

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080418\
 Data File : VN050366.D
 Acq On : 4 Aug 2018 14:57
 Operator : MD\SY
 Sample : J4328-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-03

Quant Time: Aug 06 01:37:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	632714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1000562	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	878039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	395558	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	432941	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
35) Dibromofluoromethane	7.59	113	385586	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
50) Toluene-d8	10.09	98	1404951	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	
62) 4-Bromofluorobenzene	12.40	95	430515	43.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.06%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	2955	0.30	ug/l	# 81
5) Bromomethane	2.57	94	2661	Below	Cal	# 88
11) Tert butyl alcohol	4.79	59	154	0.24	ug/l	# 72
13) Acrolein	3.63	56	176	0.34	ug/l	# 21
16) Acetone	3.82	43	35474	12.94	ug/l	# 99
17) Carbon Disulfide	4.05	76	11170	0.50	ug/l	# 94
18) Methyl Acetate	4.34	43	4781	Below	Cal	# 68
19) Methyl tert-butyl Ether	5.05	73	13767	0.71	ug/l	# 84
20) Methylene Chloride	4.54	84	929	Below	Cal	# 88
25) 2-Butanone	6.85	43	10173	3.02	ug/l	# 99
31) Cyclohexane	7.67	56	13067	1.01	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	44805	3.97	ug/l	# 48
37) Ethyl Acetate	6.85	43	10173	1.29	ug/l	# 70
38) Carbon Tetrachloride	7.67	117	56850	4.75	ug/l	# 17
39) Methylcyclohexane	9.09	83	3856	0.33	ug/l	# 96
41) Methacrylonitrile	7.39	41	32	2.76	ug/l	# 10
43) Isopropyl Acetate	8.25	43	33646	1.16	ug/l	# 62
51) 4-Methyl-2-Pentanone	9.99	43	12490	1.62	ug/l	# 89
52) Toluene	10.16	92	11585	0.57	ug/l	# 97
55) 1,1,2-Trichloroethane	10.53	97	2043	0.25	ug/l	# 24
56) Ethyl methacrylate	10.44	69	1104	2.13	ug/l	# 55
59) 2-Hexanone	10.75	43	535	5.27	ug/l	# 68
65) Chlorobenzene	11.44	112	83189	3.75	ug/l	# 99
70) Styrene	11.96	104	66	0.93	ug/l	# 57
73) Isopropylbenzene	12.25	105	6918	0.23	ug/l	# 94
75) 1,1,2,2-Tetrachloroethane	12.53	83	137	Below	Cal	# 25
76) 1,2,3-Trichloropropane	12.40	75	206963	28.15	ug/l	# 100
78) n-propylbenzene	12.59	91	14157	0.41	ug/l	# 98
81) trans-1,4-Dichloro-2-buten	12.40	75	206963	89.30	ug/l	# 13
85) sec-Butylbenzene	13.17	105	22783	0.81	ug/l	# 88
86) p-Isopropyltoluene	13.29	119	6286	0.27	ug/l	# 98
88) 1,4-Dichlorobenzene	13.36	146	6055	0.43	ug/l	# 31
89) n-Butylbenzene	13.62	91	12758	0.65	ug/l	# 73
90) Hexachloroethane	13.89	117	12161	2.31	ug/l	# 4

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QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

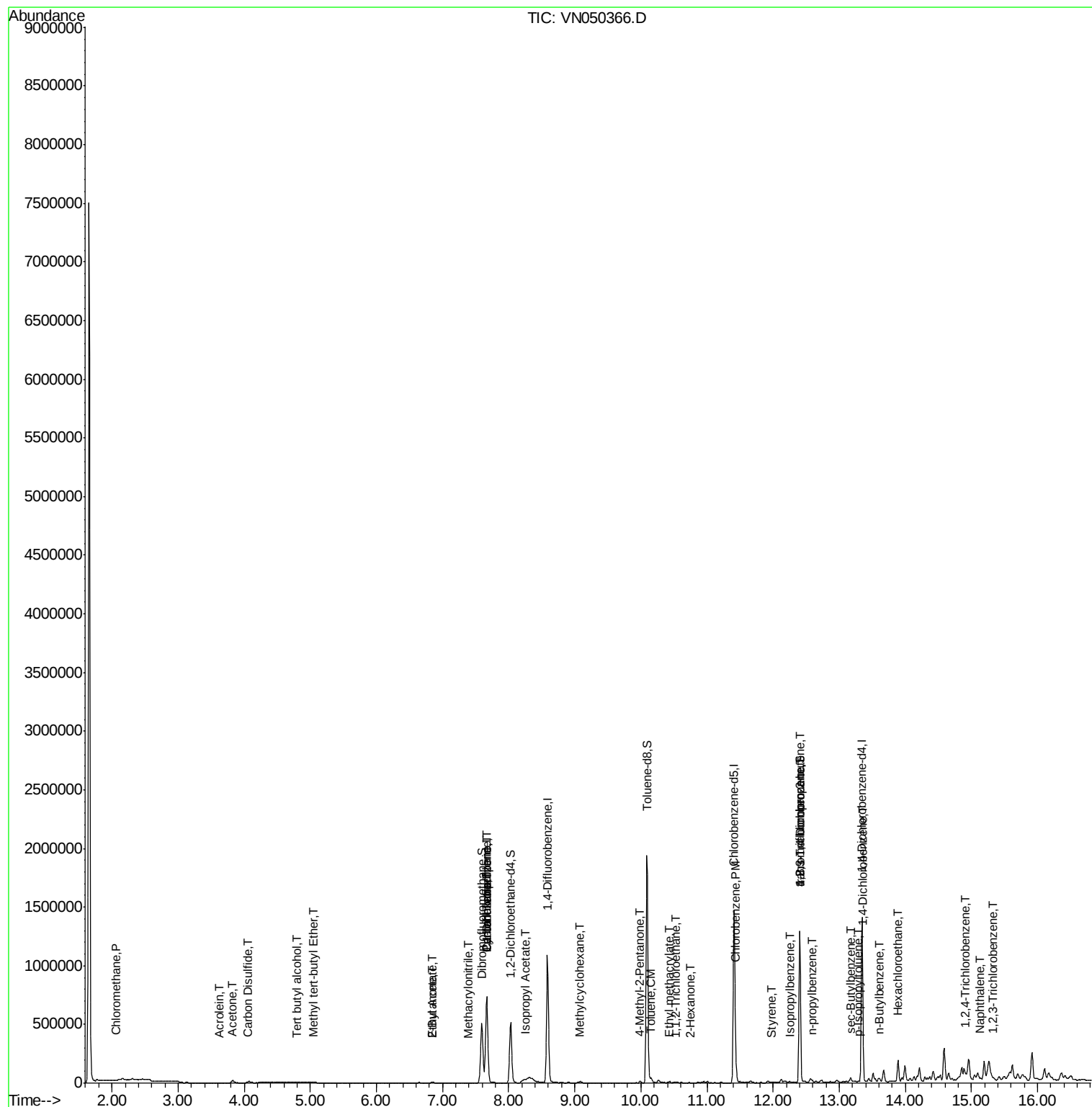
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	14.29	75	124	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	323	3.13	ug/l #	1
95) Naphthalene	15.14	128	7778	4.81	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.33	180	74	2.22	ug/l #	12

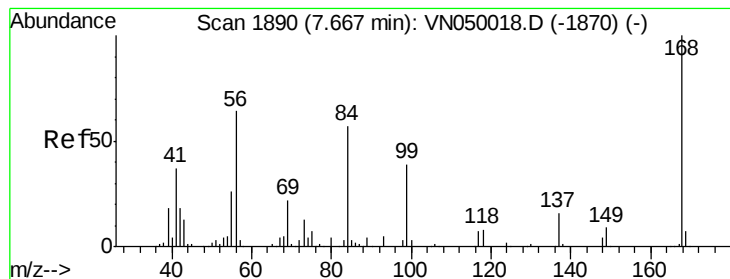
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050366.D

Acq: 4 Aug 2018 14:57

Instrument :

MSVOA_N

ClientSampleId :

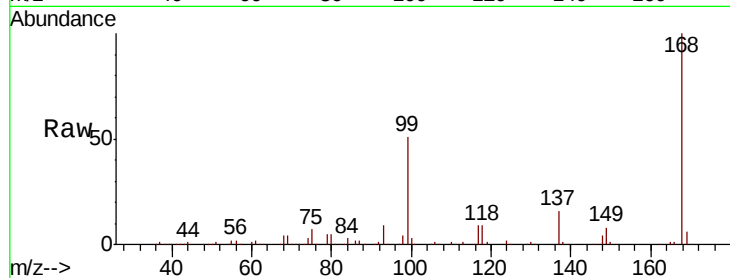
MW-03

Tot Ion:168 Resp: 632714

Ion Ratio Lower Upper

168 100

99 50.8 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

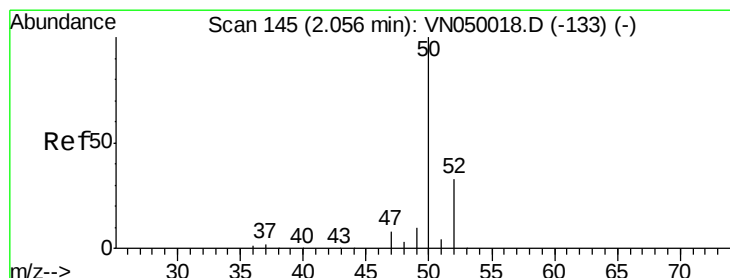
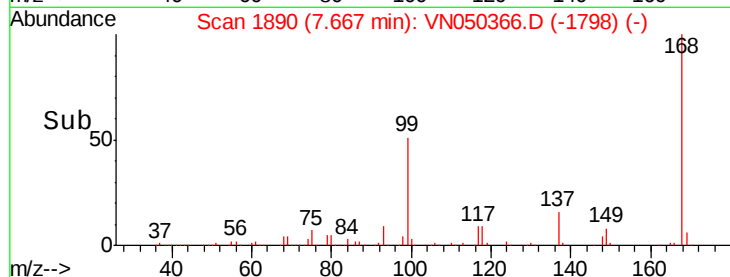
100000

50000

0

Time-->

7.60 7.70 7.80



#3

Chloromethane

Concen: 0.30 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050366.D

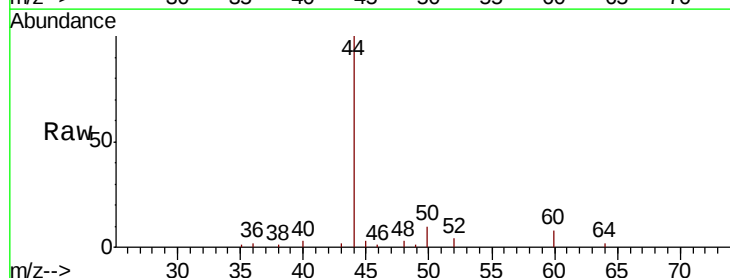
Acq: 4 Aug 2018 14:57

Tgt Ion: 50 Resp: 2955

Ion Ratio Lower Upper

50 100

52 42.9 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2000

1500

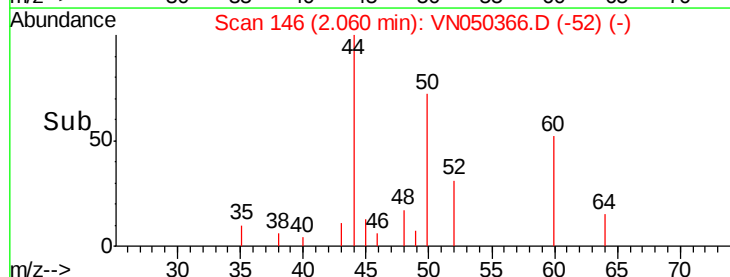
1000

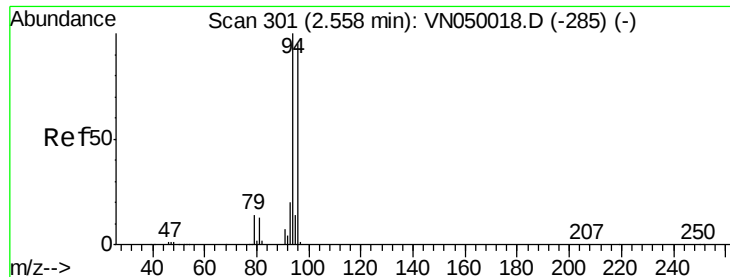
500

0

Time-->

2.05 2.10





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.02 min

Lab File: VN050366.D

Acq: 4 Aug 2018 14:57

Instrument :

MSVOA_N

ClientSampled :

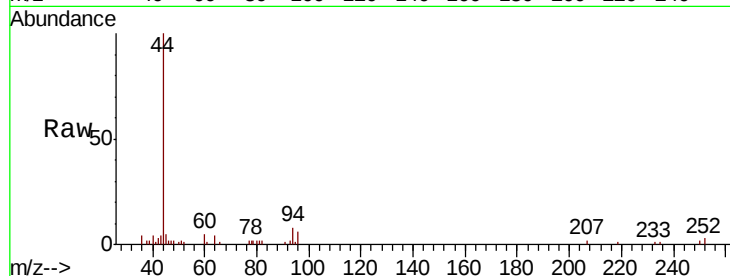
MW-03

Tot Ion: 94 Resp: 2661

Ion Ratio Lower Upper

94 100

96 81.7 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

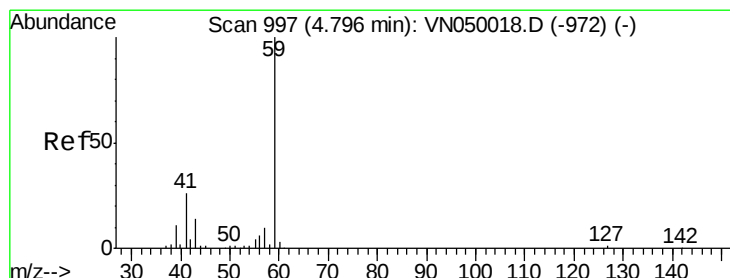
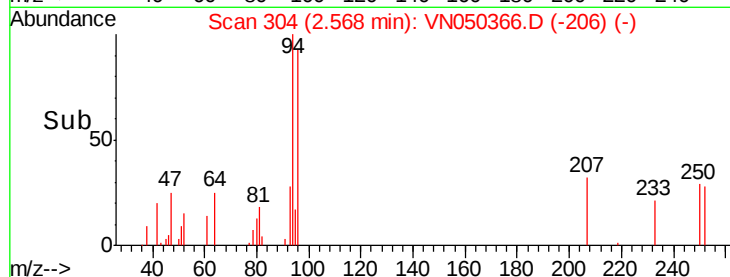
1500

1000

500

0

Time-->



#11

Tert butyl alcohol

Concen: 0.24 ug/l

RT: 4.79 min Scan# 996

Delta R.T. -0.01 min

Lab File: VN050366.D

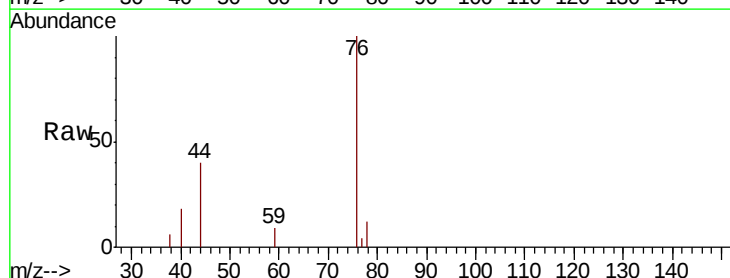
Acq: 4 Aug 2018 14:57

Tgt Ion: 59 Resp: 154

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.79

400

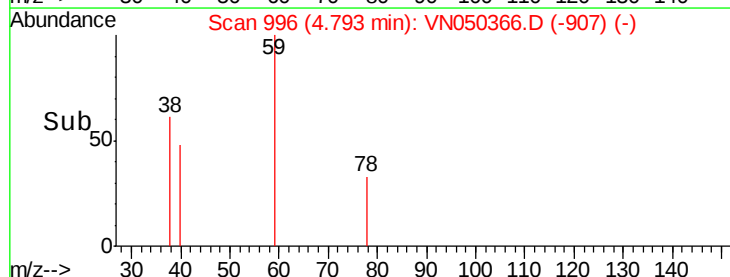
300

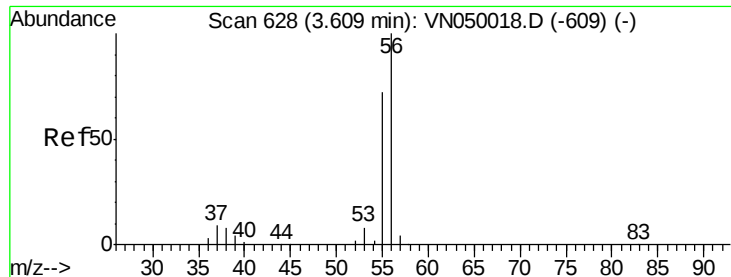
200

100

0

Time-->





#13

Acrolein

Concen: 0.34 ug/l

RT: 3.63 min Scan# 633

Delta R.T. 0.02 min

Lab File: VN050366.D

Acq: 4 Aug 2018 14:57

Instrument :

