

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
 Data File : VN054336.D
 Acq On : 16 Mar 2019 14:56
 Operator : JC/SP
 Sample : K1962-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Mar 18 04:50:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1813298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2650941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2175796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	753357	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	899169	46.69	ug/l	0.00
Spiked Amount			Recovery	=	93.38%	
35) Dibromofluoromethane	7.59	113	816105	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	
50) Toluene-d8	10.09	98	3037532	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	
62) 4-Bromofluorobenzene	12.40	95	882667	39.95	ug/l	0.00
Spiked Amount			Recovery	=	79.90%	

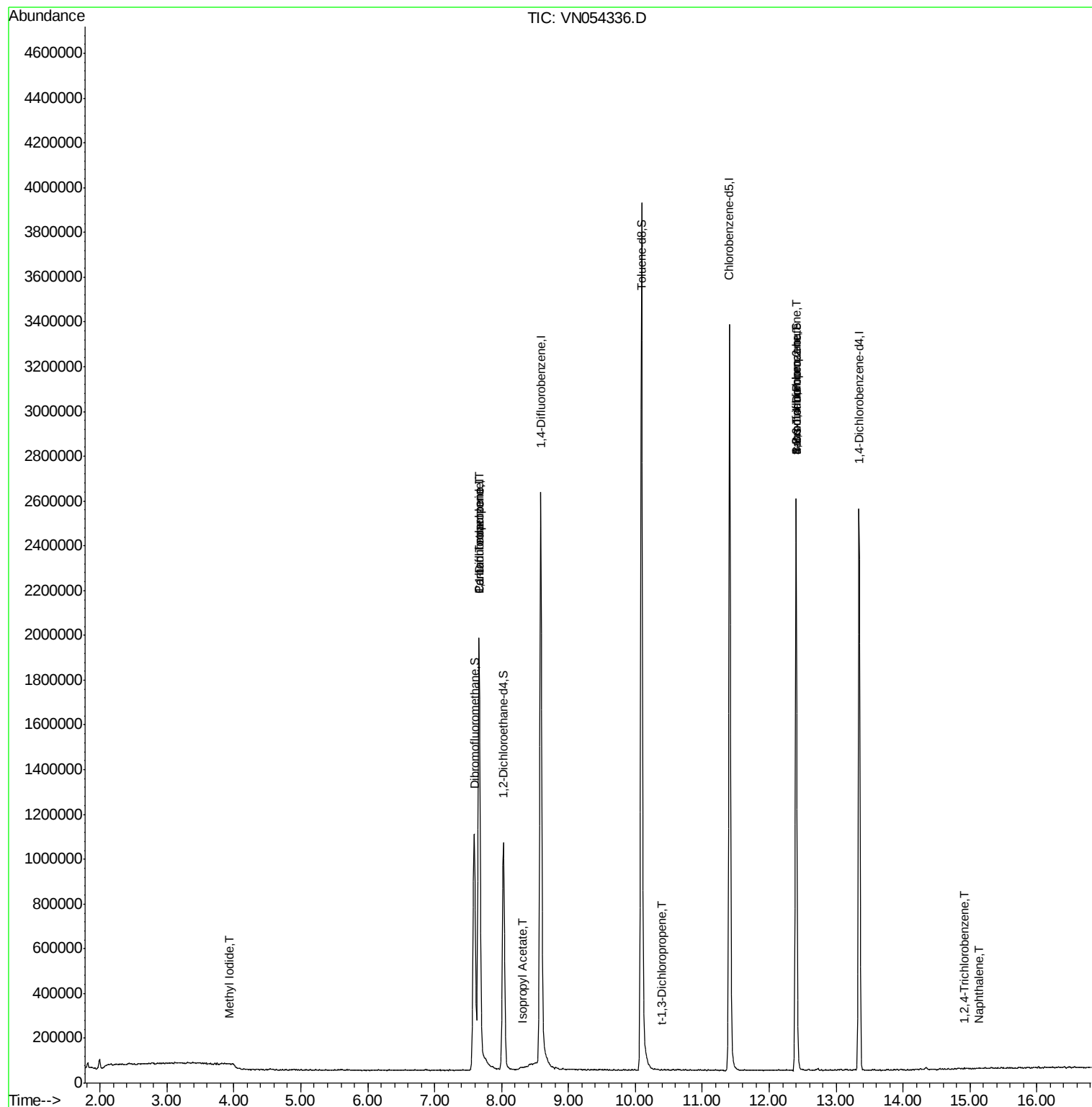
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	577	1.518	ug/l #	45
31) Cyclohexane	7.66	56	28651	Below Cal	#	3
36) 1,1-Dichloropropene	7.66	75	113772	4.660	ug/l #	48
38) Carbon Tetrachloride	7.66	117	153710	6.004	ug/l #	16
43) Isopropyl Acetate	8.30	43	13976	0.568	ug/l #	60
53) t-1,3-Dichloropropene	10.39	75	95	1.989	ug/l #	65
71) Bromoform	12.40	173	5364	2.737	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	424897	38.353	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	424897	131.109	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	756	2.562	ug/l #	60
95) Naphthalene	15.14	128	2937	3.552	ug/l #	83

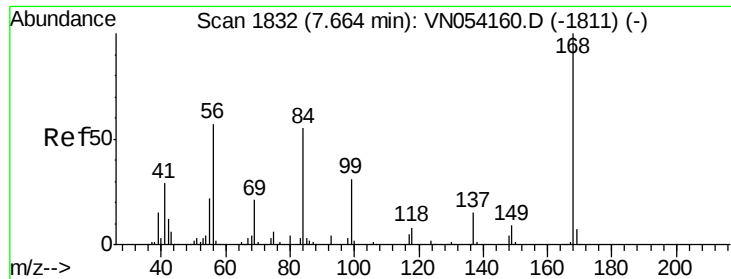
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054336.D

Acq: 16 Mar 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

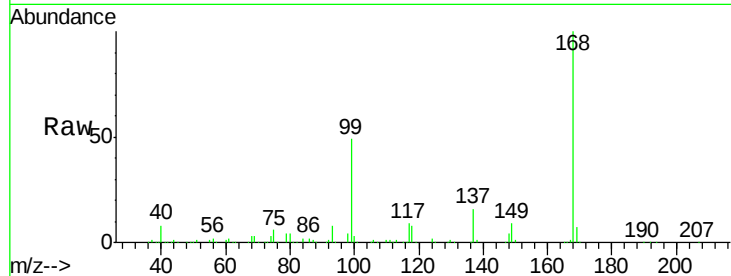
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 1813298

