

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060419\
 Data File : VN055988.D
 Acq On : 4 Jun 2019 13:59
 Operator : JC/SP
 Sample : K3097-08
 Misc : 5.06µ/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 0428-HR-8(HACKENSACK)

Quant Time: Jun 05 01:14:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	323046	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	483144	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	441463	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	181757	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	158416	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
35) Dibromofluoromethane	7.59	113	133429	45.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.02%	
50) Toluene-d8	10.09	98	568197	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
62) 4-Bromofluorobenzene	12.40	95	190796	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	

Target Compounds

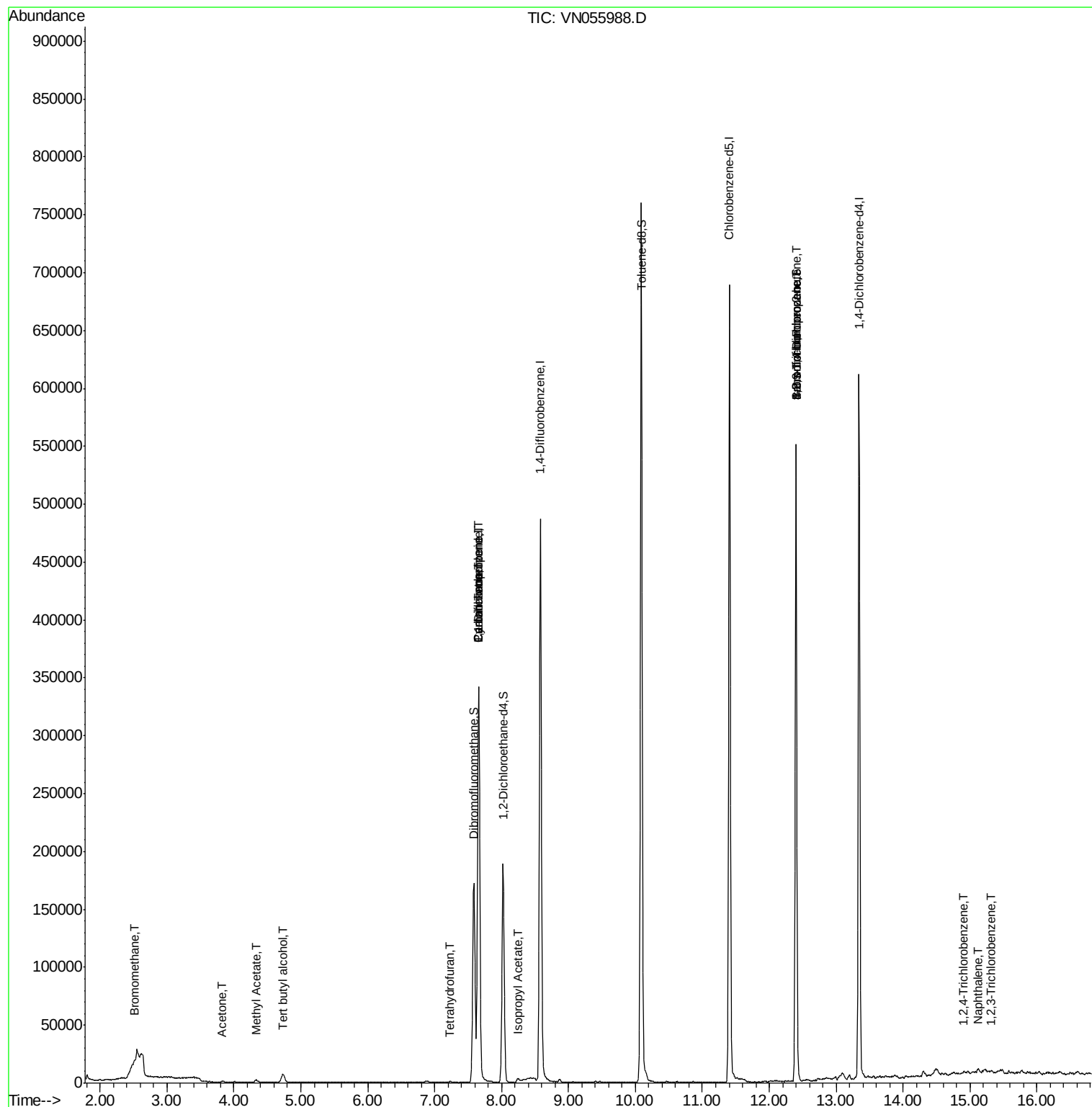
						Qvalue
5) Bromomethane	2.51	94	584	0.263	ug/l #	72
11) Tert butyl alcohol	4.73	59	7094	12.709	ug/l #	74
16) Acetone	3.83	43	494	0.322	ug/l #	77
18) Methyl Acetate	4.33	43	4199	0.825	ug/l	93
29) Tetrahydrofuran	7.22	42	464	0.387	ug/l #	43
31) Cyclohexane	7.66	56	4424	0.869	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	18222	4.386	ug/l #	45
38) Carbon Tetrachloride	7.66	117	25956	6.777	ug/l #	14
43) Isopropyl Acetate	8.24	43	1459	0.244	ug/l #	53
71) Bromoform	12.40	173	370	2.879	ug/l #	1
73) Isopropylbenzene	12.25	105	463	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	86205	25.776	ug/l #	100
79) 2-Chlorotoluene	12.67	91	476	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	86205	85.839	ug/l #	15
83) tert-Butylbenzene	12.98	119	133	Below Cal	#	18
93) 1,2,4-Trichlorobenzene	14.91	180	604	4.435	ug/l #	88
95) Naphthalene	15.13	128	3181	4.189	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.31	180	484	3.164	ug/l #	73