MSVOA_N

ClientSampleId :

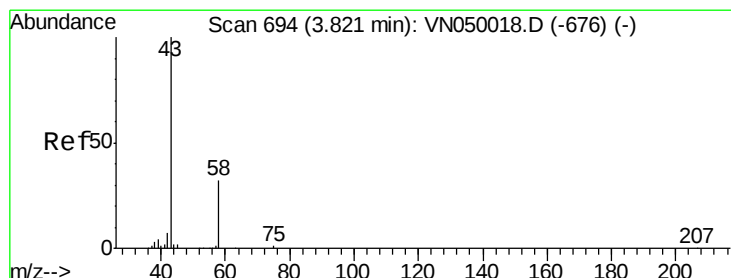
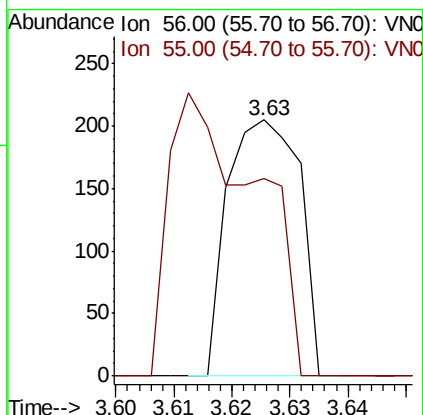
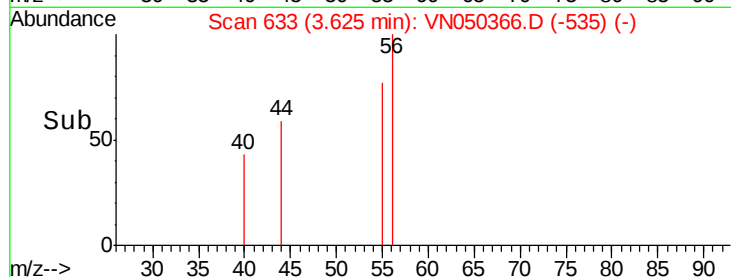
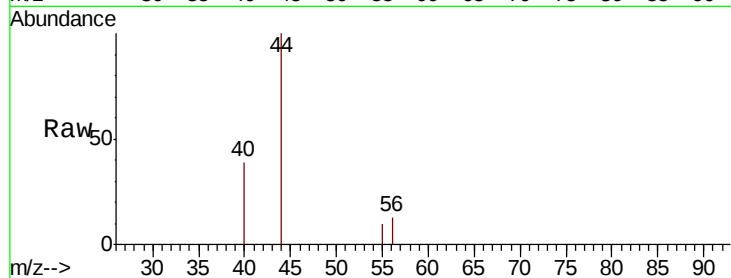
MW-03

Tot Ion: 56 Resp: 176

Ion Ratio Lower Upper

56 100

55 134.1 55.8 83.6#



#16

Acetone

Concen: 12.94 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050366.D

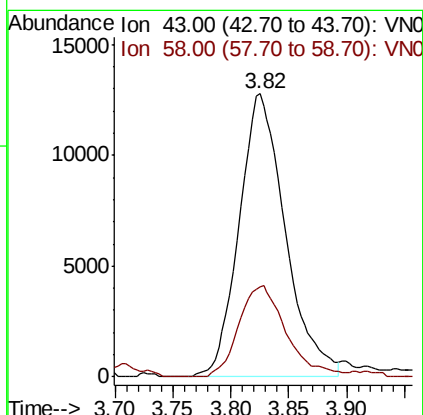
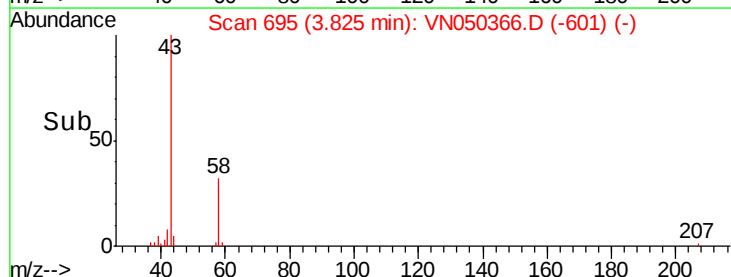
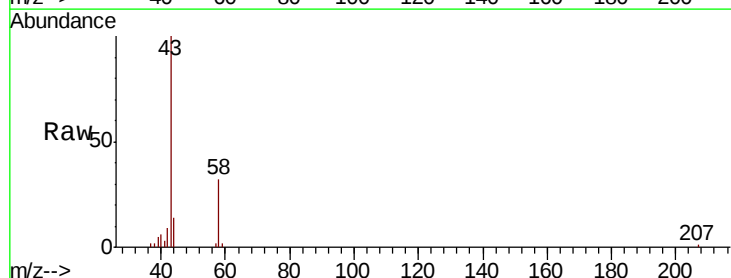
Acq: 4 Aug 2018 14:57

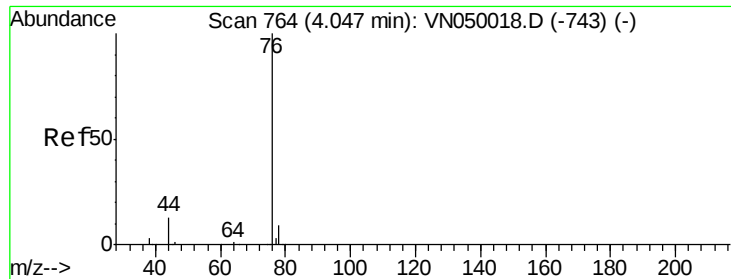
Tgt Ion: 43 Resp: 35474

Ion Ratio Lower Upper

43 100

58 32.0 25.8 38.8

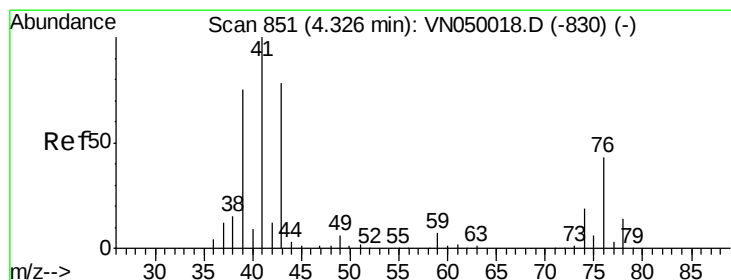
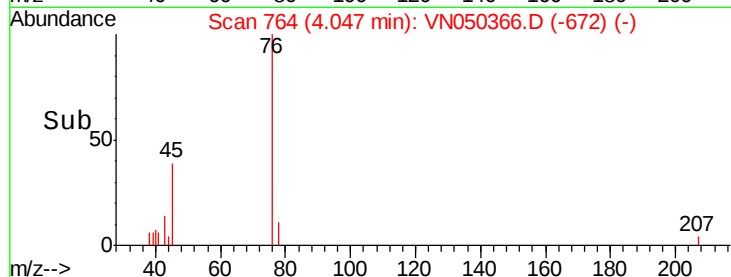
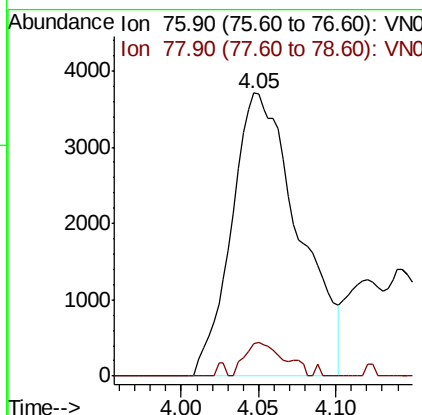
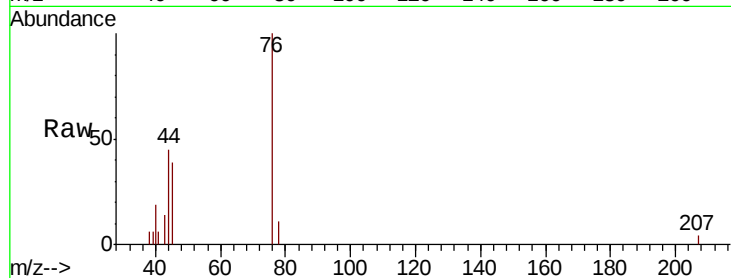




#17
Carbon Disulfide
Concen: 0.50 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN050366.D
Acq: 4 Aug 2018 14:57

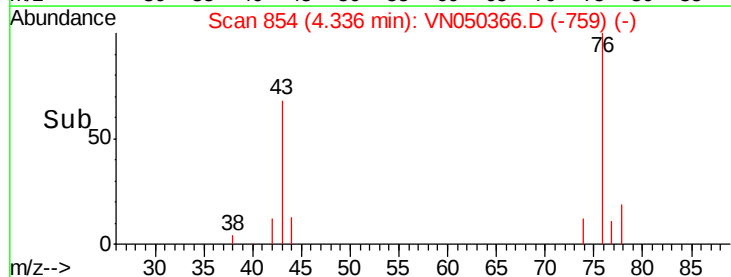
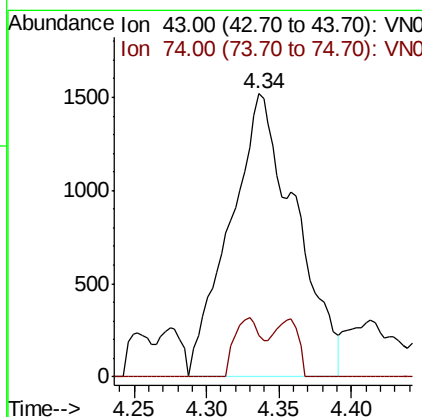
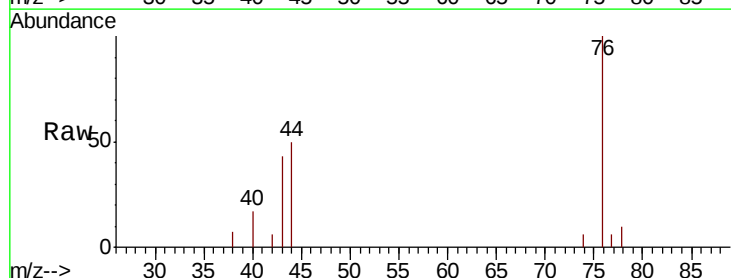
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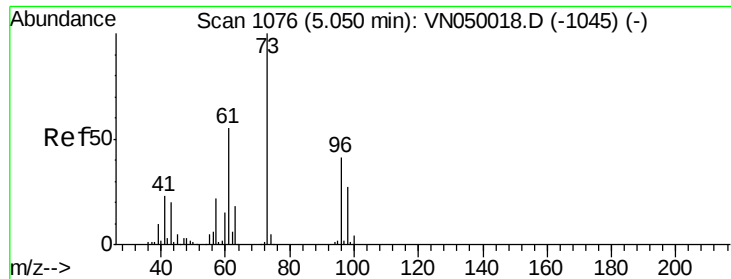
Tot Ion: 76 Resp: 11170
Ion Ratio Lower Upper
76 100
78 11.3 7.3 10.9#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN050366.D
Acq: 4 Aug 2018 14:57

Tgt Ion: 43 Resp: 4781
Ion Ratio Lower Upper
43 100
74 8.1 19.2 28.8#

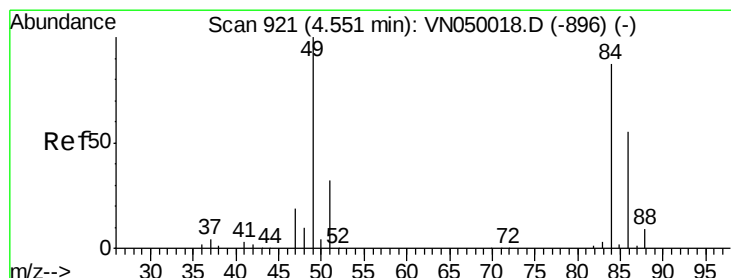
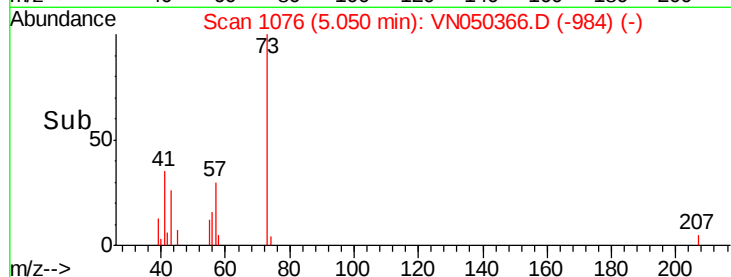
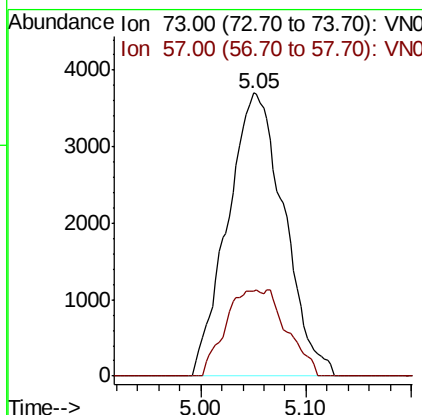
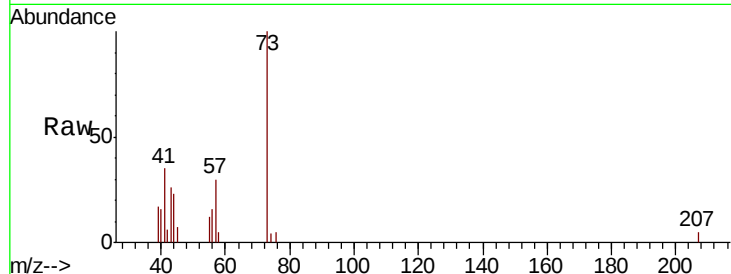




#19
Methyl tert-butyl Ether
Concen: 0.71 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050366.D
Acq: 4 Aug 2018 14:57

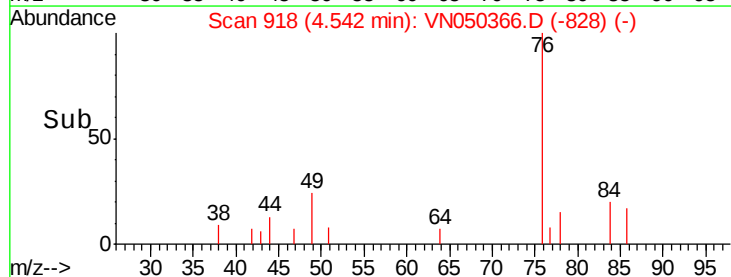
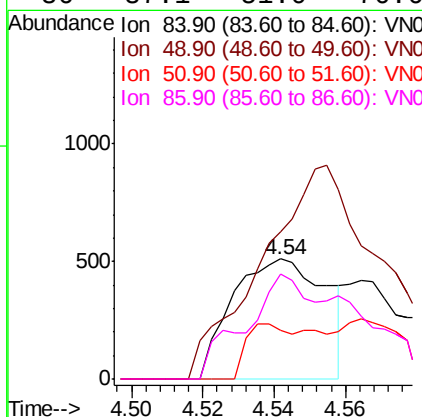
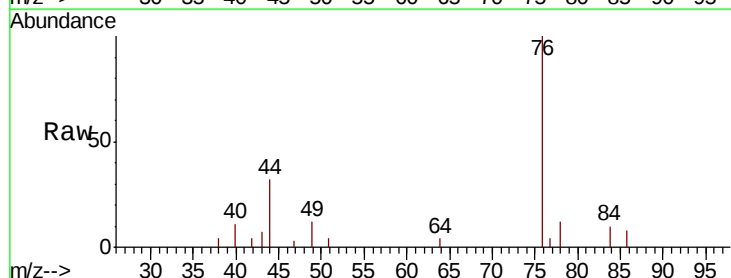
Instrument :
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MW-03