Ion Ratio Lower Upper

168 100

99 49.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

600000

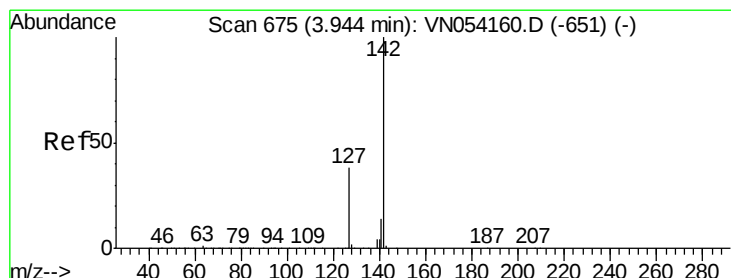
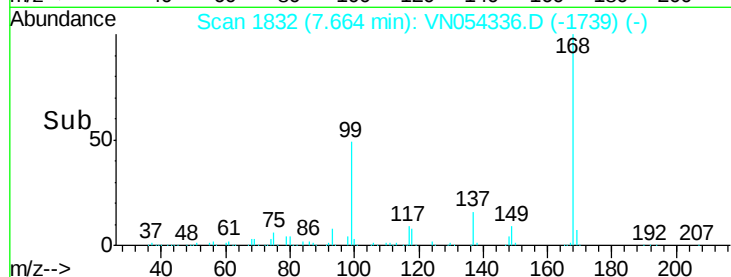
400000

200000

0

7.60 7.70 7.80

Time-->



#10

Methyl Iodide

Concen: 1.518 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.01 min

Lab File: VN054336.D

Acq: 16 Mar 2019 14:56

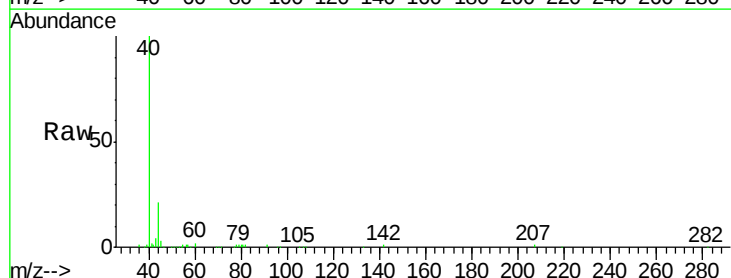
Tgt Ion:142 Resp: 577

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.94

600

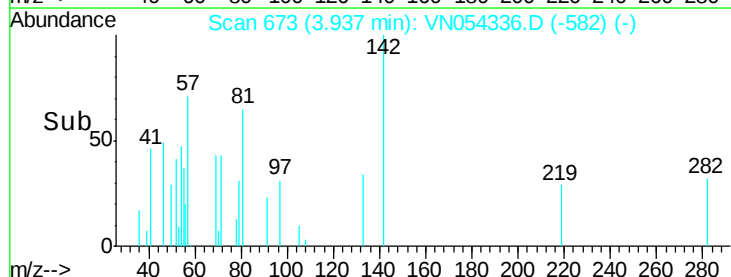
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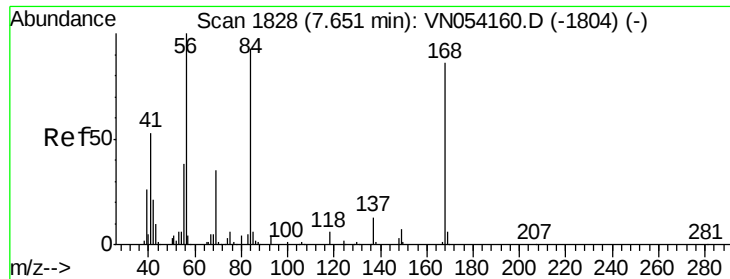
200

0

3.92 3.94 3.96

Time-->

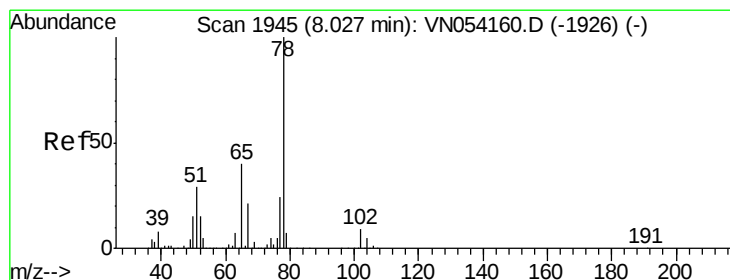
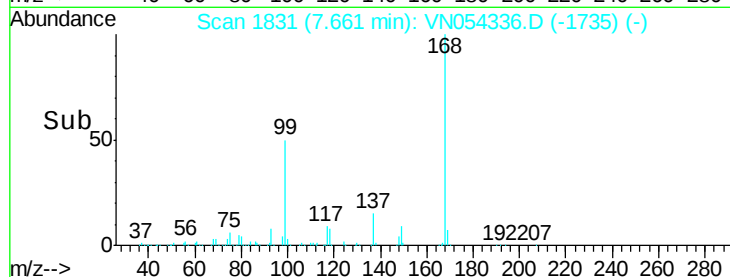
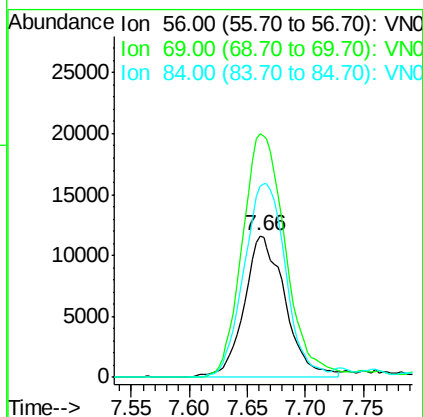
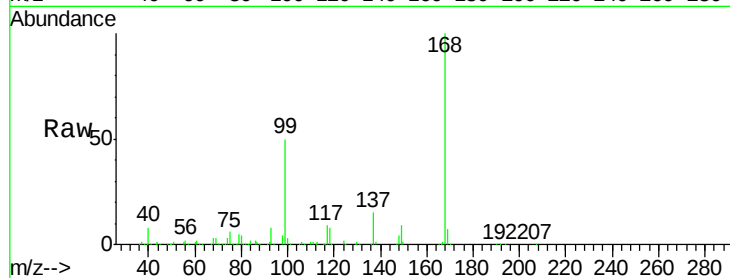




#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN054336.D
Acq: 16 Mar 2019 14:56

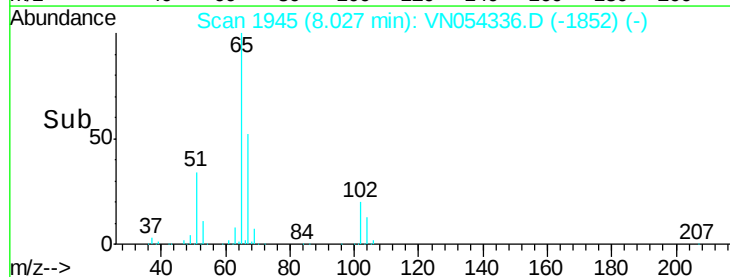
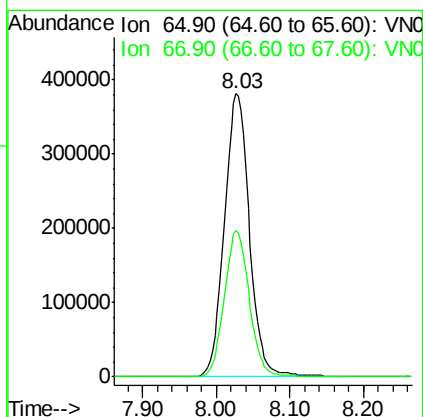
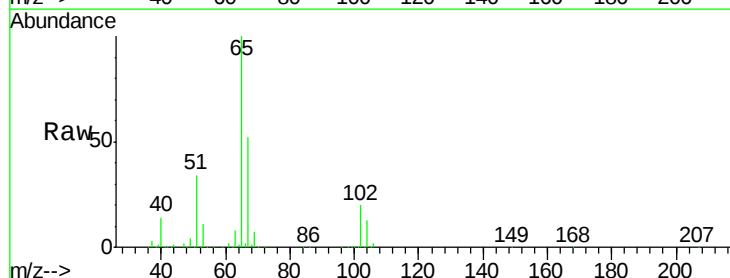
Instrument :
MSVOA_N
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STORAGE-BLANK-SAMPLE-MANA