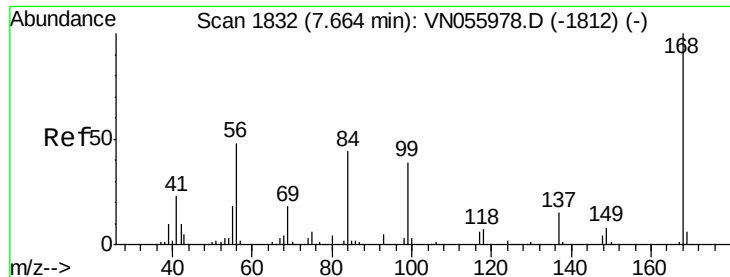
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.01 min

Lab File: VN055988.D

Acq: 4 Jun 2019 13:59

Instrument :

MSVOA_N

ClientSampleId :

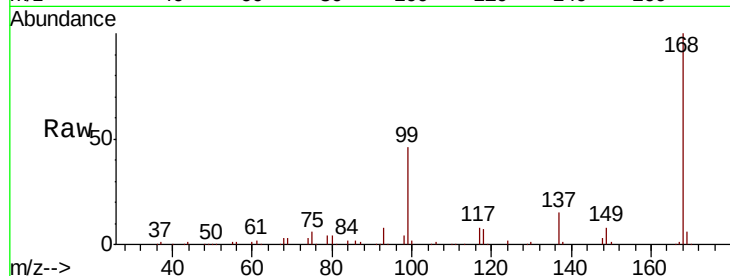
0428-HR-8(HACKENSACK)

Tot Ion:168 Resp: 323046

Ion Ratio Lower Upper

168 100

99 46.1 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.66

150000

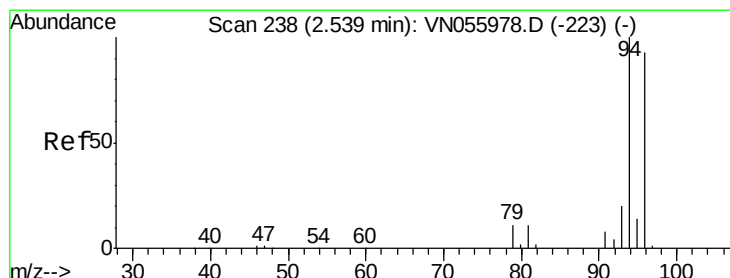
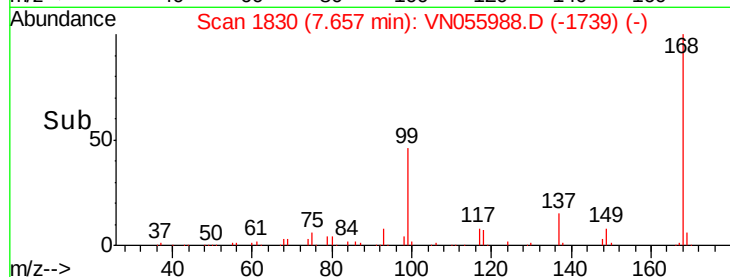
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#5