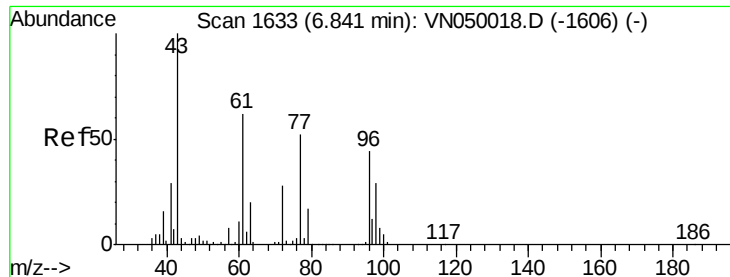
Tot Ion: 73 Resp: 13767
Ion Ratio Lower Upper
73 100
57 30.0 18.0 27.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.54 min Scan# 918
Delta R.T. -0.01 min
Lab File: VN050366.D
Acq: 4 Aug 2018 14:57

Tgt Ion: 84 Resp: 929
Ion Ratio Lower Upper
84 100
49 122.3 94.8 142.2
51 40.0 28.3 42.5
86 87.1 51.0 76.6#





#25

2-Butanone

Concen: 3.02 ug/l

RT: 6.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VN050366.D

Acq: 4 Aug 2018 14:57

Instrument :

MSVOA_N

ClientSampleId :

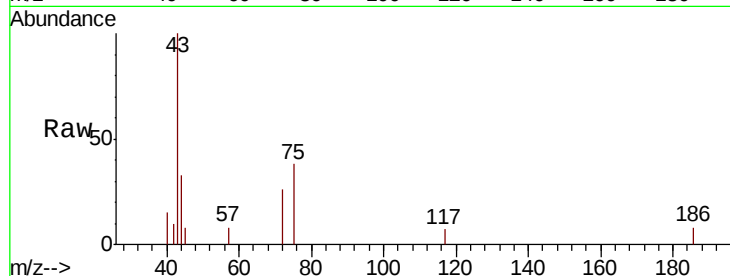
MW-03

Tot Ion: 43 Resp: 10173

Ion Ratio Lower Upper

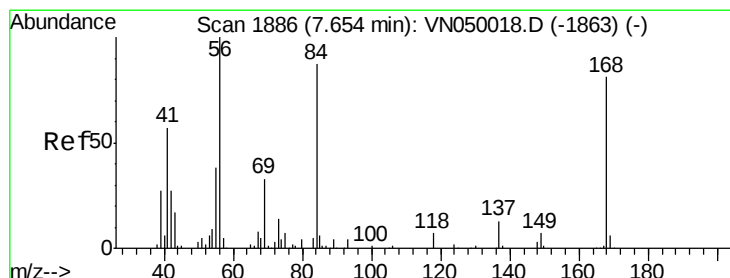
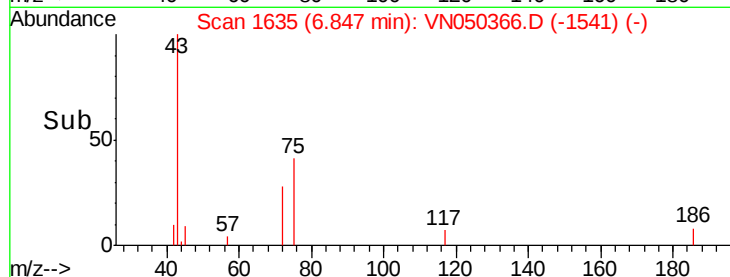
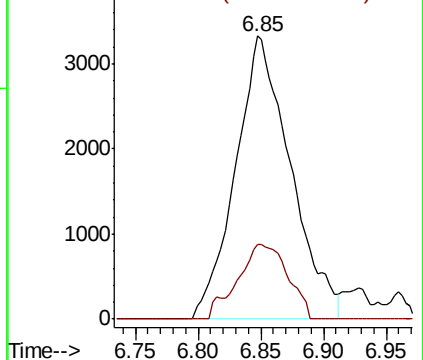
43 100

72 26.5 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: 1.01 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VN050366.D

Acq: 4 Aug 2018 14:57

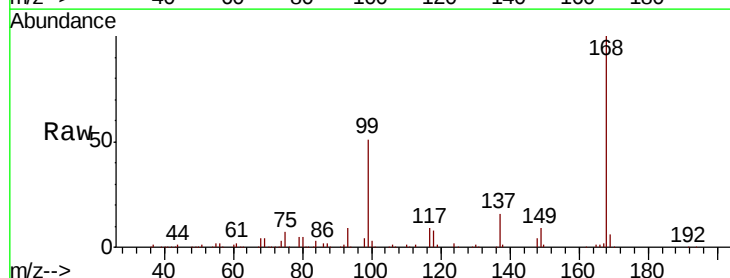
Tgt Ion: 56 Resp: 13067

Ion Ratio Lower Upper

56 100

69 176.1 26.2 39.4#

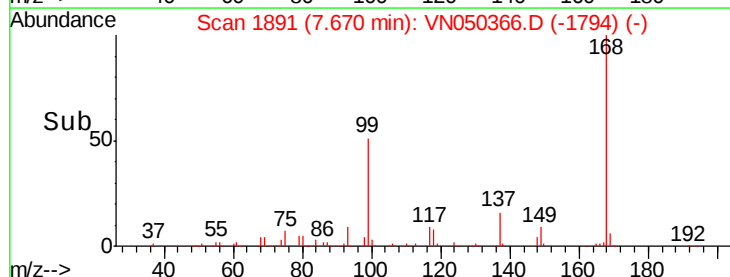
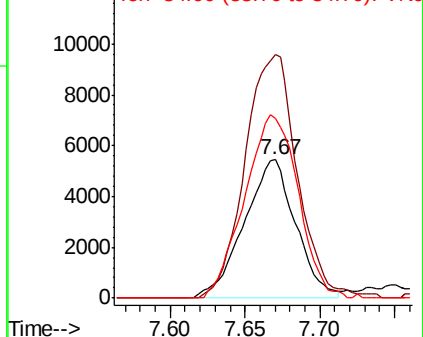
84 129.8 67.4 101.0#

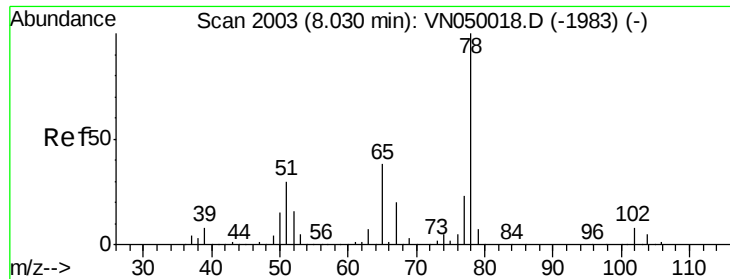


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 49.04 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050366.D

Acq: 4 Aug 2018 14:57

Instrument :

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ClientSampleId :

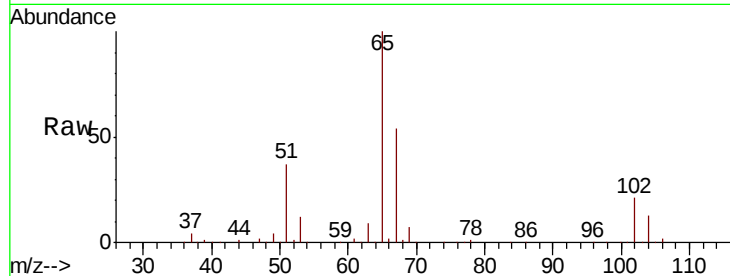
MW-03

Tot Ion: 65 Resp: 432941

Ion Ratio Lower Upper

65 100

67 54.4 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

200000

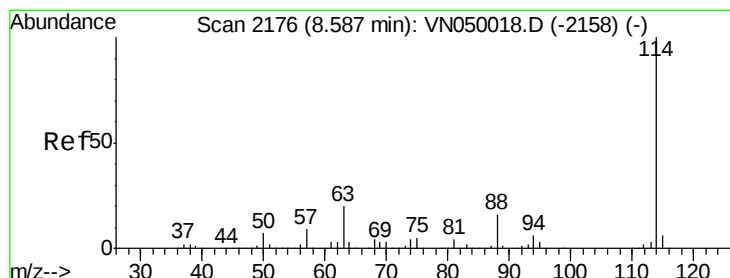
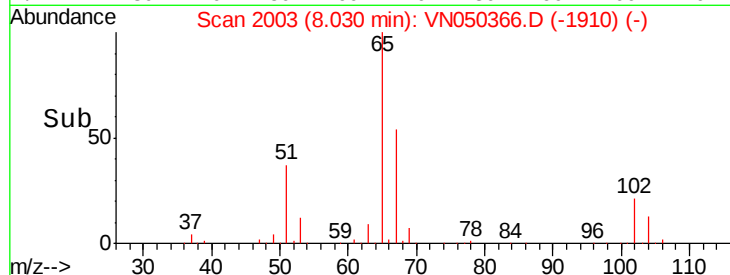
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050366.D

Acq: 4 Aug 2018 14:57

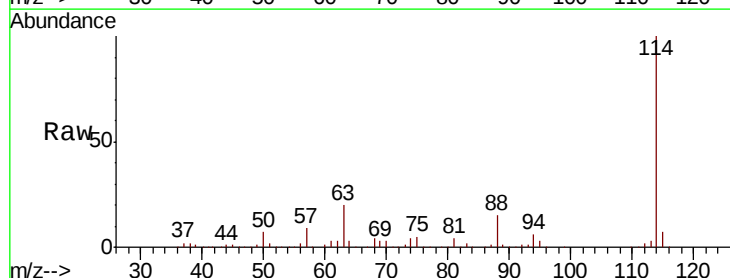
Tgt Ion:114 Resp: 1000562

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

88 15.2 0.0 31.2



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

600000

500000

400000

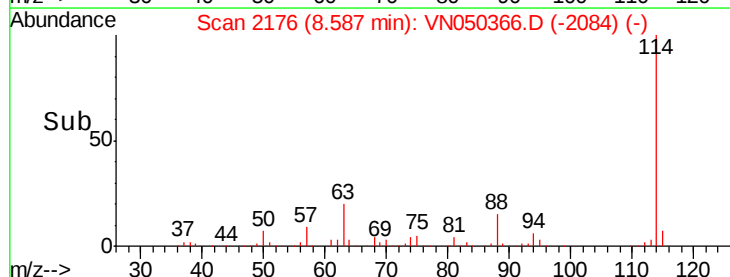
300000

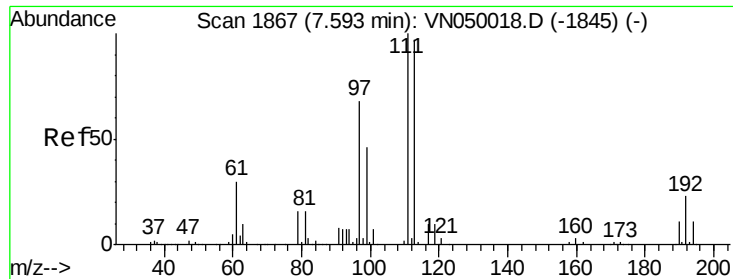
200000

100000

0

Time-->

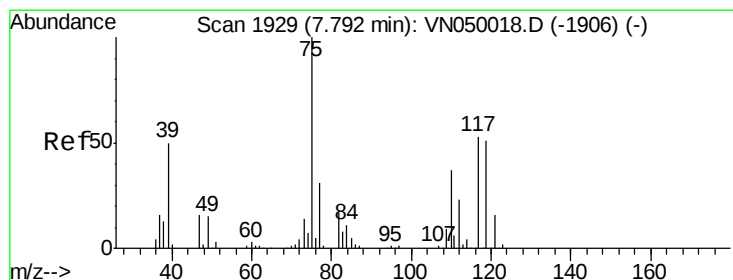
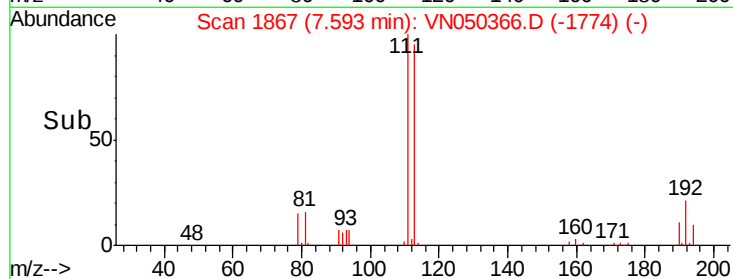
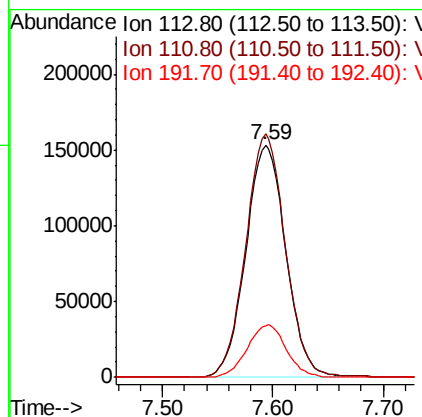
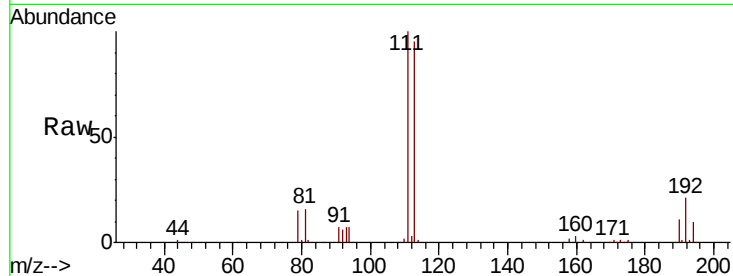




#35
 Dibromofluoromethane
 Concen: 47.20 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050366.D
 Acq: 4 Aug 2018 14:57

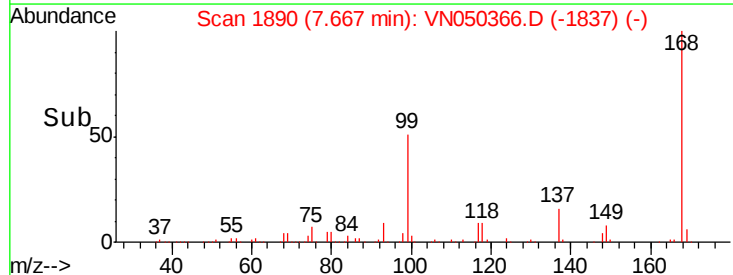
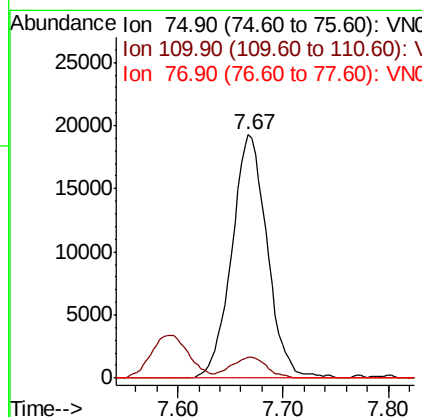
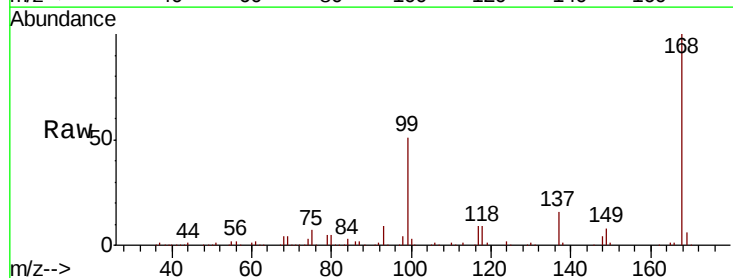
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-03

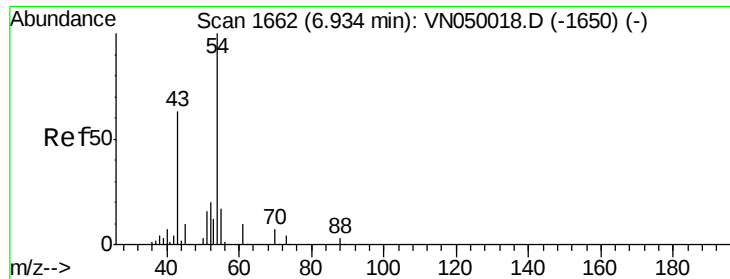
Tot Ion:113 Resp: 385586
 Ion Ratio Lower Upper
 113 100
 111 104.3 80.7 121.1
 192 22.2 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.97 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050366.D
 Acq: 4 Aug 2018 14:57