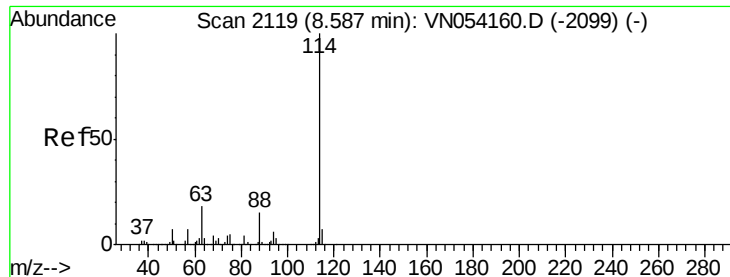
Tot Ion: 56 Resp: 28651
Ion Ratio Lower Upper
56 100
69 172.3 27.8 41.6#
84 135.7 74.6 111.8#



#33
1,2-Dichloroethane-d4
Concen: 46.692 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054336.D
Acq: 16 Mar 2019 14:56

Tgt Ion: 65 Resp: 899169
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.6

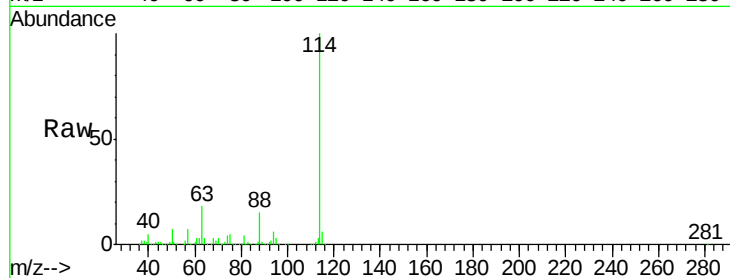




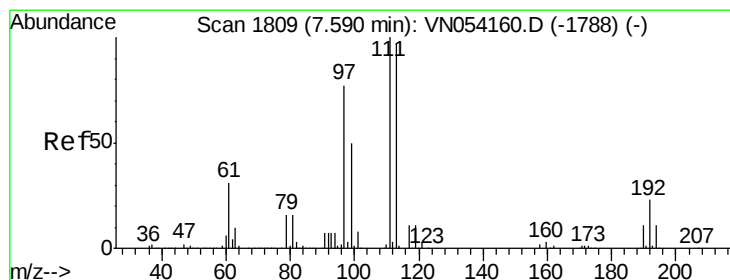
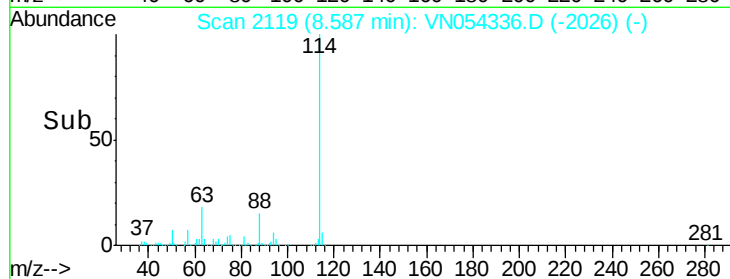
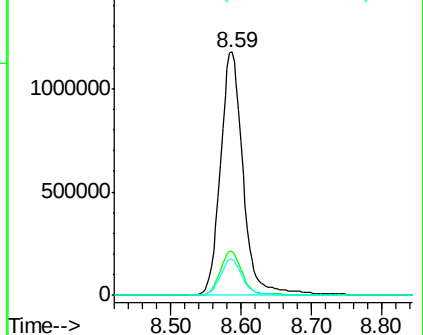
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054336.D
 Acq: 16 Mar 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Tot Ion:114 Resp: 2650941
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 35.2
 88 14.8 0.0 30.2

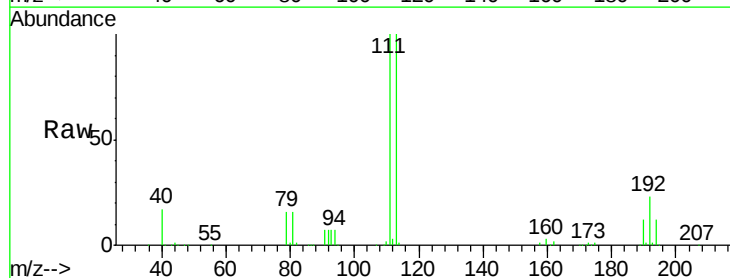


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

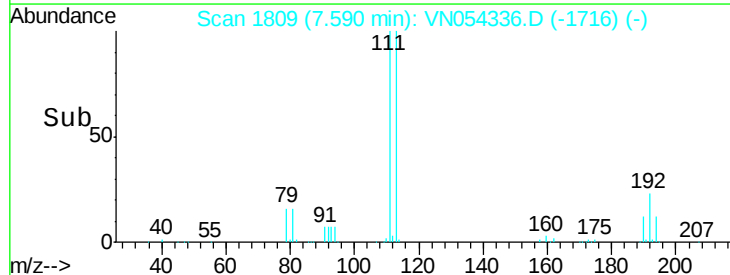
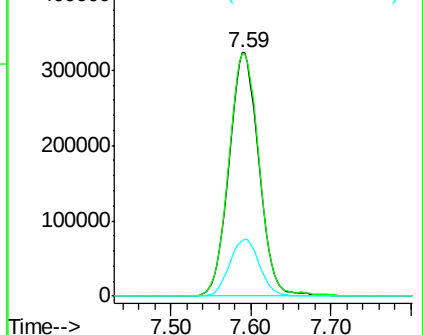


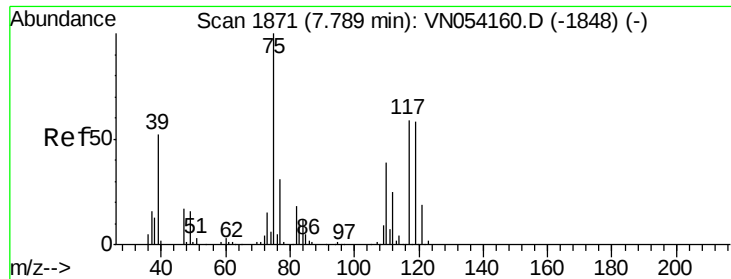
#35
 Dibromofluoromethane
 Concen: 47.732 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054336.D
 Acq: 16 Mar 2019 14:56

Tgt Ion:113 Resp: 816105
 Ion Ratio Lower Upper
 113 100
 111 100.5 82.2 123.4
 192 23.3 19.2 28.8