Bromomethane

Concen: 0.263 ug/l

RT: 2.51 min Scan# 229

Delta R.T. -0.03 min

Lab File: VN055988.D

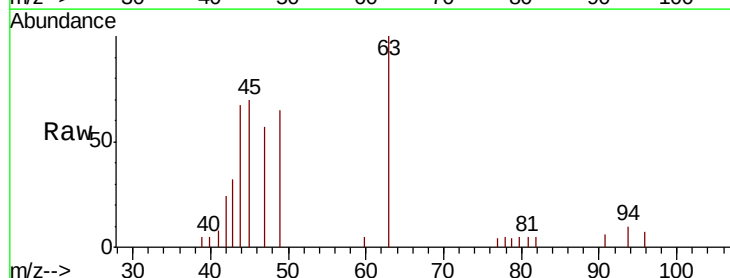
Acq: 4 Jun 2019 13:59

Tgt Ion: 94 Resp: 584

Ion Ratio Lower Upper

94 100

96 67.1 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VN055978.D (-223) (-)

Ion 95.90 (95.60 to 96.60): VN055978.D (-223) (-)

2.51

400

300

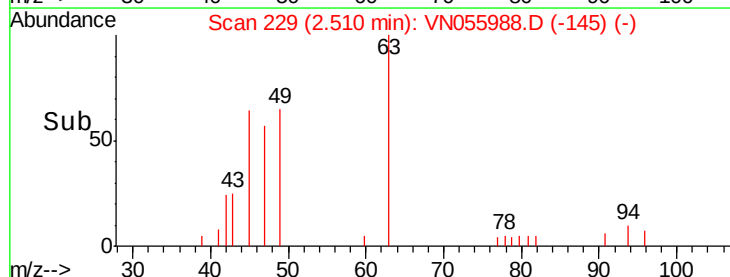
200

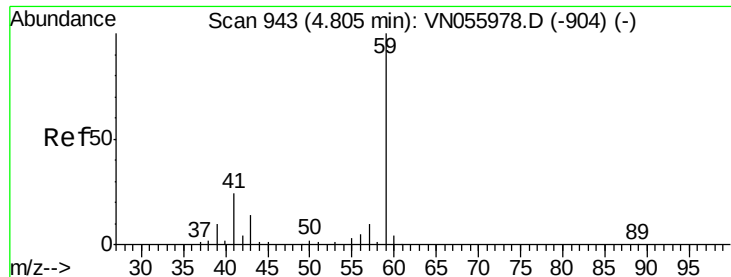
100

0

2.48 2.50 2.52 2.54

Time-->

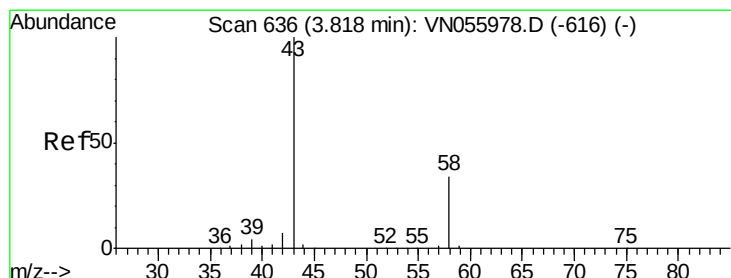
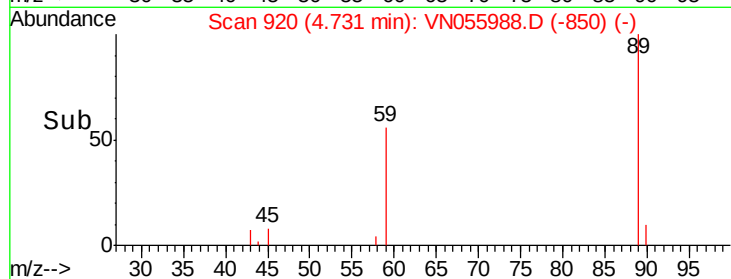
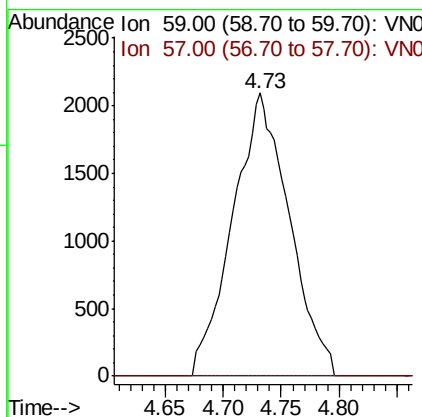
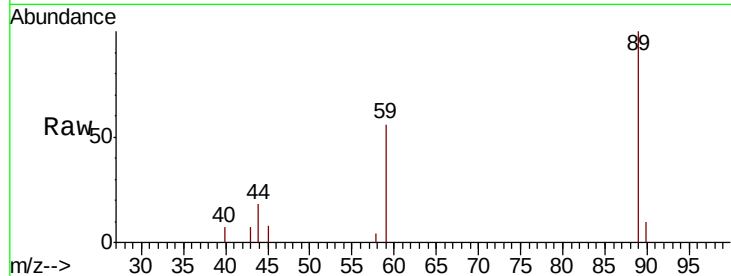




