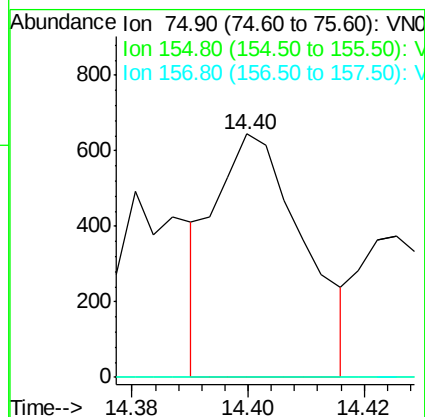
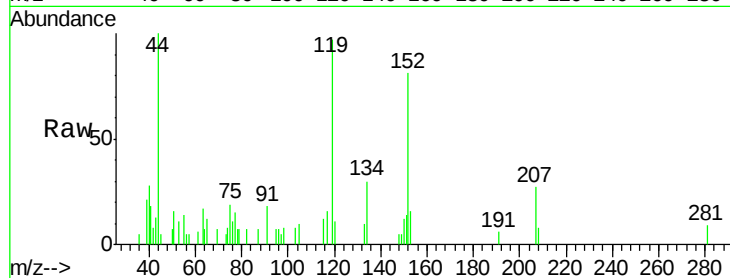
Tgt Ion: 75 Resp: 687

Ion Ratio Lower Upper

75 100

155 0.0 35.6 106.9#

157 0.0 44.6 133.8#



#96

Naphthalene

Concen: 14.25 ug/l

RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

Lab File: VN027273.D

Acq: 18 Sep 2015 00:24

Tgt Ion: 128 Resp: 335748

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 11.0 8.6 12.8