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

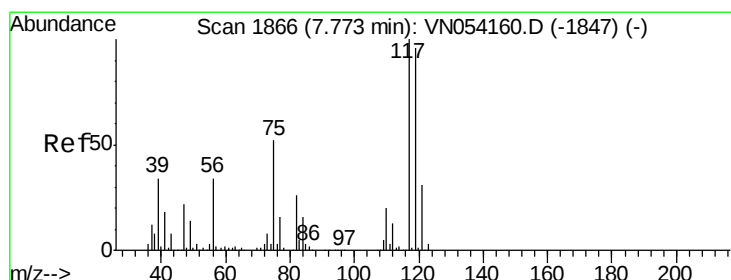
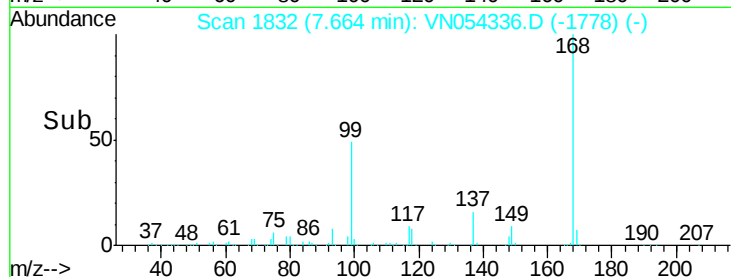
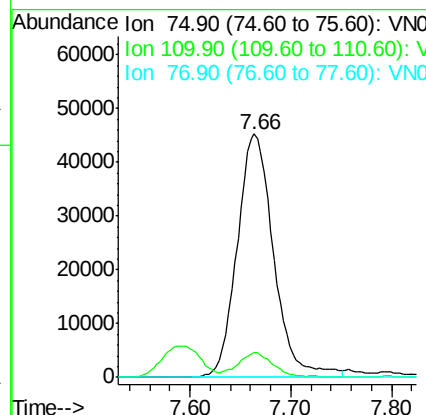
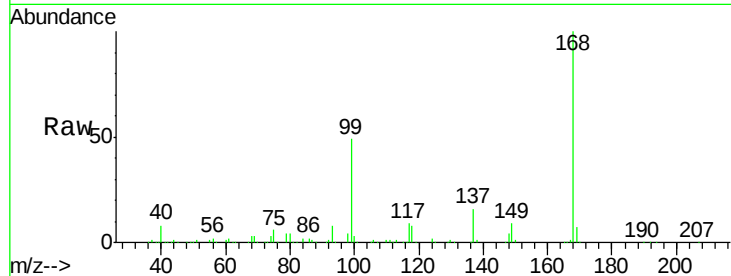




#36
 1,1-Dichloropropene
 Concen: 4.660 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054336.D
 Acq: 16 Mar 2019 14:56

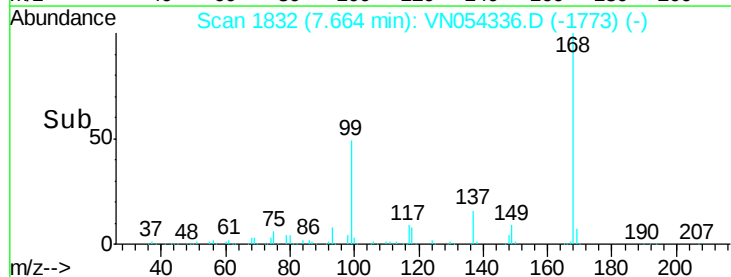
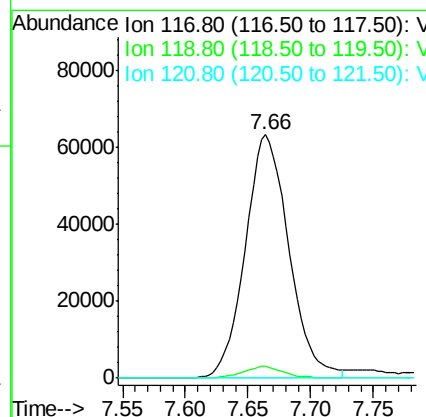
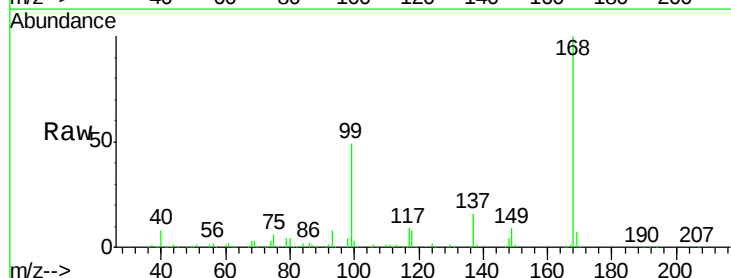
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

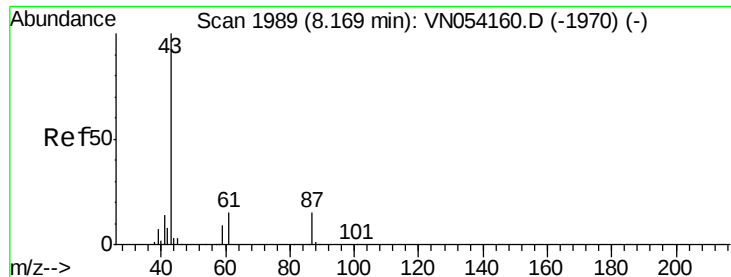
Tot Ion: 75 Resp: 113772
 Ion Ratio Lower Upper
 75 100
 110 9.1 19.1 57.5#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.004 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN054336.D
 Acq: 16 Mar 2019 14:56

Tgt Ion: 117 Resp: 153710
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.3 114.5#
 121 0.0 24.6 36.8#