#11
 Tert butyl alcohol
 Concen: 12.709 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. -0.07 min
 Lab File: VN055988.D
 Acq: 4 Jun 2019 13:59

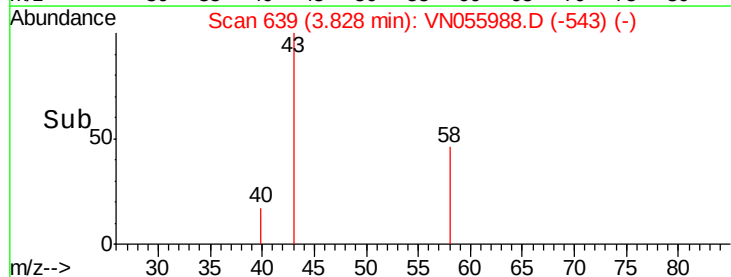
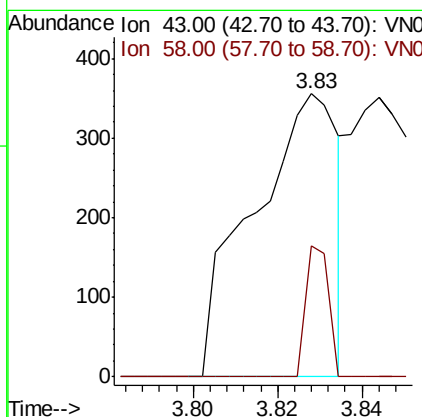
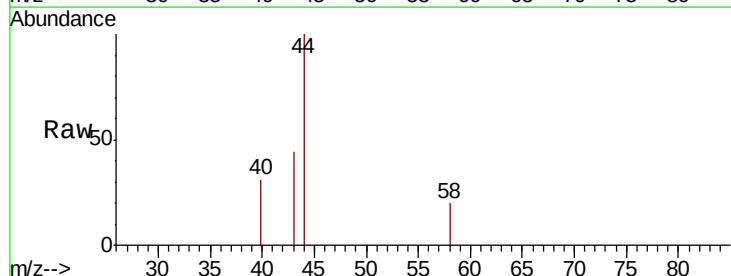
Instrument :
 MSVOA_N
 ClientSampleId :
 0428-HR-8(HACKENSACK)

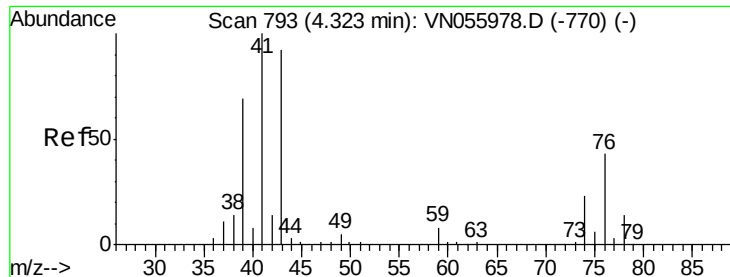
Tot Ion: 59 Resp: 7094
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#



#16
 Acetone
 Concen: 0.322 ug/l
 RT: 3.83 min Scan# 639
 Delta R.T. 0.01 min
 Lab File: VN055988.D
 Acq: 4 Jun 2019 13:59