Tgt Ion: 75 Resp: 44805
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.4 55.2#
 77 0.0 25.3 37.9#

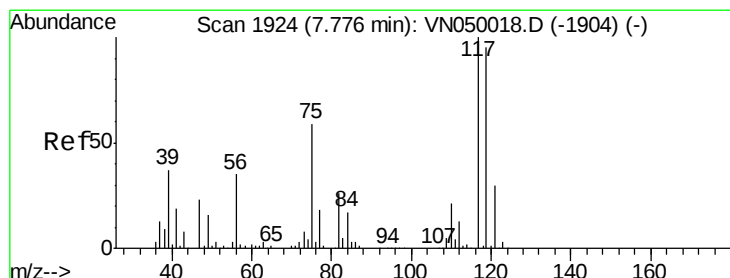
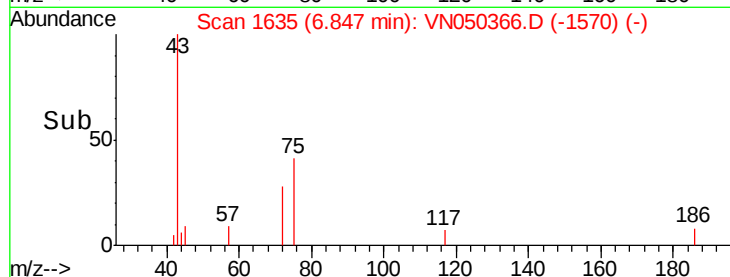
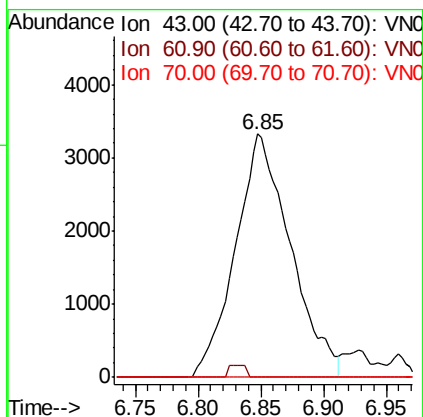
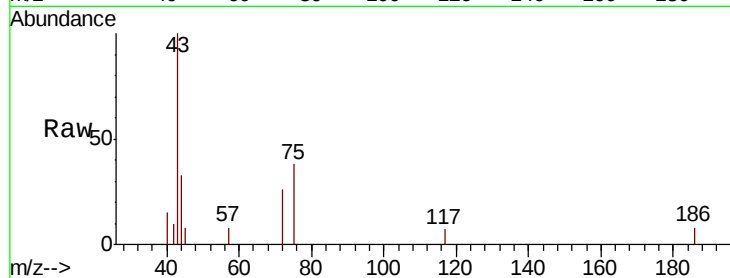




#37
Ethyl Acetate
Concen: 1.29 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. -0.09 min
Lab File: VN050366.D
Acq: 4 Aug 2018 14:57

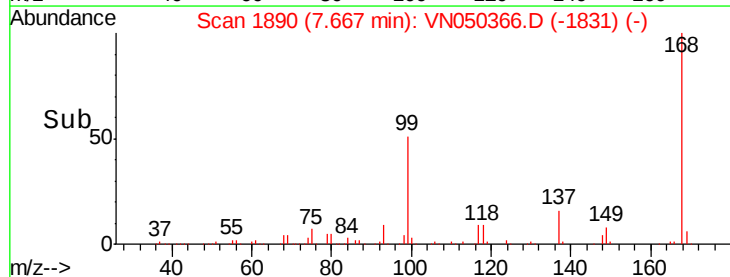
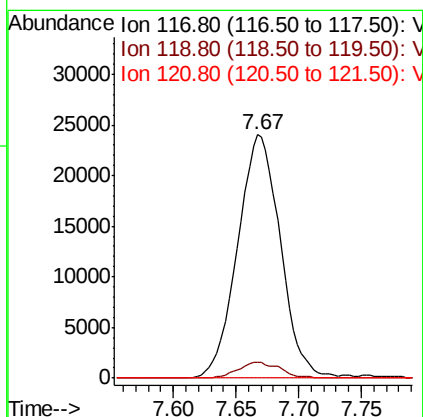
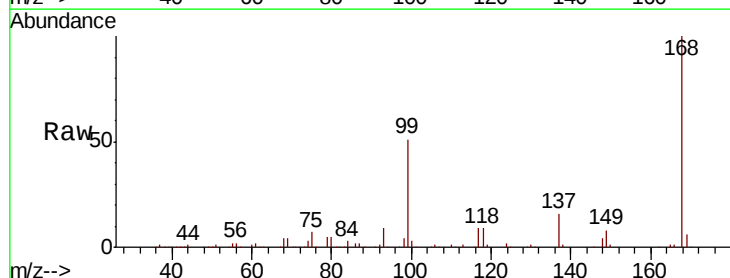
Instrument :
MSVOA_N
ClientSampleId :
MW-03

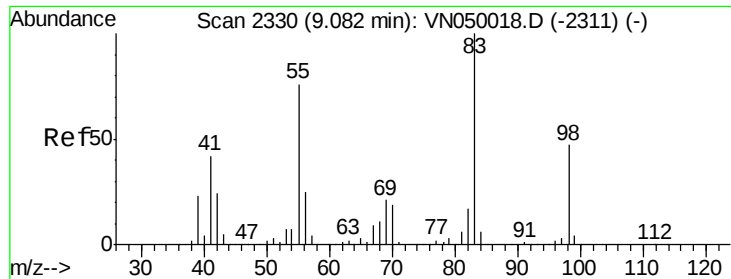
Tot Ion: 43 Resp: 10173
Ion Ratio Lower Upper
43 100
61 1.5 11.8 17.8#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 4.75 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050366.D
Acq: 4 Aug 2018 14:57

Tgt Ion: 117 Resp: 56850
Ion Ratio Lower Upper
117 100
119 6.6 77.4 116.0#
121 0.0 23.9 35.9#

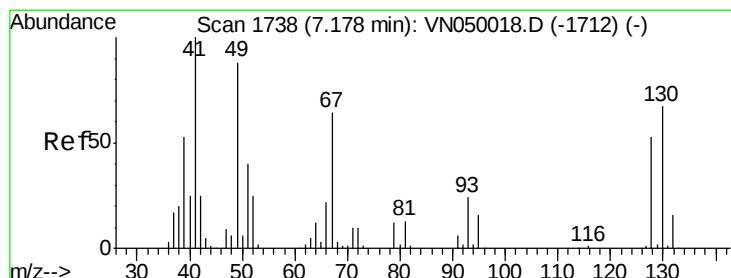
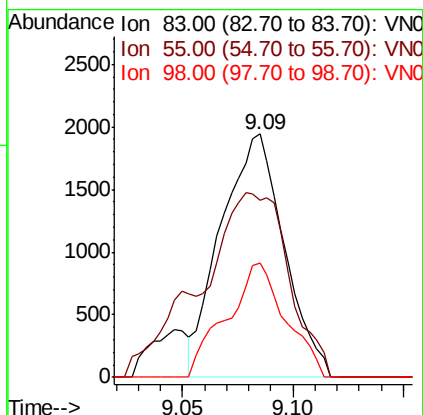
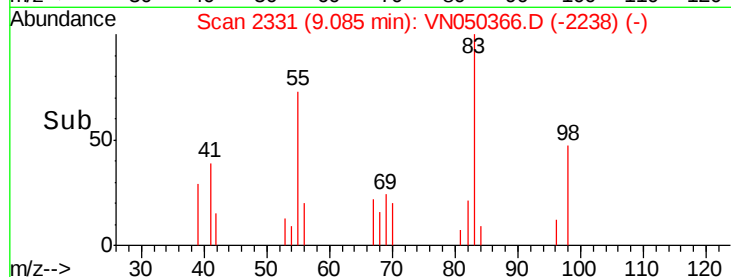
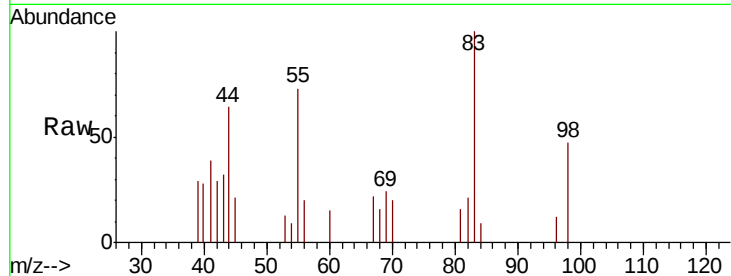




#39
Methylcyclohexane
Concen: 0.33 ug/l
RT: 9.09 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN050366.D
Acq: 4 Aug 2018 14:57

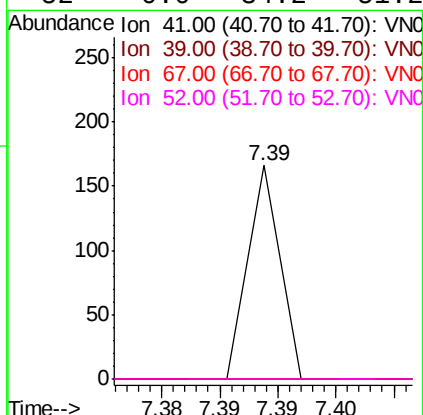
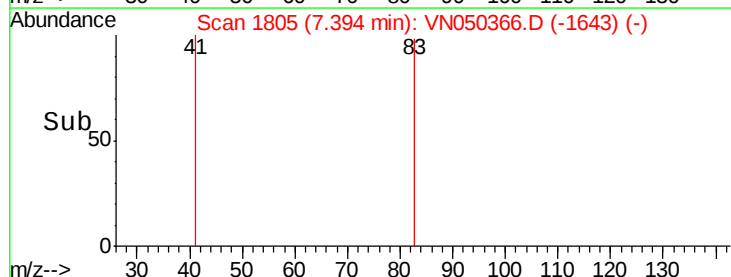
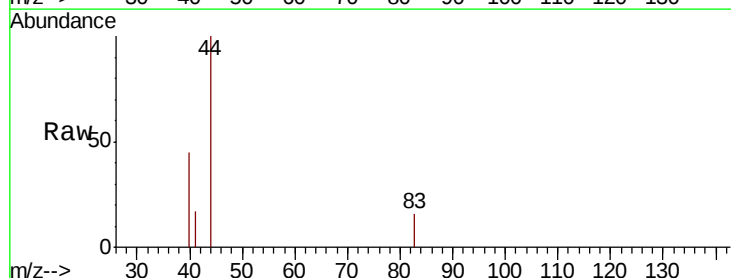
Instrument :
MSVOA_N
ClientSampled :
MW-03

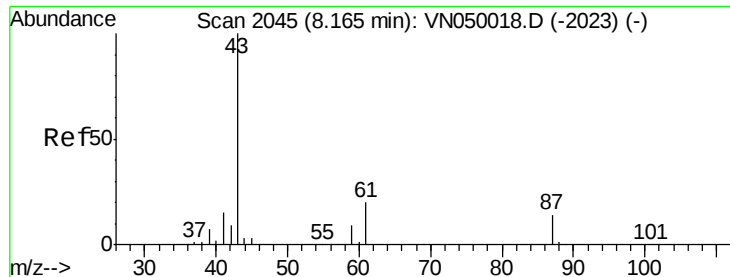
Tot Ion: 83 Resp: 3856
Ion Ratio Lower Upper
83 100
55 72.6 61.8 92.8
98 47.1 36.5 54.7



#41
Methacrylonitrile
Concen: 2.76 ug/l
RT: 7.39 min Scan# 1805
Delta R.T. 0.22 min
Lab File: VN050366.D
Acq: 4 Aug 2018 14:57

Tgt Ion: 41 Resp: 32
Ion Ratio Lower Upper
41 100
39 0.0 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#





#43

Isopropyl Acetate

Concen: 1.16 ug/l

RT: 8.25 min Scan# 2072

Delta R.T. 0.08 min

Lab File: VN050366.D

Acq: 4 Aug 2018 14:57

Instrument :

MSVOA_N

ClientSampleId :

MW-03

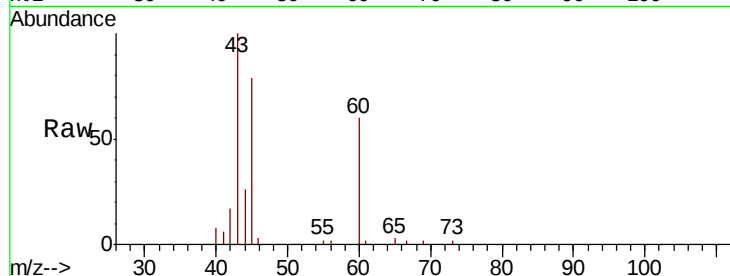
Tot Ion: 43 Resp: 33646

Ion Ratio Lower Upper

43 100

61 0.9 15.8 23.6#

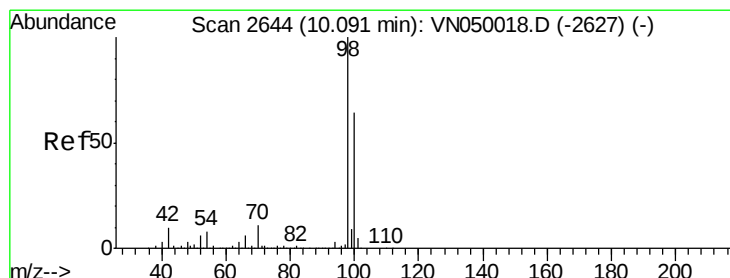
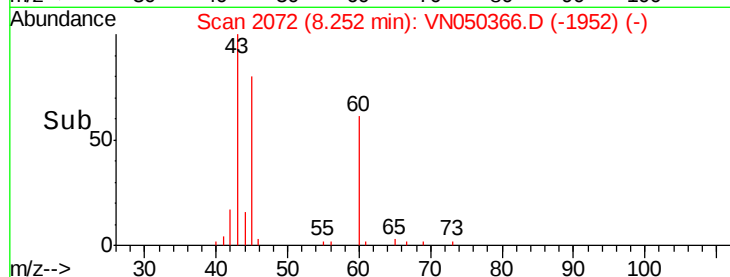
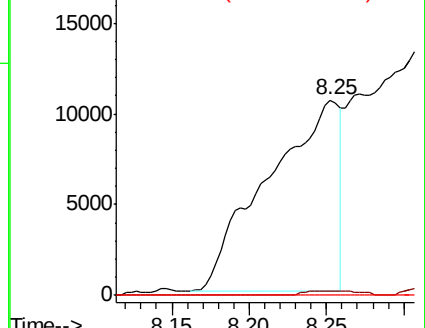
87 0.0 10.3 15.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 46.78 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050366.D

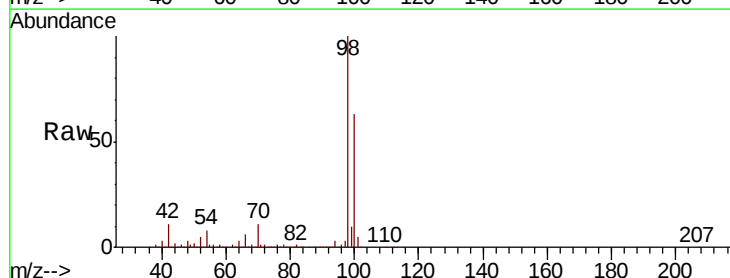
Acq: 4 Aug 2018 14:57

Tgt Ion: 98 Resp: 1404951

Ion Ratio Lower Upper

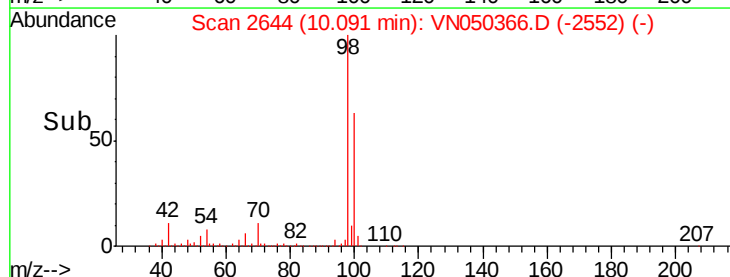
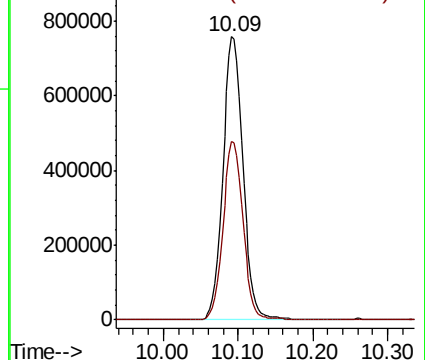
98 100