#43

Isopropyl Acetate

Concen: 0.568 ug/l

RT: 8.30 min Scan# 2031

Delta R.T. 0.14 min

Lab File: VN054336.D

Acq: 16 Mar 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

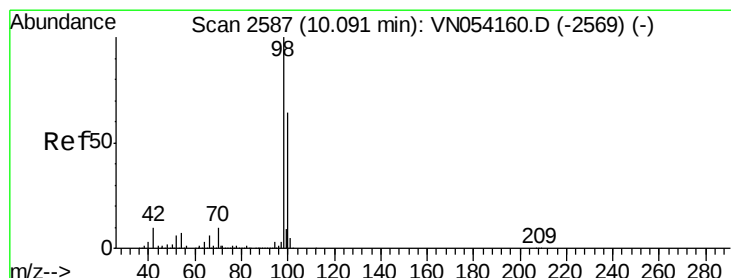
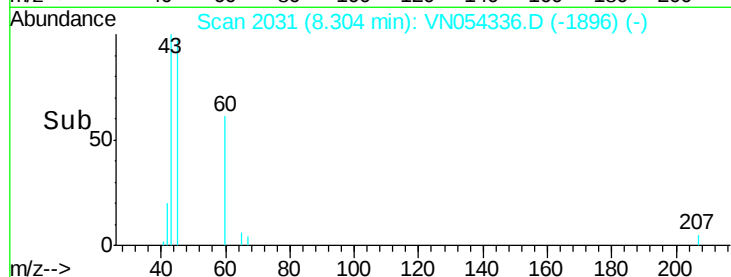
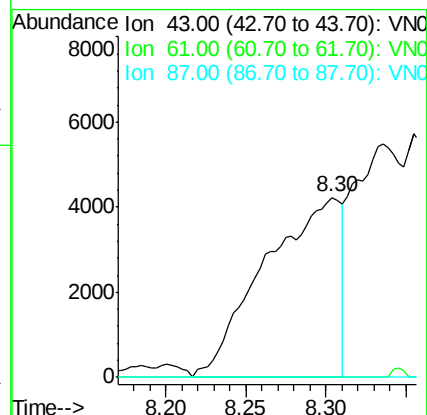
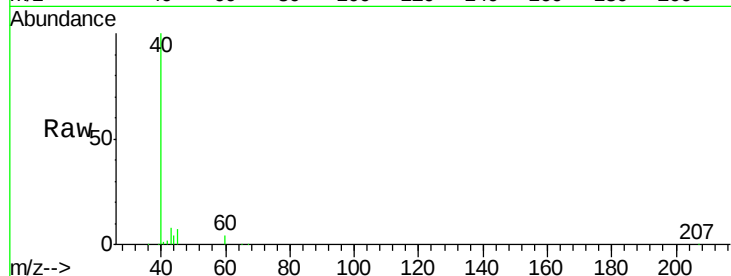
Tot Ion: 43 Resp: 13976

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

87 0.0 12.0 18.0#



#50

Toluene-d8

Concen: 48.105 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054336.D

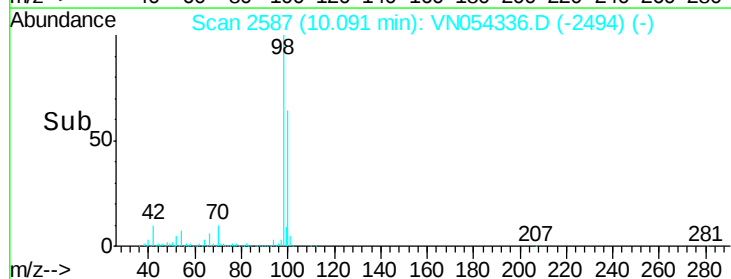
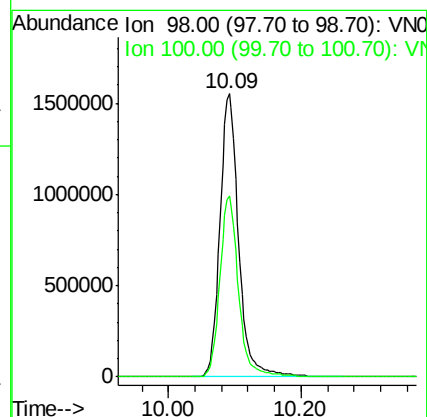
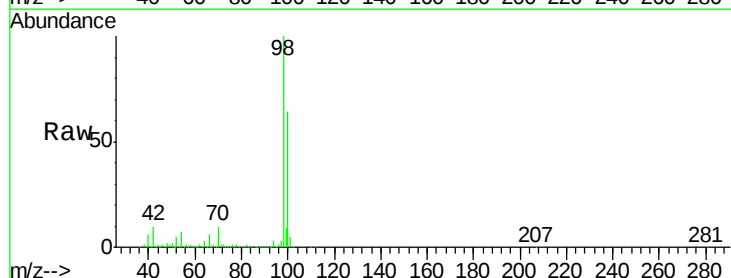
Acq: 16 Mar 2019 14:56

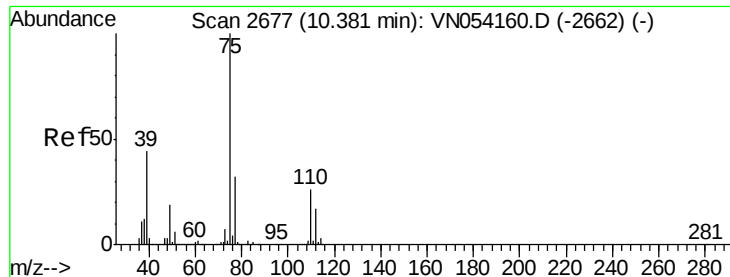
Tgt Ion: 98 Resp: 3037532

Ion Ratio Lower Upper

98 100

100 63.7 51.2 76.8





#53

t-1,3-Dichloropropene

Concen: 1.989 ug/l

RT: 10.39 min Scan# 2679

Delta R.T. 0.01 min

Lab File: VN054336.D

Acq: 16 Mar 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

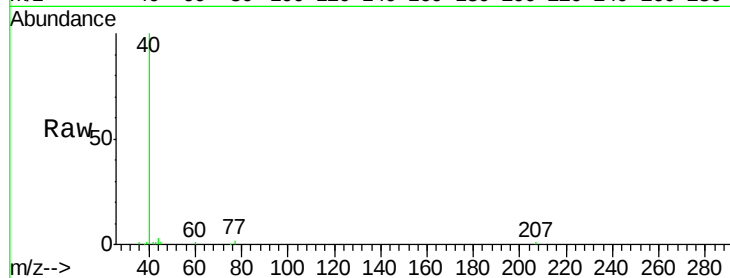
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 75 Resp: 95

Ion Ratio Lower Upper

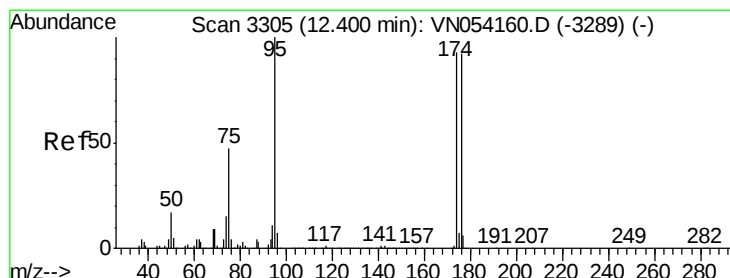
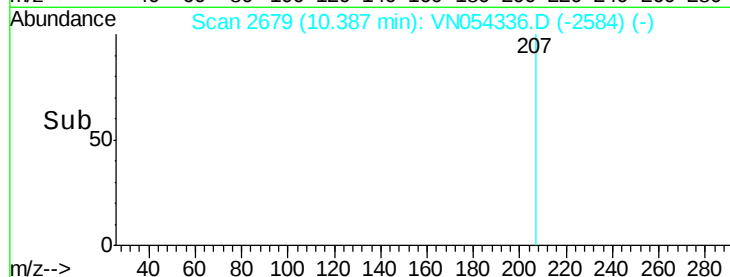
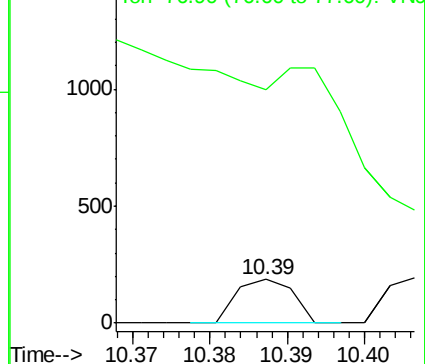
75 100