Tgt Ion: 43 Resp: 494
 Ion Ratio Lower Upper
 43 100
 58 46.3 26.6 39.8#

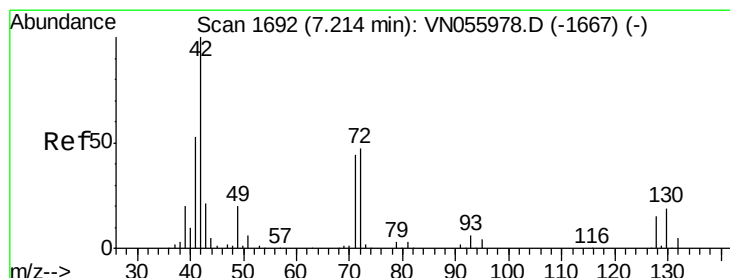
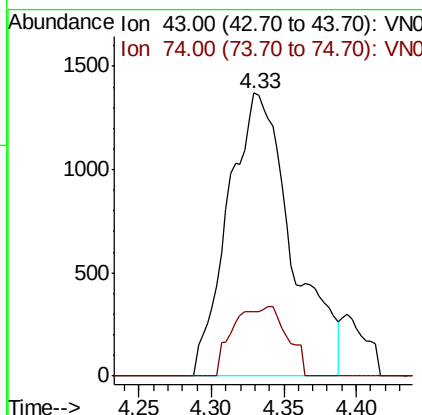
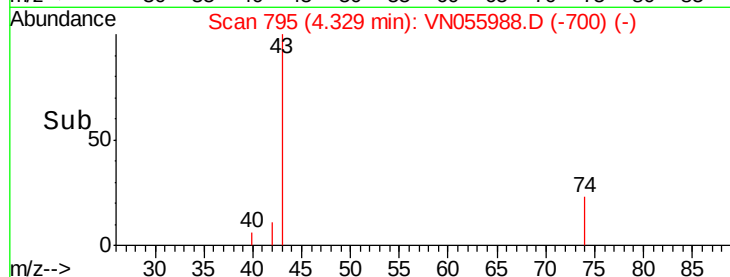
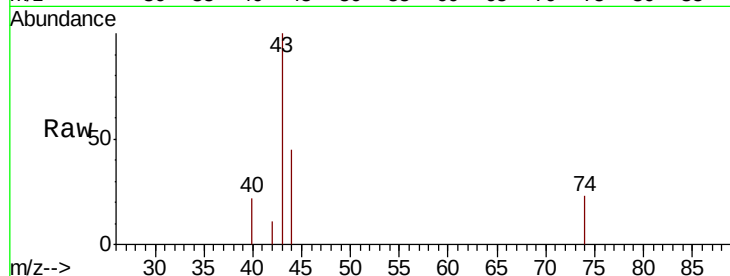




#18
Methvl Acetate
Concen: 0.825 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN055988.D
Acq: 4 Jun 2019 13:59

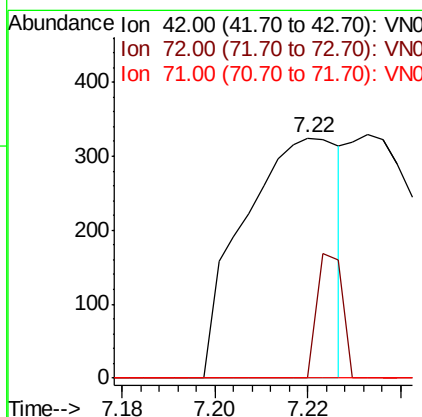
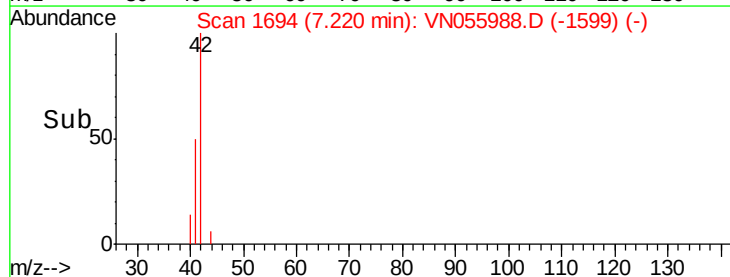
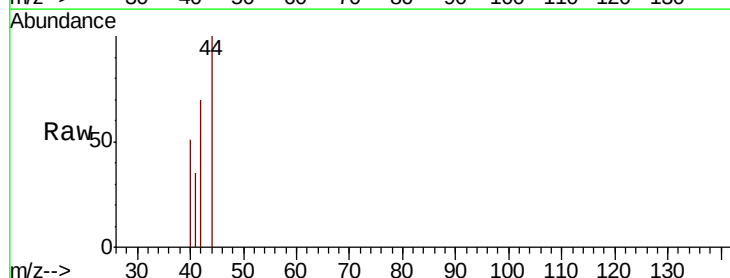
Instrument :
MSVOA_N
ClientSampleId :
0428-HR-8(HACKENSACK)

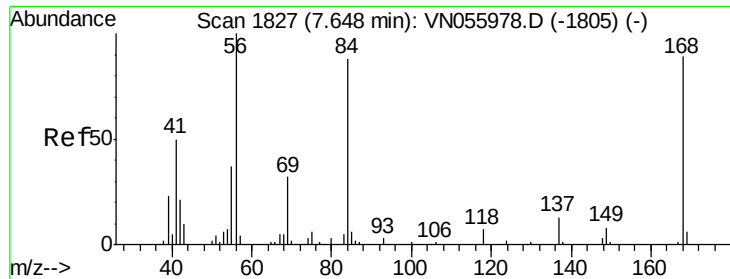
Tot Ion: 43 Resp: 4199
Ion Ratio Lower Upper
43 100
74 20.8 19.3 28.9