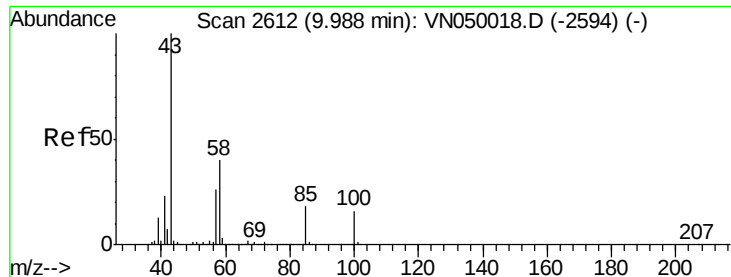
100 62.9 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

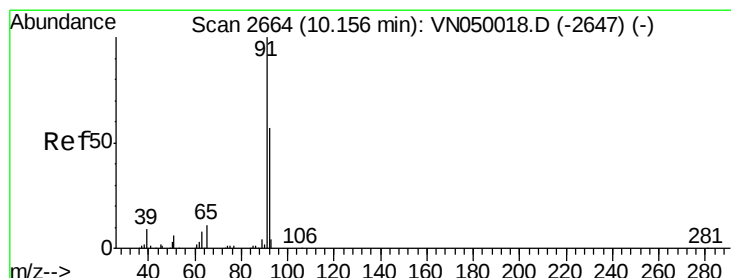
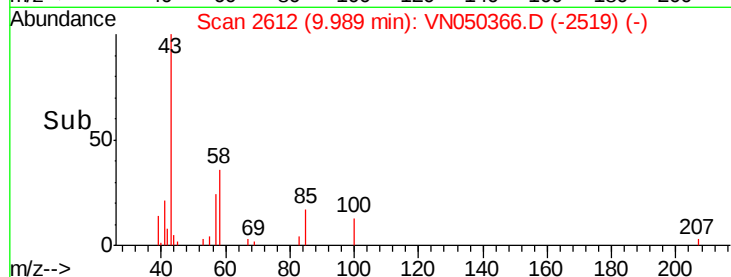
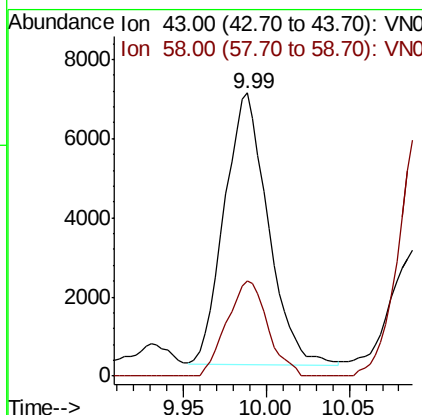
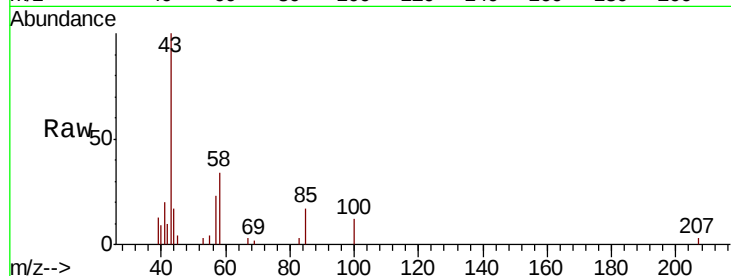




#51
4-Methyl-2-Pentanone
Concen: 1.62 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050366.D
Acq: 4 Aug 2018 14:57

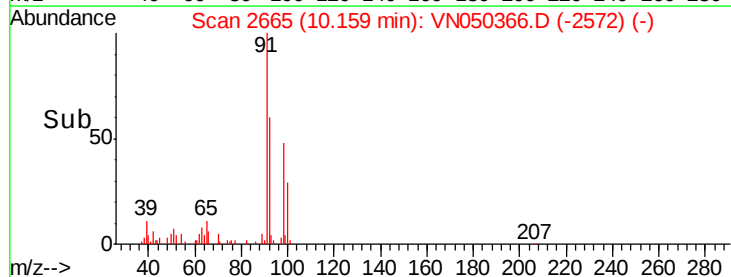
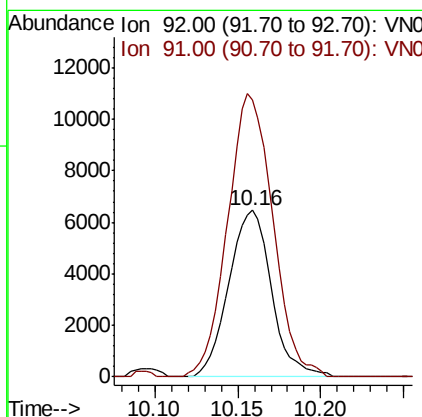
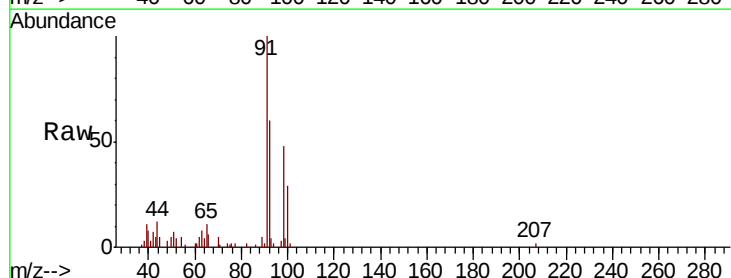
Instrument :
MSVOA_N
ClientSampled :
MW-03

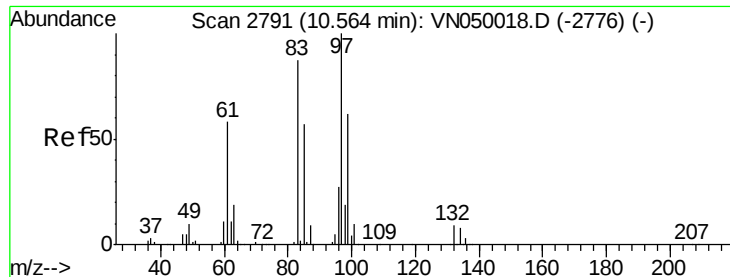
Tot Ion: 43 Resp: 12490
Ion Ratio Lower Upper
43 100
58 33.0 31.9 47.9



#52
Toluene
Concen: 0.57 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050366.D
Acq: 4 Aug 2018 14:57

Tgt Ion: 92 Resp: 11585
Ion Ratio Lower Upper
92 100
91 179.7 140.3 210.5

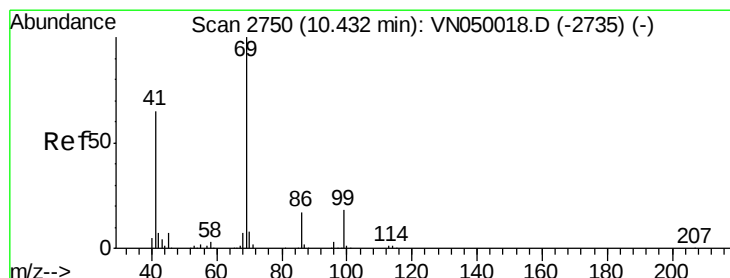
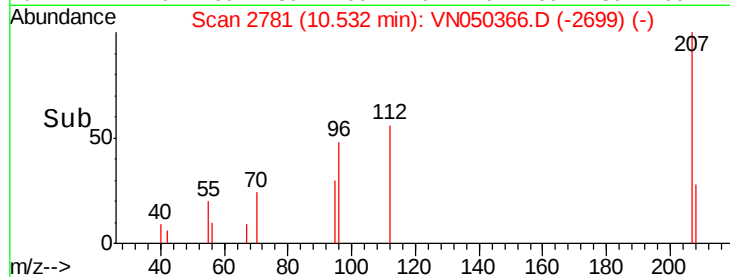
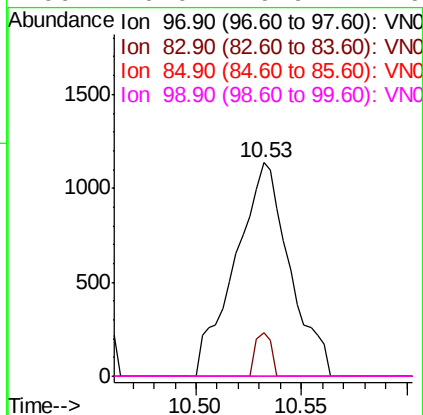
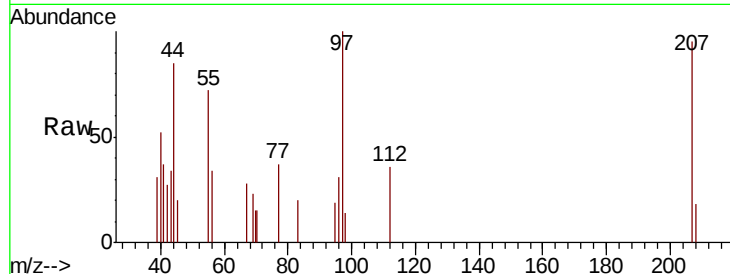




#55
 1,1,2-Trichloroethane
 Concen: 0.25 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. -0.04 min
 Lab File: VN050366.D
 Acq: 4 Aug 2018 14:57

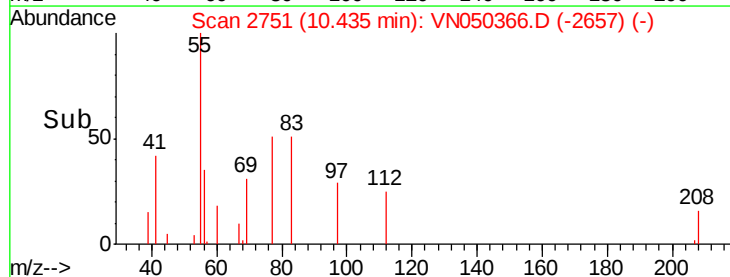
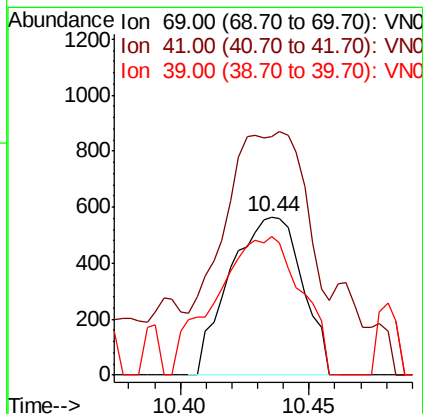
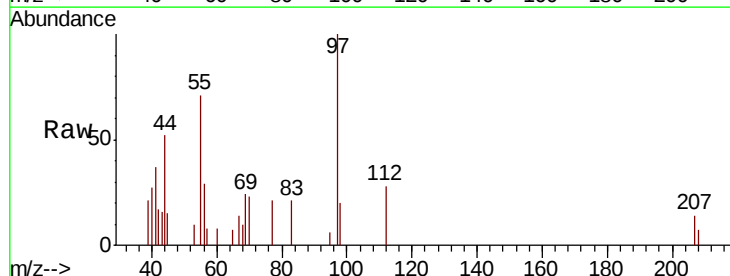
Instrument :
 MSVOA_N
 ClientSampled :
 MW-03

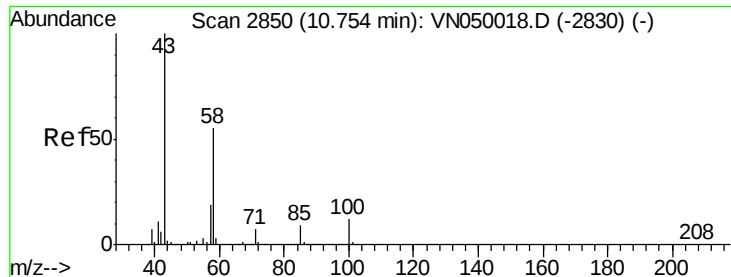
Tot Ion: 97 Resp: 2043
 Ion Ratio Lower Upper
 97 100
 83 20.1 69.2 103.8#
 85 0.0 44.0 66.0#
 99 0.0 49.9 74.9#



#56
 Ethyl methacrylate
 Concen: 2.13 ug/l
 RT: 10.44 min Scan# 2751
 Delta R.T. 0.00 min
 Lab File: VN050366.D
 Acq: 4 Aug 2018 14:57

Tgt Ion: 69 Resp: 1104
 Ion Ratio Lower Upper
 69 100
 41 61.1 51.0 76.4
 39 103.8 26.6 40.0#





#59

2-Hexanone

Concen: 5.27 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VN050366.D

Acq: 4 Aug 2018 14:57

Instrument :

MSVOA_N

ClientSampled :

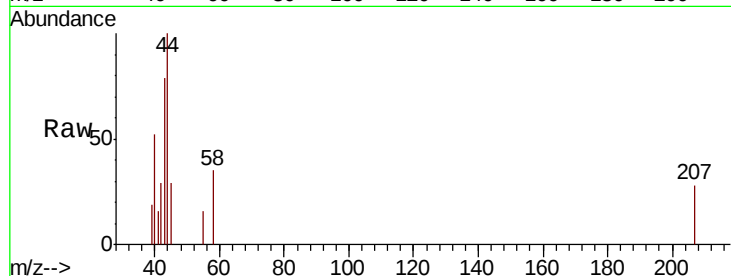
MW-03

Tot Ion: 43 Resp: 535

Ion Ratio Lower Upper

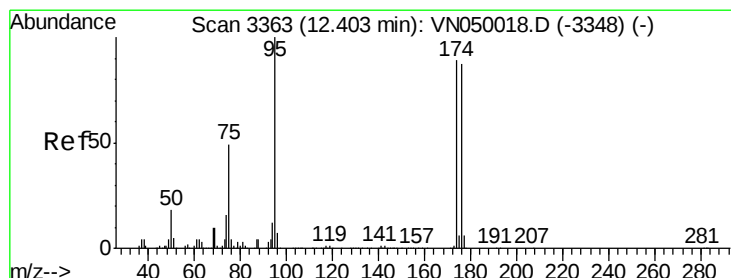
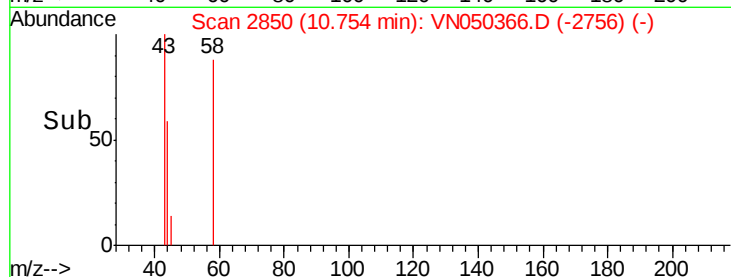
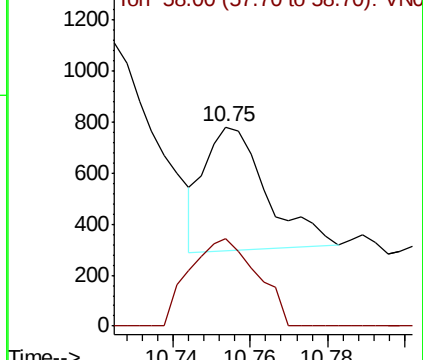
43 100

58 78.1 27.6 82.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 43.53 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050366.D