77 52.2 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#62

4-Bromofluorobenzene

Concen: 39.951 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054336.D

Acq: 16 Mar 2019 14:56

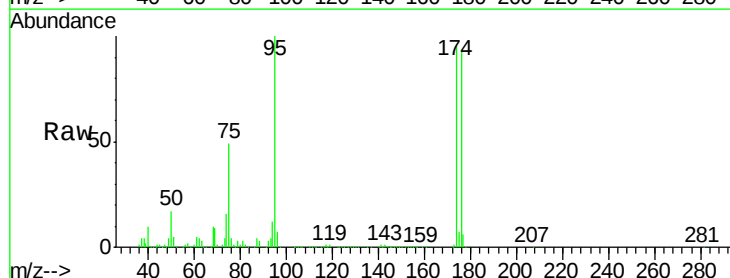
Tgt Ion: 95 Resp: 882667

Ion Ratio Lower Upper

95 100

174 96.1 0.0 191.0

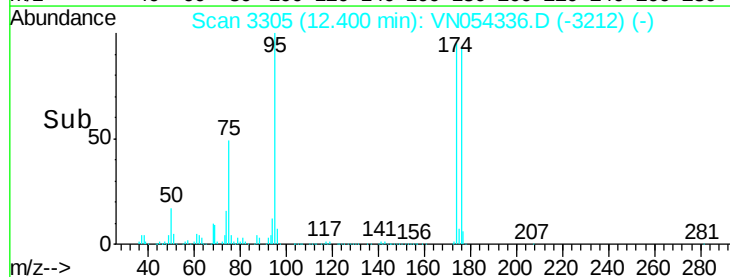
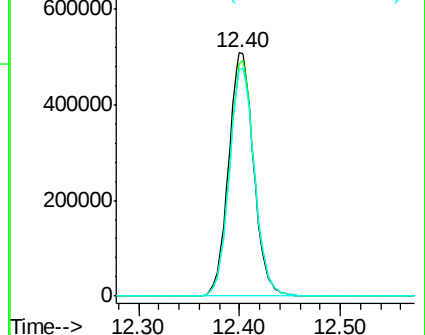
176 94.0 0.0 187.4

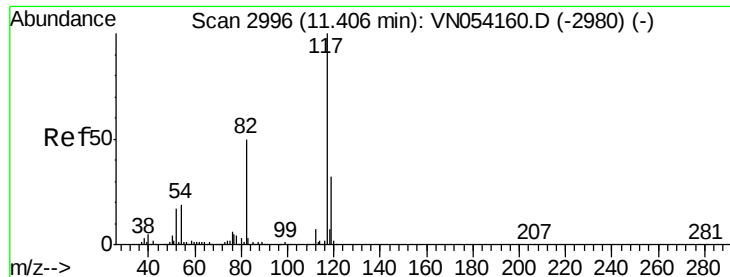


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

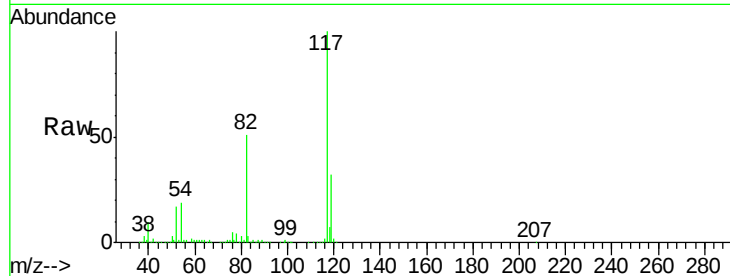




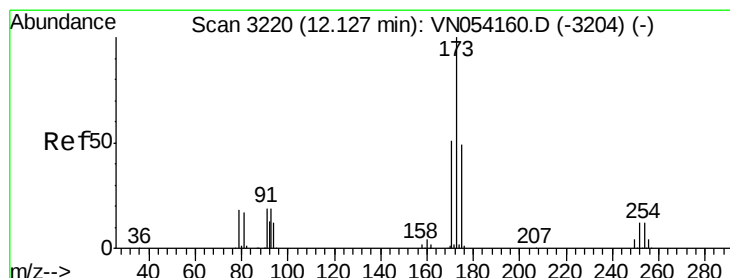
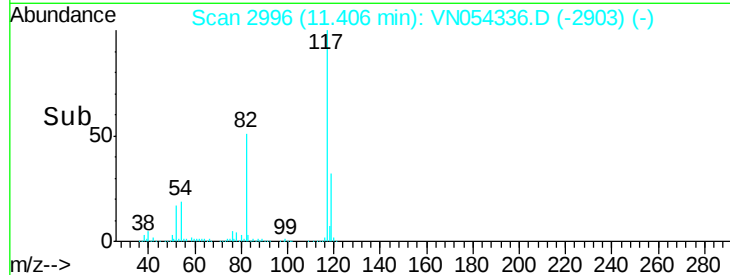
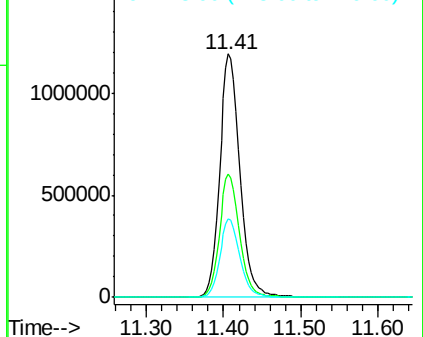
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054336.D
Acq: 16 Mar 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:117 Resp: 2175796
Ion Ratio Lower Upper
117 100
82 50.7 40.0 60.0
119 32.1 25.8 38.6

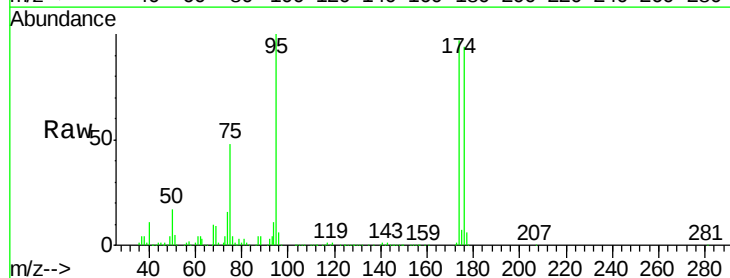


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

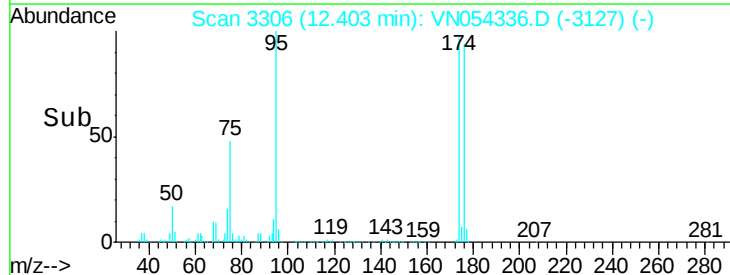
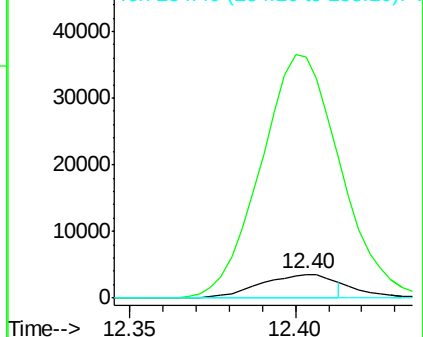