#29
Tetrahydrofuran
Concen: 0.387 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN055988.D
Acq: 4 Jun 2019 13:59

Tgt Ion: 42 Resp: 464
Ion Ratio Lower Upper
42 100
72 13.6 35.9 53.9#
71 0.0 34.0 51.0#

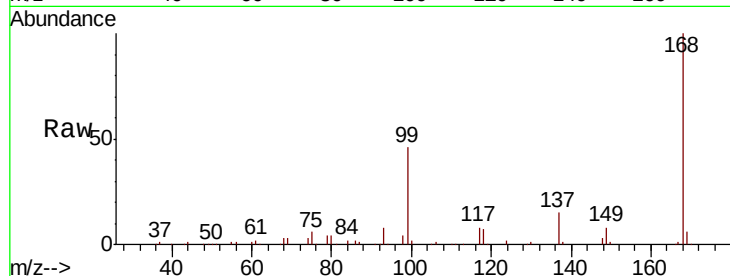




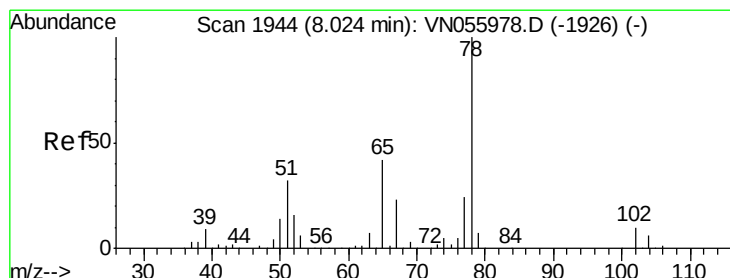
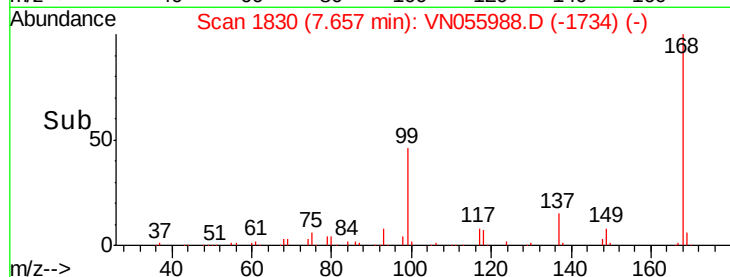
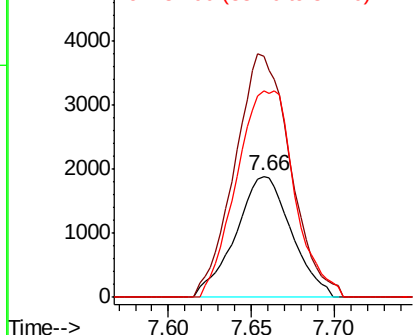
#31
Cyclohexane
Concen: 0.869 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN055988.D
Acq: 4 Jun 2019 13:59

Instrument :
MSVOA_N
ClientSampleId :
0428-HR-8(HACKENSACK)

Tot Ion: 56 Resp: 4424
Ion Ratio Lower Upper
56 100
69 198.9 25.6 38.4#
84 170.2 67.4 101.0#