Acq: 4 Aug 2018 14:57

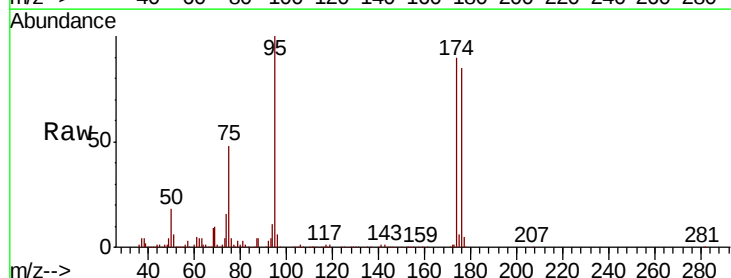
Tgt Ion: 95 Resp: 430515

Ion Ratio Lower Upper

95 100

174 91.3 0.0 178.2

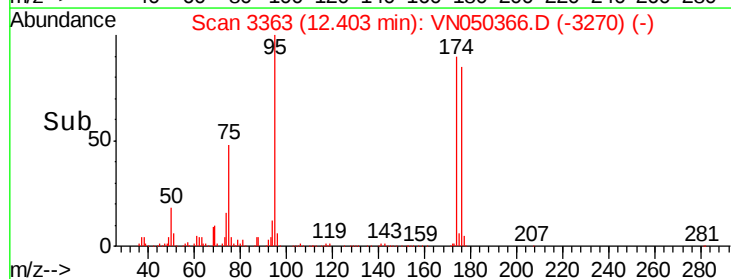
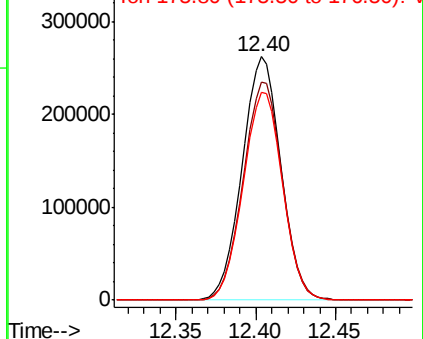
176 87.3 0.0 173.4

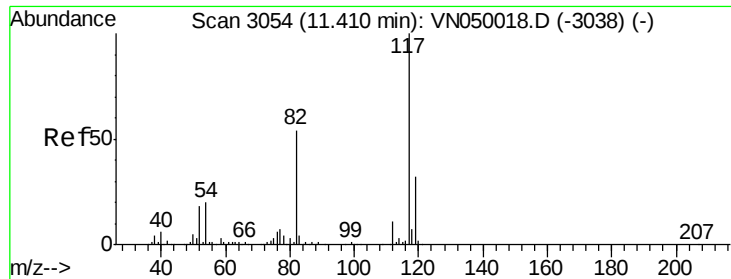


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

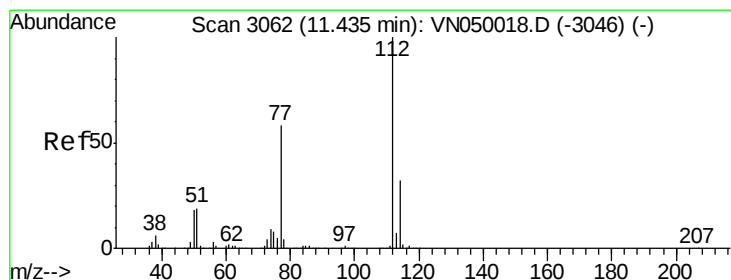
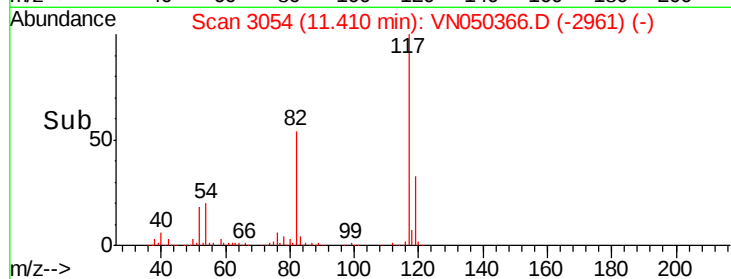
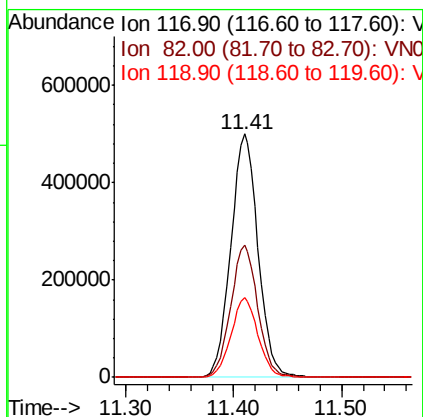
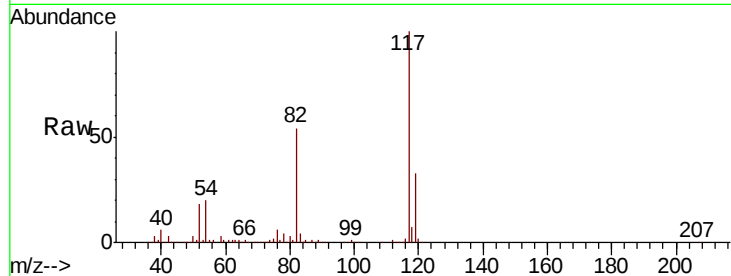




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050366.D
Acq: 4 Aug 2018 14:57

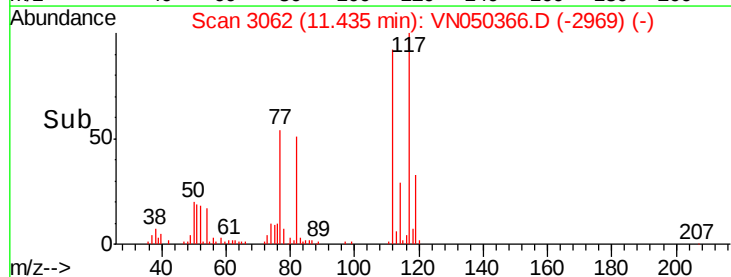
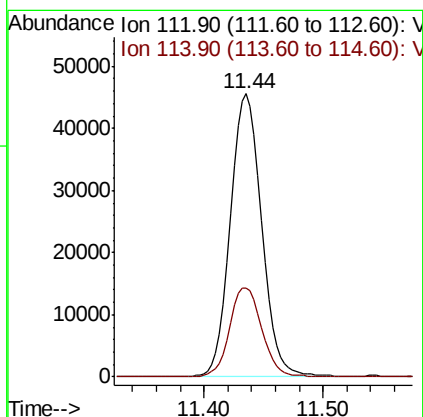
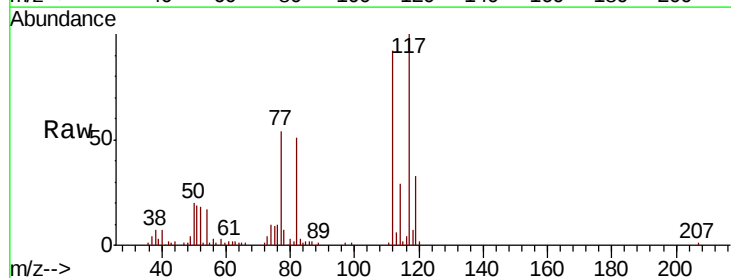
Instrument :
MSVOA_N
ClientSampleId :
MW-03

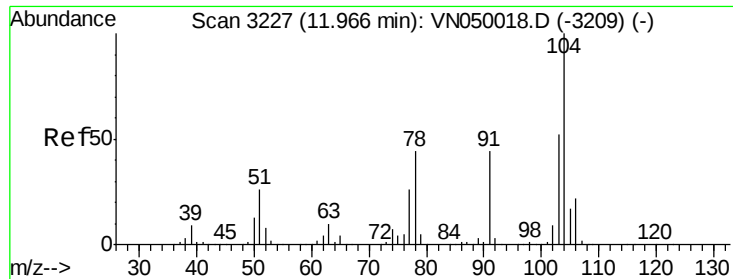
Tot Ion:117 Resp: 878039
Ion Ratio Lower Upper
117 100
82 54.2 43.7 65.5
119 32.7 26.1 39.1



#65
Chlorobenzene
Concen: 3.75 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050366.D
Acq: 4 Aug 2018 14:57

Tgt Ion:112 Resp: 83189
Ion Ratio Lower Upper
112 100
114 31.5 25.6 38.4





#70

Stvrene

Concen: 0.93 ug/l

RT: 11.96 min Scan# 3225

Delta R.T. -0.01 min

Lab File: VN050366.D

Acq: 4 Aug 2018 14:57

Instrument :

MSVOA_N

ClientSampleId :

MW-03

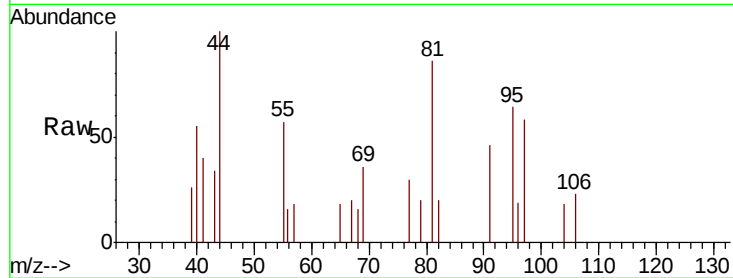
Tot Ion:104 Resp: 66

Ion Ratio Lower Upper

104 100

78 0.0 39.3 58.9#

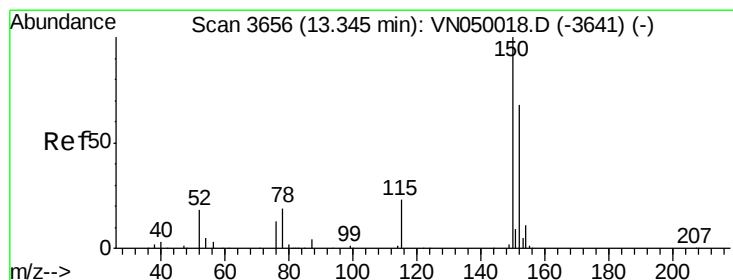
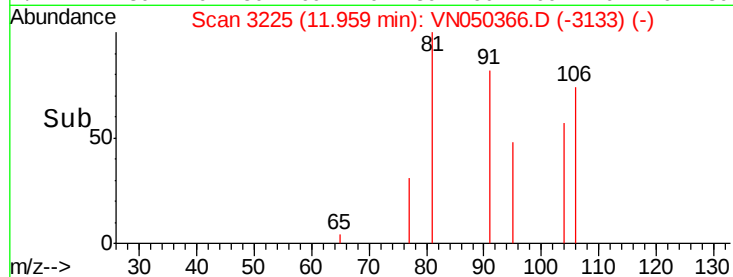
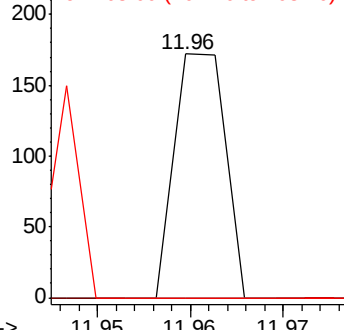
103 43.9 45.0 67.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050366.D

Acq: 4 Aug 2018 14:57

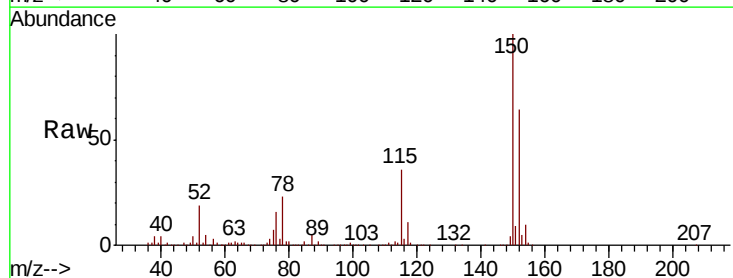
Tgt Ion:152 Resp: 395558

Ion Ratio Lower Upper

152 100

115 56.6 27.8 83.3

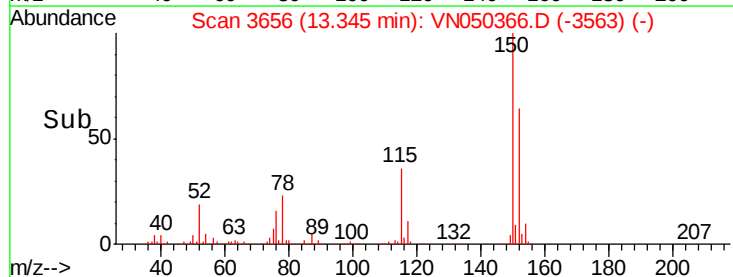
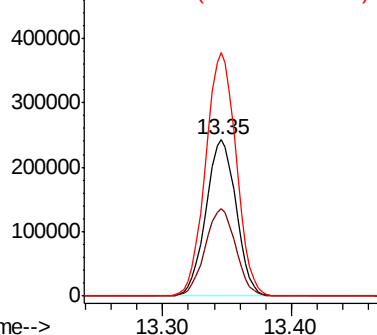
150 157.2 0.0 348.6

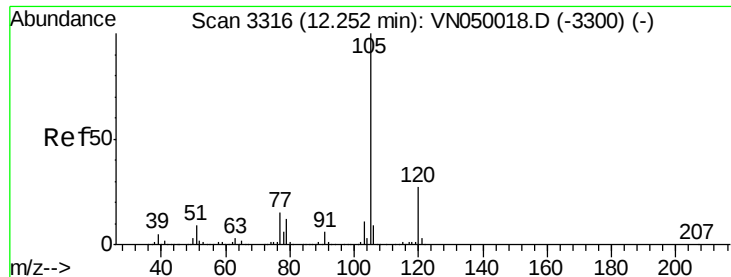


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.23 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050366.D

Acq: 4 Aug 2018 14:57

Instrument :

MSVOA_N

ClientSampled :

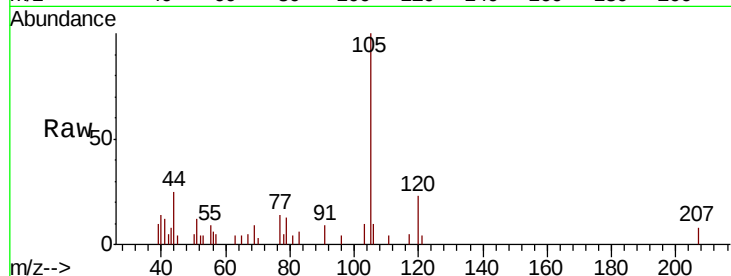
MW-03

Tot Ion:105 Resp: 6918

Ion Ratio Lower Upper

105 100

120 23.4 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

4000

3000

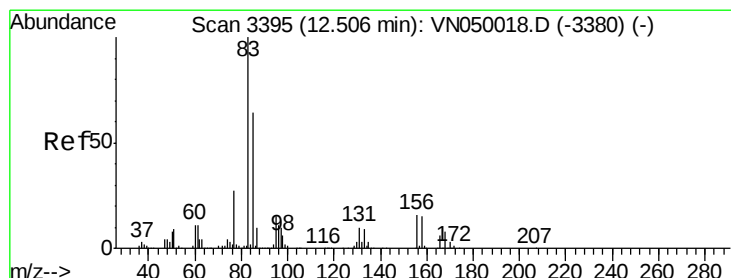
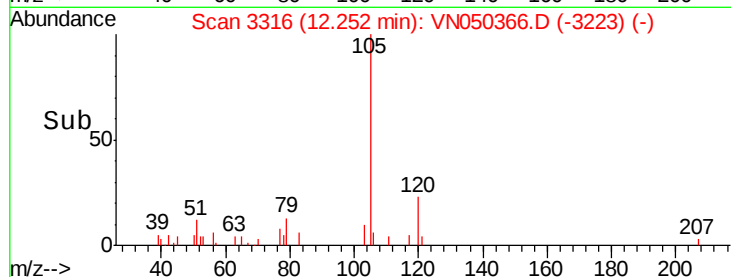
2000