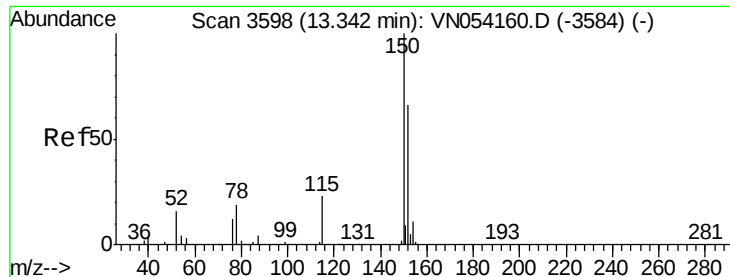
#71
Bromoform
Concen: 2.737 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054336.D
Acq: 16 Mar 2019 14:56

Tgt Ion:173 Resp: 5364
Ion Ratio Lower Upper
173 100
175 988.5 24.4 73.2#
254 0.0 0.1 0.1#



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054336.D

Acq: 16 Mar 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

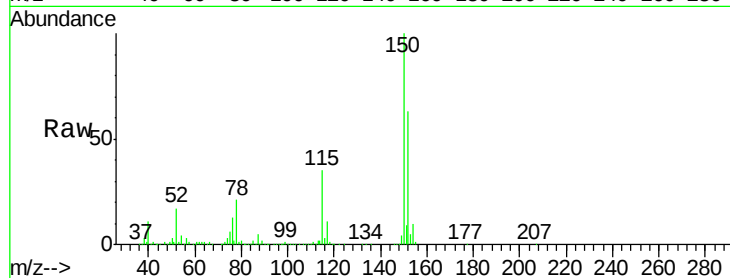
Tot Ion:152 Resp: 753357

Ion Ratio Lower Upper

152 100

115 54.9 27.2 81.6

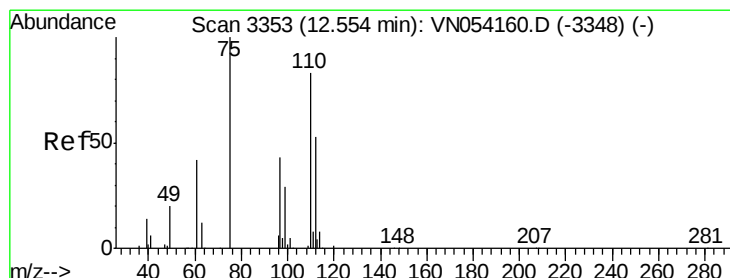
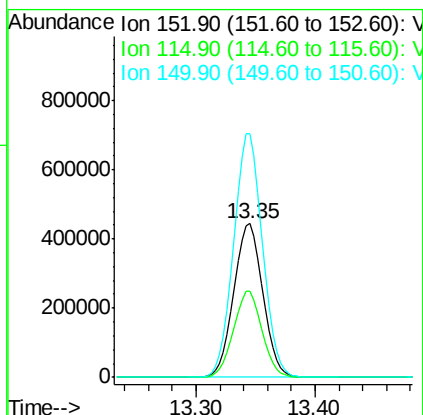
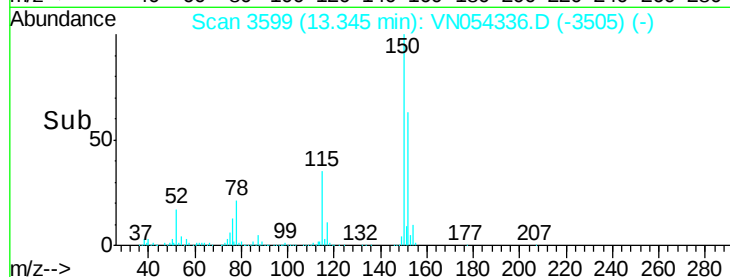
150 156.8 0.0 349.2



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



#76

1,2,3-Trichloropropane

Concen: 38.353 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054336.D

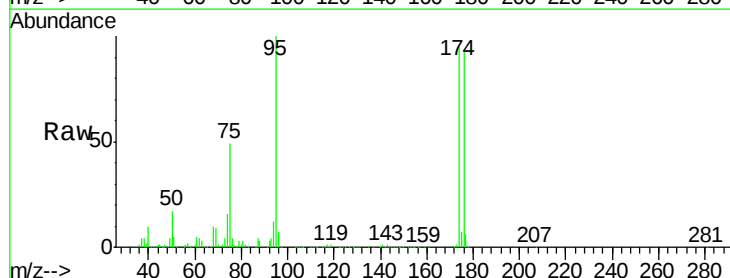
Acq: 16 Mar 2019 14:56

Tgt Ion: 75 Resp: 424897

Ion Ratio Lower Upper

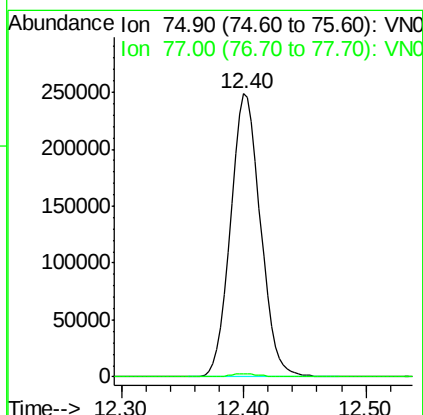
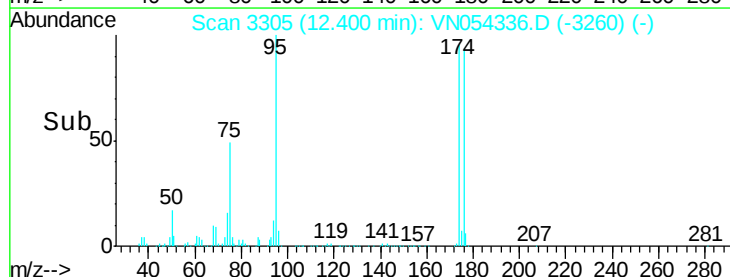
75 100

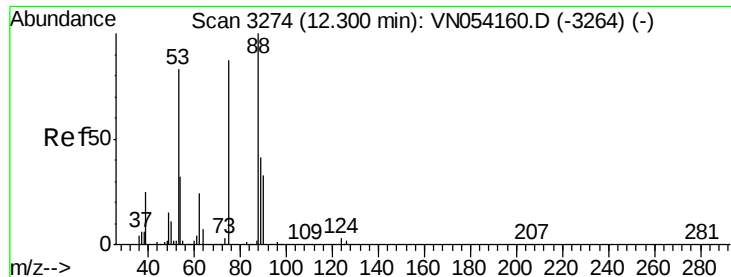
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 131.109 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054336.D