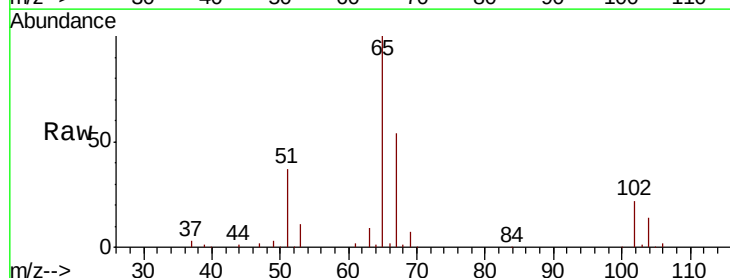


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

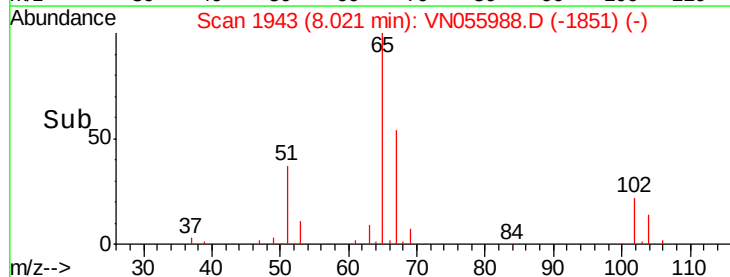
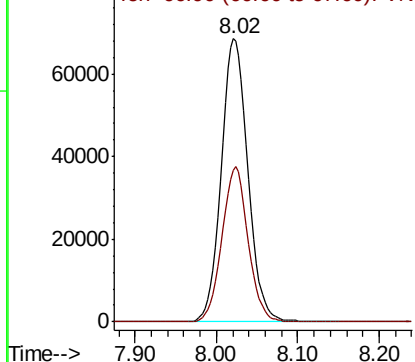


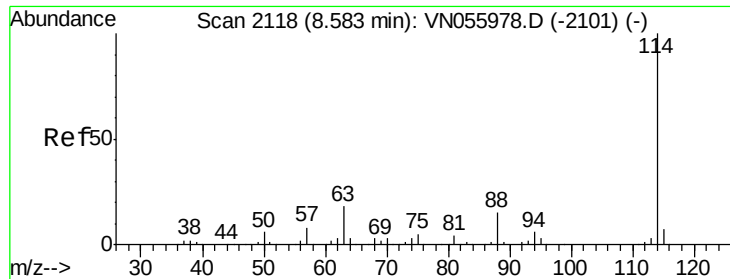
#33
1,2-Dichloroethane-d4
Concen: 49.388 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN055988.D
Acq: 4 Jun 2019 13:59

Tgt Ion: 65 Resp: 158416
Ion Ratio Lower Upper
65 100
67 53.8 0.0 109.2



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

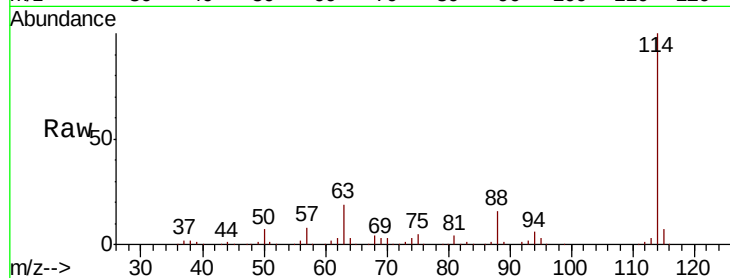




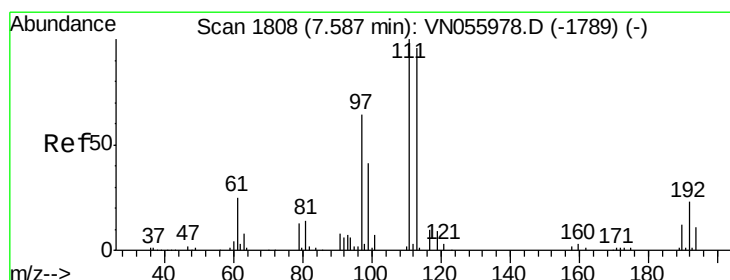
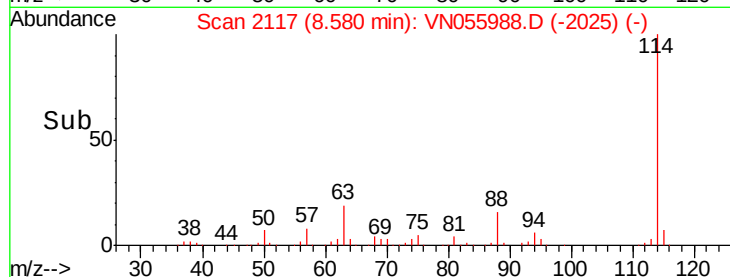
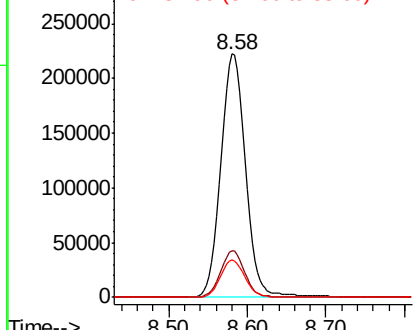
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2117
Delta R.T. -0.00 min
Lab File: VN055988.D
Acq: 4 Jun 2019 13:59

Instrument :
MSVOA_N
ClientSampleId :
0428-HR-8(HACKENSACK)

Tot Ion:114 Resp: 483144
Ion Ratio Lower Upper
114 100
63 19.2 0.0 39.2
88 15.5 0.0 31.0