1000

0

Time-->

12.20 12.25 12.30



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.53 min Scan# 3401

Delta R.T. 0.02 min

Lab File: VN050366.D

Acq: 4 Aug 2018 14:57

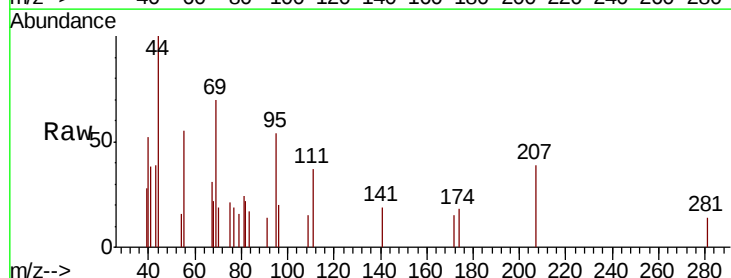
Tgt Ion: 83 Resp: 137

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

400

300

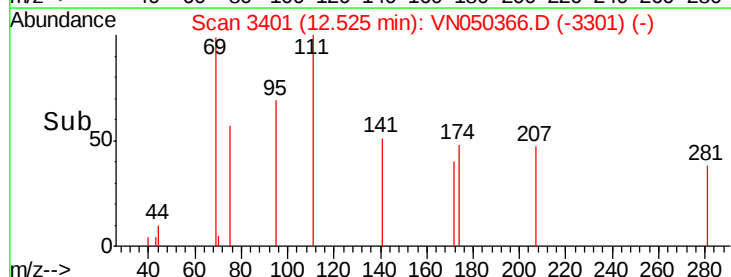
200

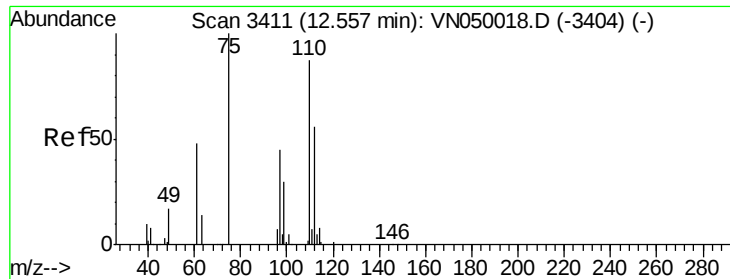
100

0

Time-->

12.51 12.52 12.53 12.54





#76

1,2,3-Trichloropropane

Concen: 28.15 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050366.D

Acq: 4 Aug 2018 14:57

Instrument :

MSVOA_N

ClientSampled :

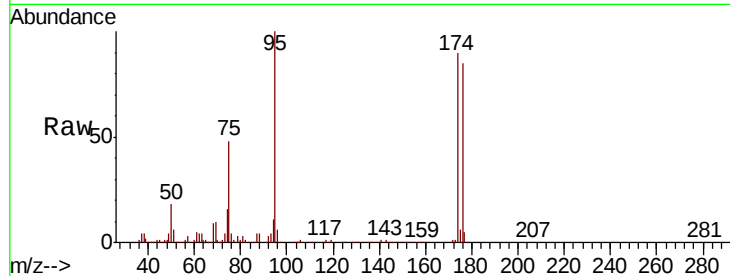
MW-03

Tot Ion: 75 Resp: 206963

Ion Ratio Lower Upper

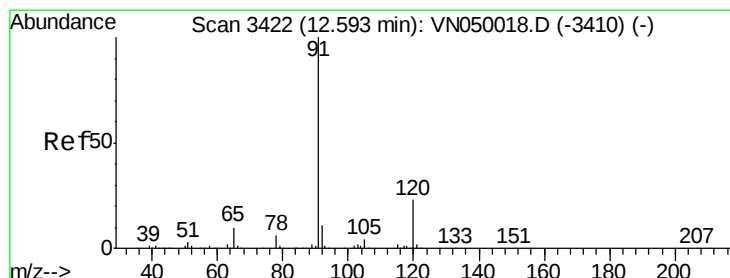
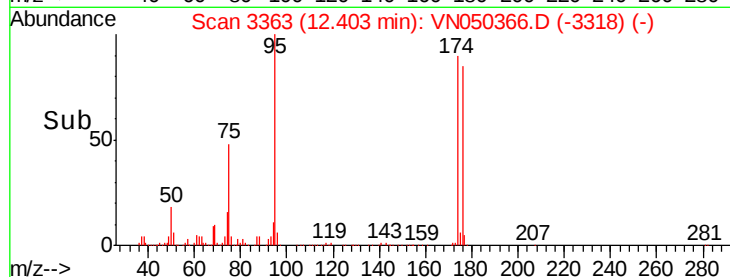
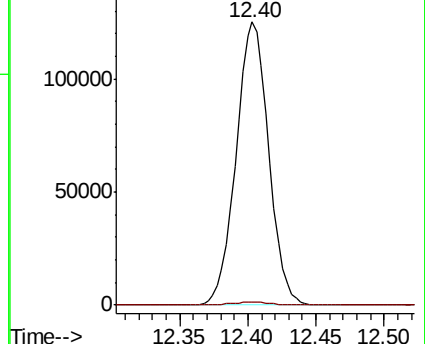
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 0.41 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050366.D

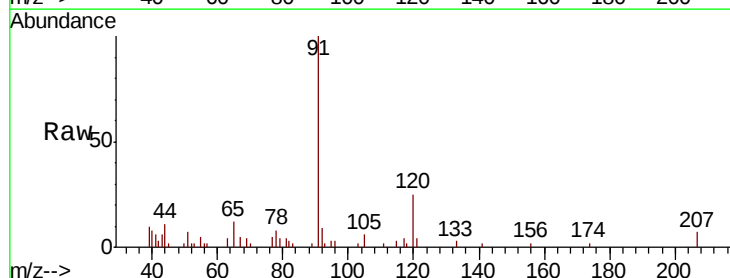
Acq: 4 Aug 2018 14:57

Tgt Ion: 91 Resp: 14157

Ion Ratio Lower Upper

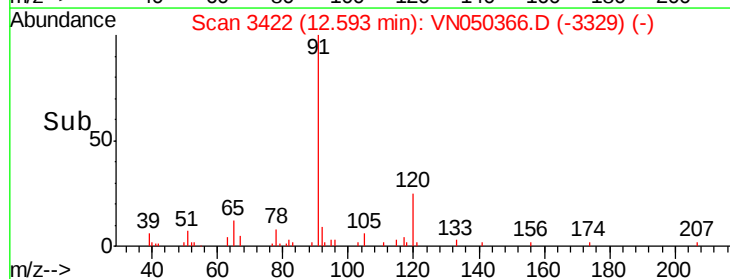
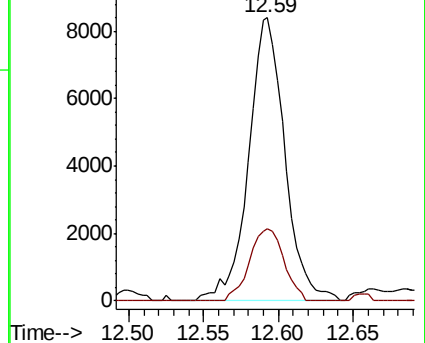
91 100

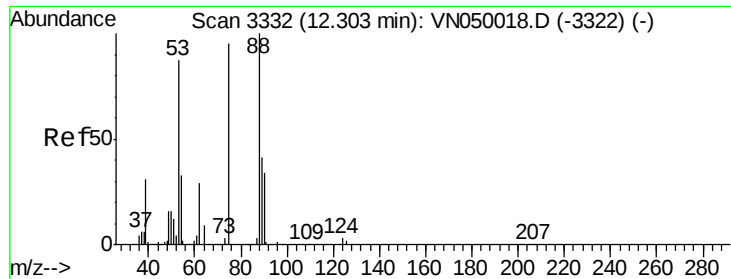
120 24.1 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 89.30 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050366.D

Acq: 4 Aug 2018 14:57

Instrument :

MSVOA_N

ClientSampleId :

MW-03

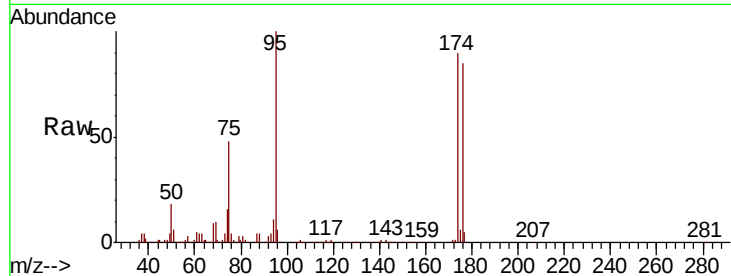
Tot Ion: 75 Resp: 206963

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

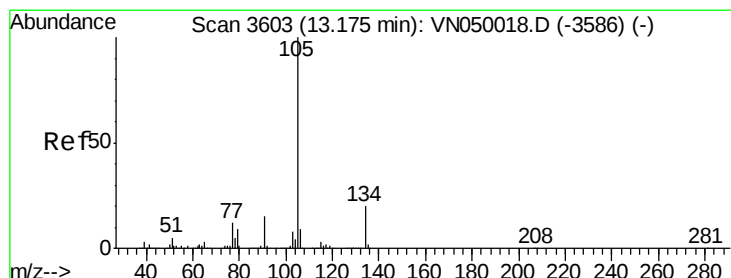
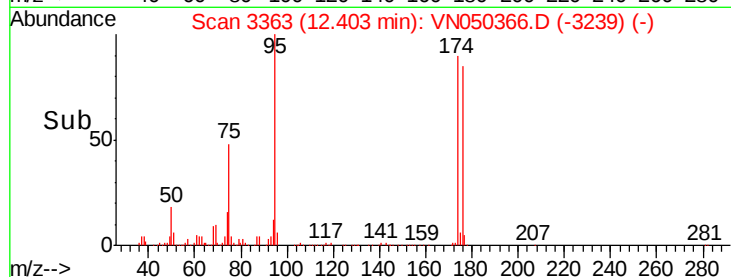
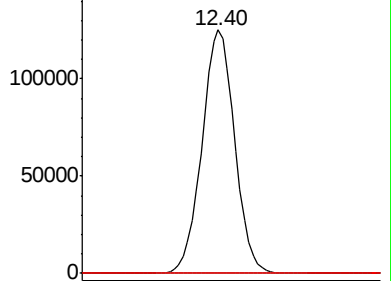
89 0.0 36.0 54.0#



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



#85

sec-Butylbenzene

Concen: 0.81 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050366.D

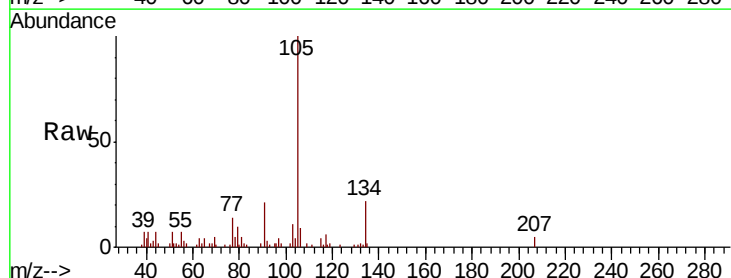
Acq: 4 Aug 2018 14:57

Tgt Ion: 105 Resp: 22783

Ion Ratio Lower Upper

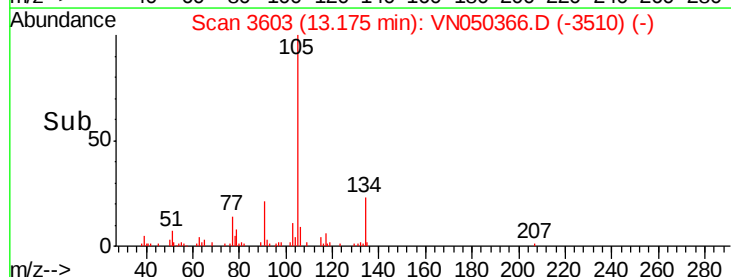
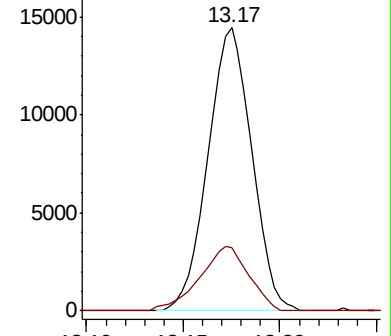
105 100

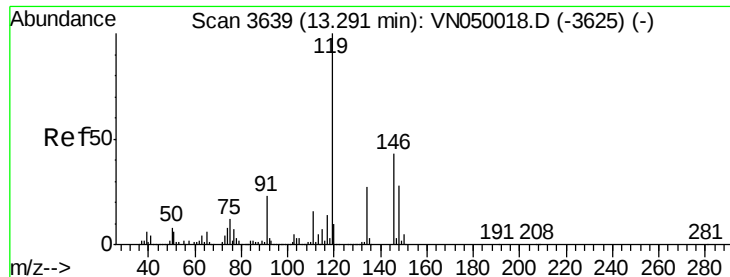
134 25.4 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

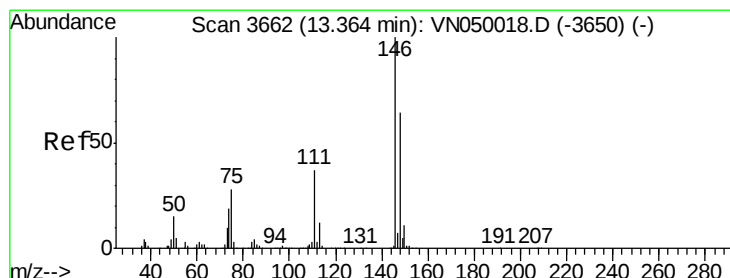
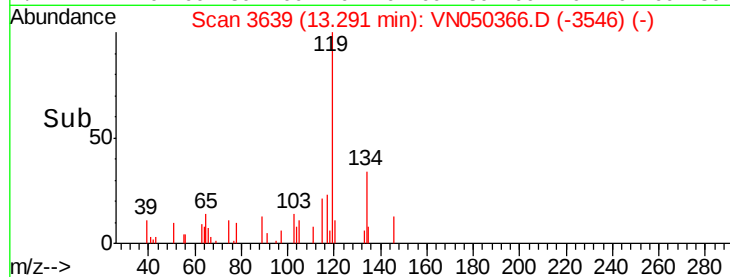
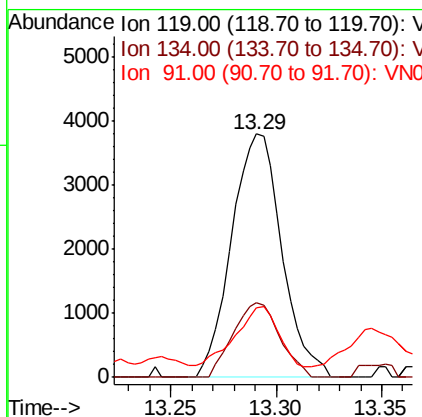
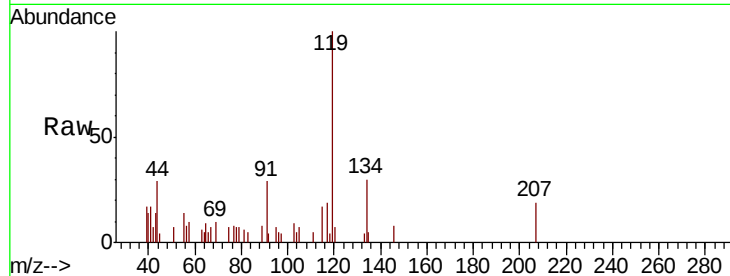




#86
 p-Isopropyltoluene
 Concen: 0.27 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050366.D
 Acq: 4 Aug 2018 14:57

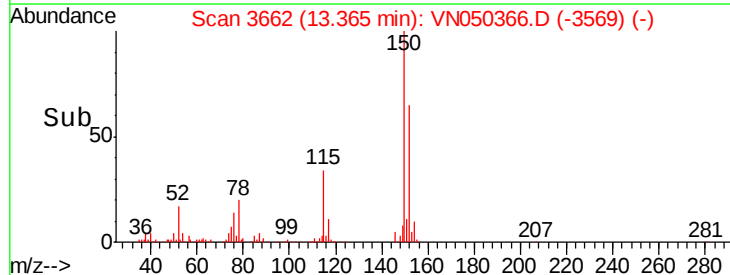
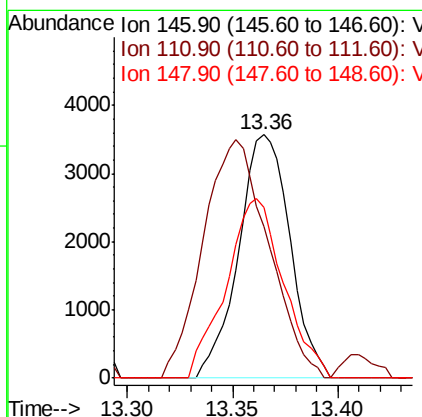
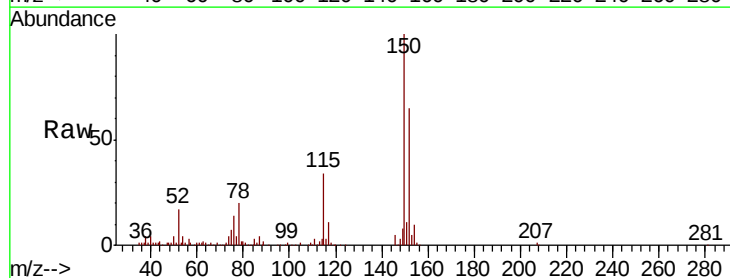
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-03