Acq: 16 Mar 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

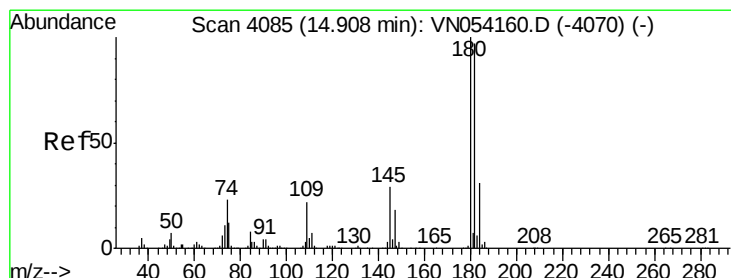
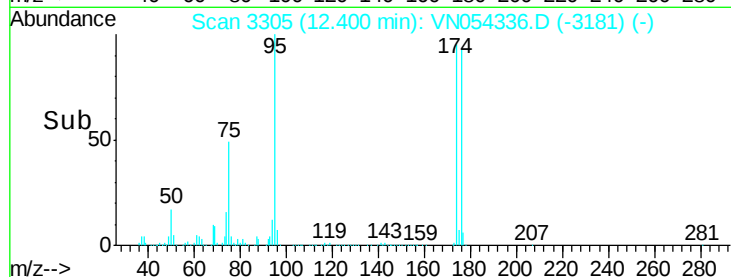
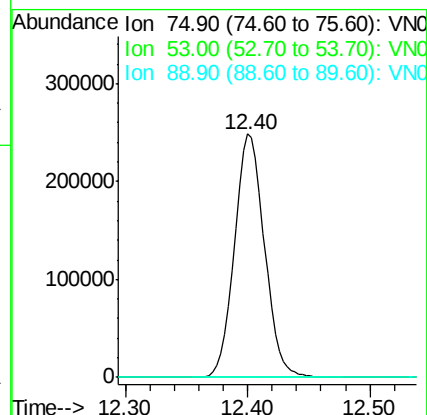
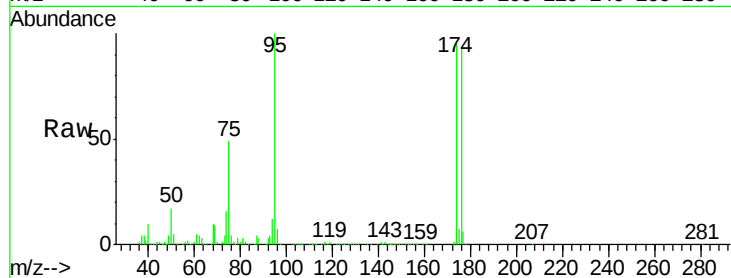
Tot Ion: 75 Resp: 424897

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



#93

1,2,4-Trichlorobenzene

Concen: 2.562 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN054336.D

Acq: 16 Mar 2019 14:56

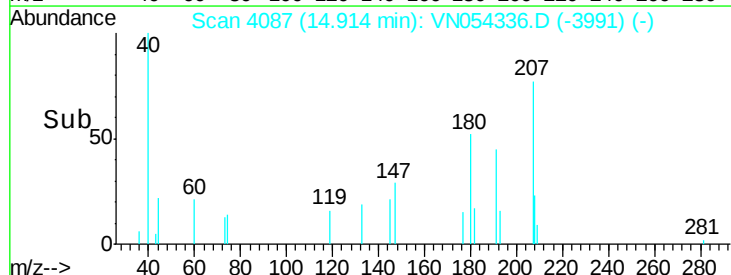
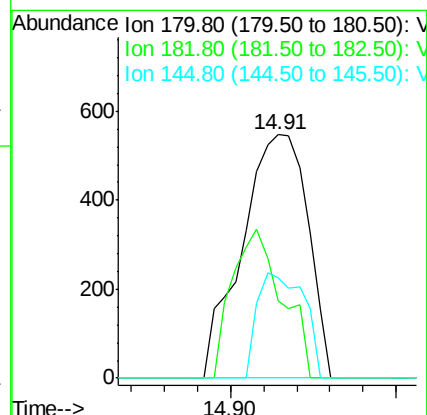
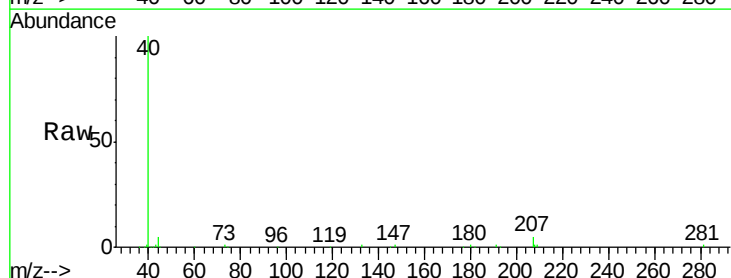
Tgt Ion: 180 Resp: 756

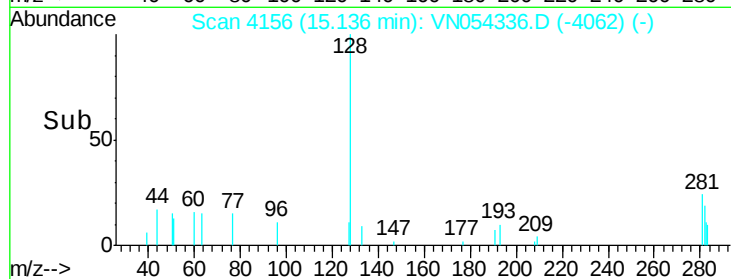
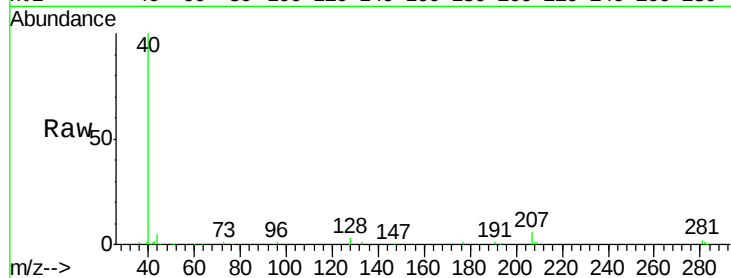
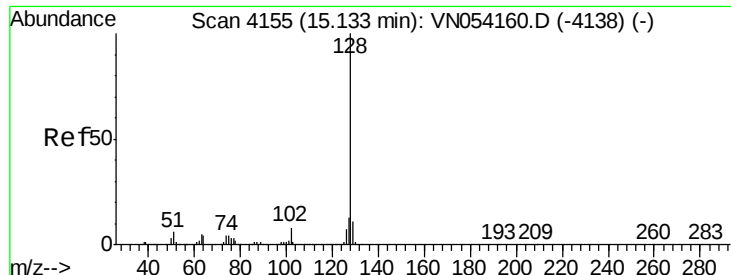
Ion Ratio Lower Upper

180 100

182 46.3 48.0 144.2#

145 30.6 14.2 42.8





#95

Naphthalene

Concen: 3.552 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN054336.D

Acq: 16 Mar 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

Tot Ion:128 Resp: 2937

Ion Ratio Lower Upper

128 100

127 7.9 10.1 15.1#

129 2.2 8.7 13.1#