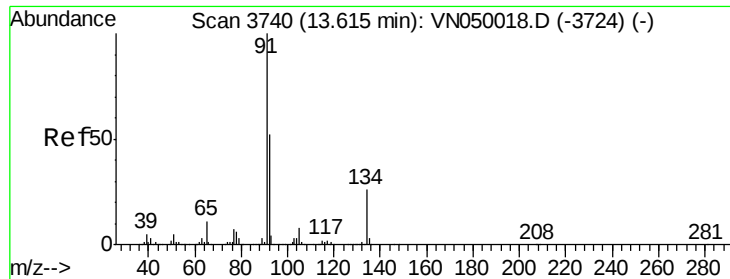
Tot Ion:119 Resp: 6286
 Ion Ratio Lower Upper
 119 100
 134 28.3 13.3 39.8
 91 23.3 11.4 34.2



#88
 1,4-Dichlorobenzene
 Concen: 0.43 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050366.D
 Acq: 4 Aug 2018 14:57

Tgt Ion:146 Resp: 6055
 Ion Ratio Lower Upper
 146 100
 111 124.3 18.3 54.9#
 148 82.5 31.9 95.9

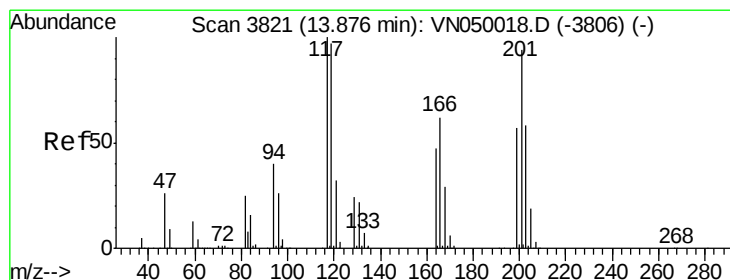
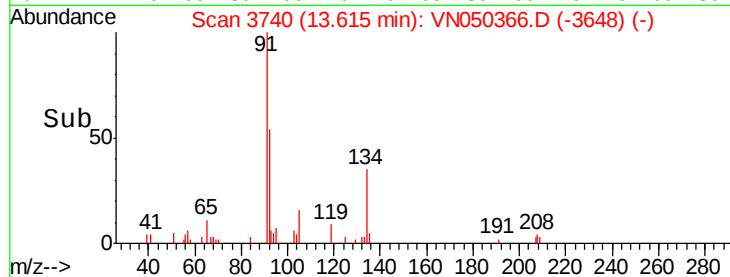
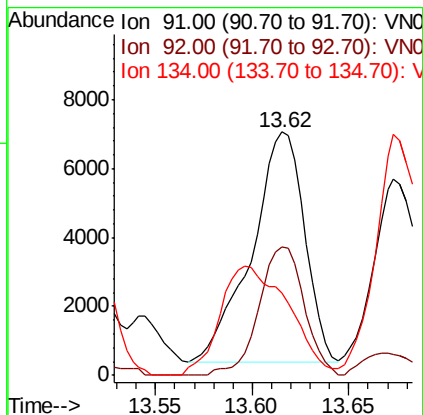
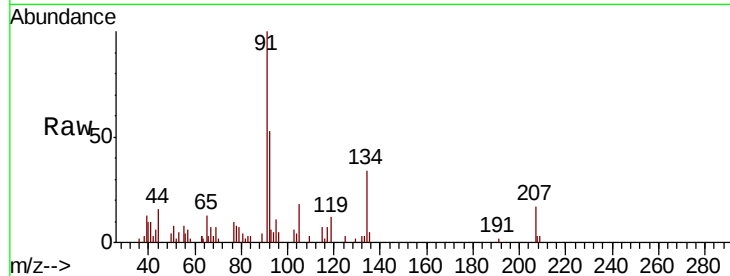




#89
n-Butylbenzene
Concen: 0.65 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050366.D
Acq: 4 Aug 2018 14:57

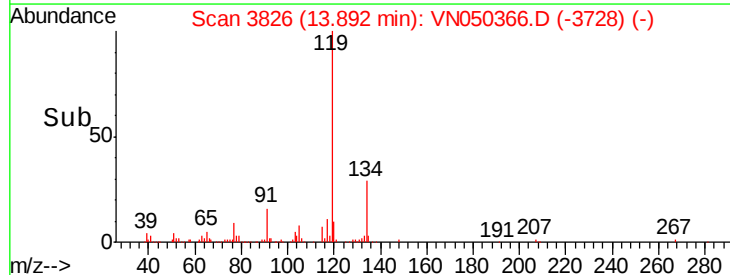
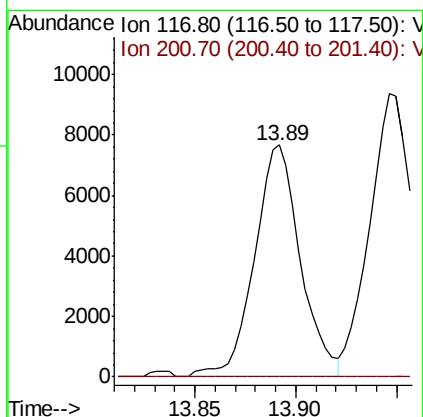
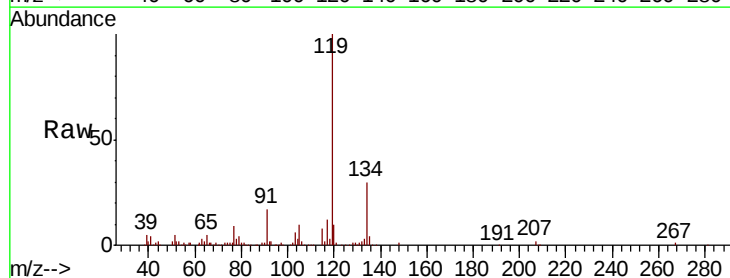
Instrument :
MSVOA_N
ClientSampleId :
MW-03

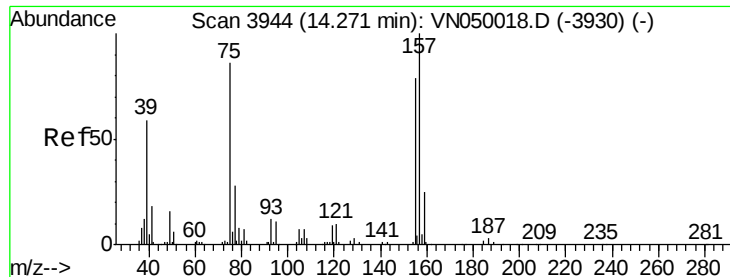
Tot Ion: 91 Resp: 12758
Ion Ratio Lower Upper
91 100
92 47.7 25.8 77.4
134 61.0 12.8 38.4#



#90
Hexachloroethane
Concen: 2.31 ug/l
RT: 13.89 min Scan# 3826
Delta R.T. 0.02 min
Lab File: VN050366.D
Acq: 4 Aug 2018 14:57

Tgt Ion: 117 Resp: 12161
Ion Ratio Lower Upper
117 100
201 0.0 45.6 136.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.29 min Scan# 3950

Delta R.T. 0.02 min

Lab File: VN050366.D

Acq: 4 Aug 2018 14:57

Instrument :

MSVOA_N

ClientSampleId :

MW-03

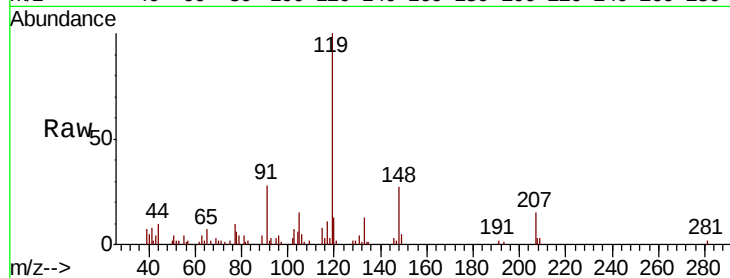
Tot Ion: 75 Resp: 124

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

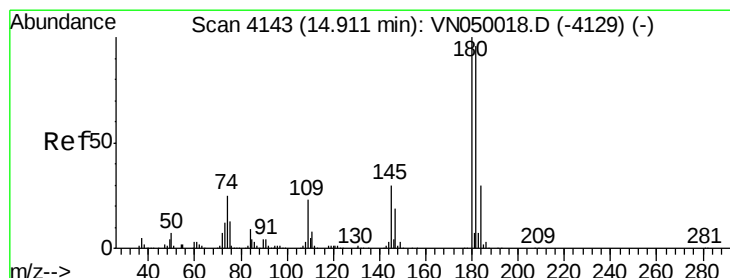
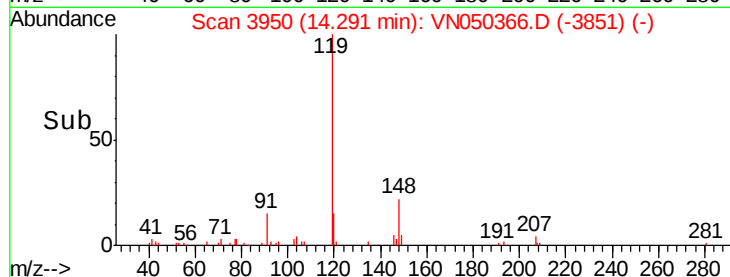
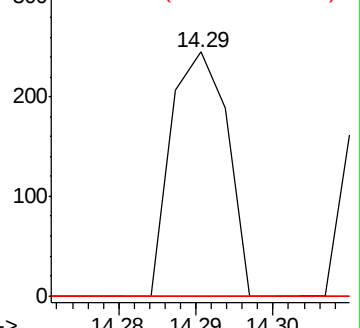
157 0.0 57.2 171.6#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 3.13 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN050366.D

Acq: 4 Aug 2018 14:57

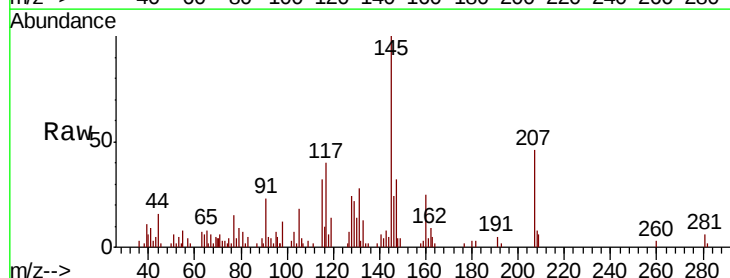
Tgt Ion: 180 Resp: 323

Ion Ratio Lower Upper

180 100

182 75.5 46.7 140.1

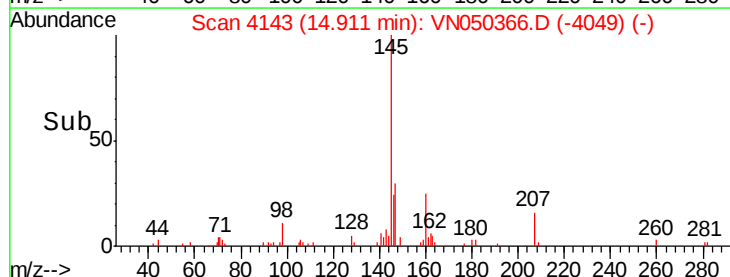
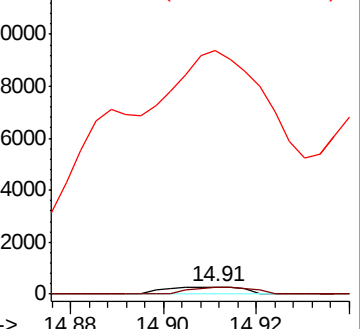
145 7315.2 13.8 41.4#

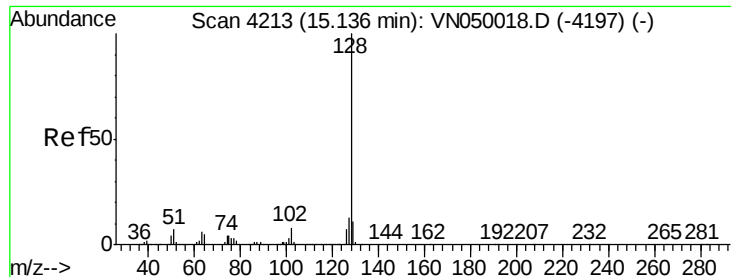


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 4.81 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050366.D

Acq: 4 Aug 2018 14:57

Instrument :

MSVOA_N

ClientSampleId :

MW-03

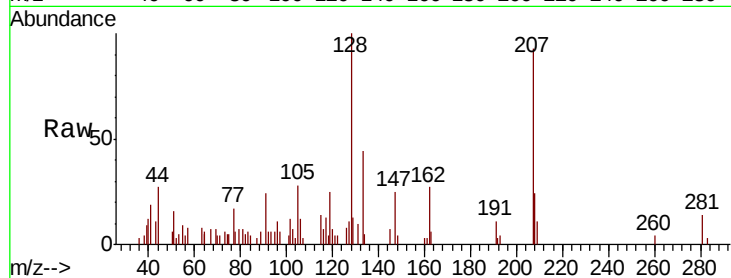
Tot Ion:128 Resp: 7778

Ion Ratio Lower Upper

128 100

127 8.9 10.4 15.6#

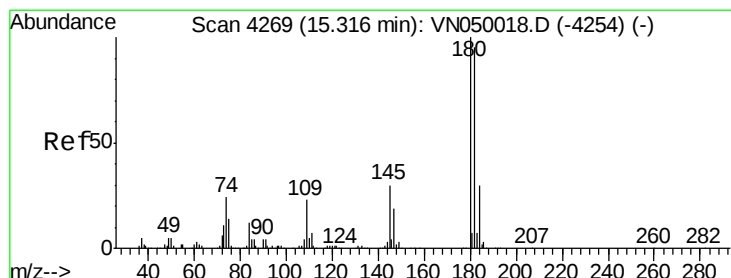
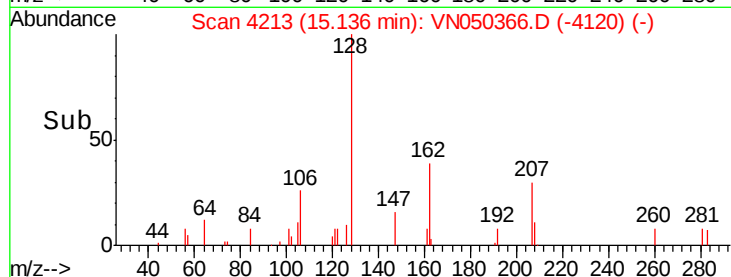
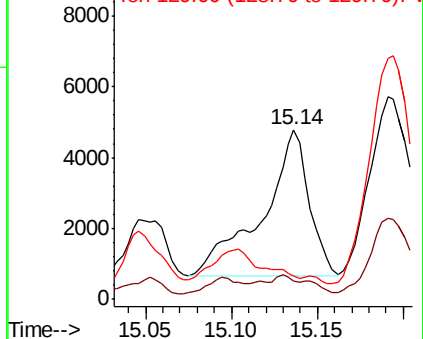
129 0.0 8.8 13.2#



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



#96

1,2,3-Trichlorobenzene

Concen: 2.22 ug/l

RT: 15.33 min Scan# 4273

Delta R.T. 0.01 min

Lab File: VN050366.D

Acq: 4 Aug 2018 14:57

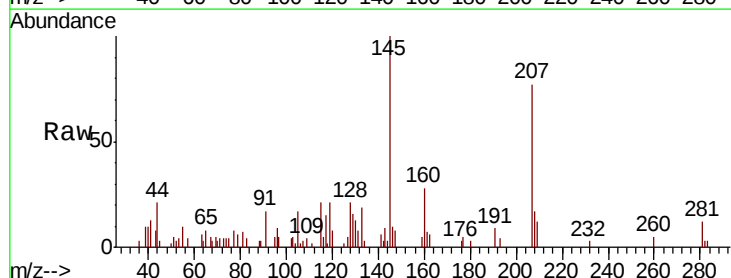
Tgt Ion:180 Resp: 74

Ion Ratio Lower Upper

180 100

182 0.0 48.1 144.4#

145 0.0 15.3 45.9#



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