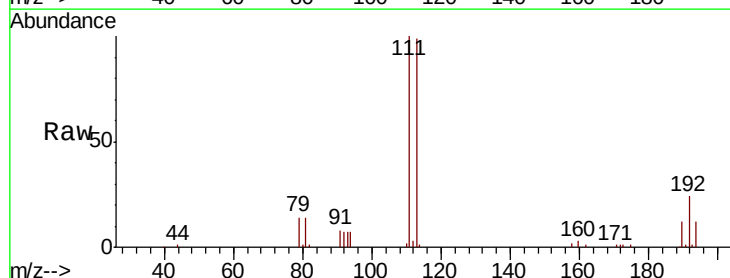


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

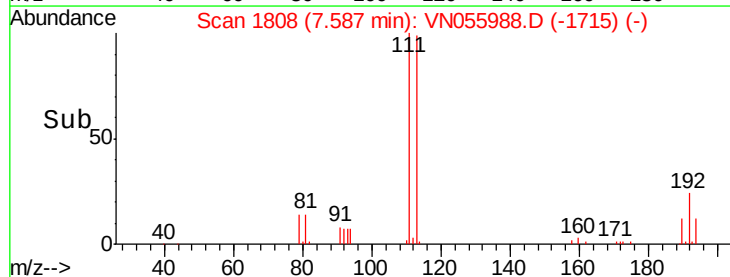
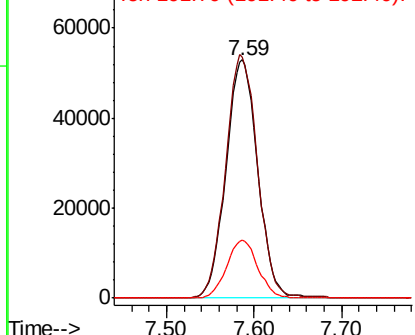


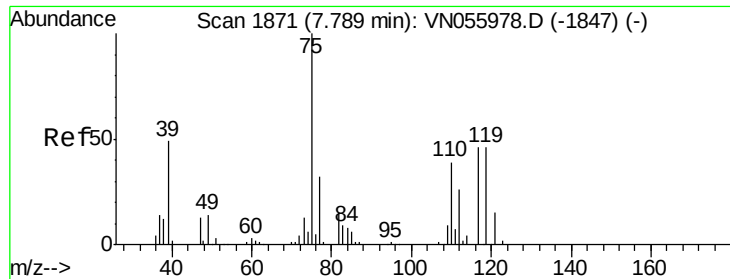
#35
Dibromofluoromethane
Concen: 45.013 ug/l
RT: 7.59 min Scan# 1808
Delta R.T. -0.00 min
Lab File: VN055988.D
Acq: 4 Jun 2019 13:59

Tgt Ion:113 Resp: 133429
Ion Ratio Lower Upper
113 100
111 102.3 81.9 122.9
192 23.8 19.5 29.3



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: 4.386 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN055988.D

Acq: 4 Jun 2019 13:59

Instrument :

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ClientSampleId :

0428-HR-8(HACKENSACK)

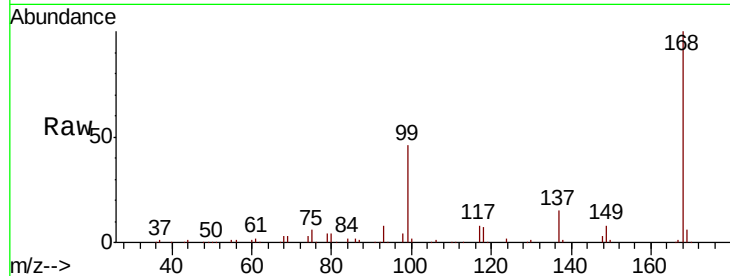
Tot Ion: 75 Resp: 18222

Ion Ratio Lower Upper

75 100

110 5.4 19.0 57.0#

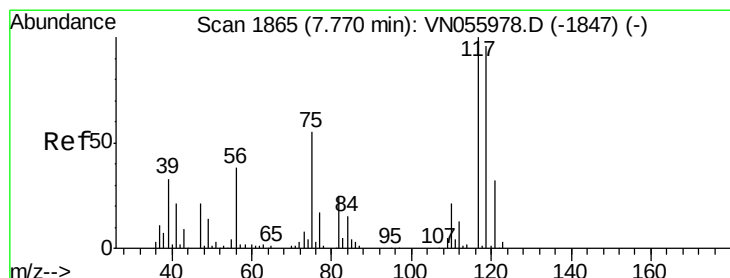
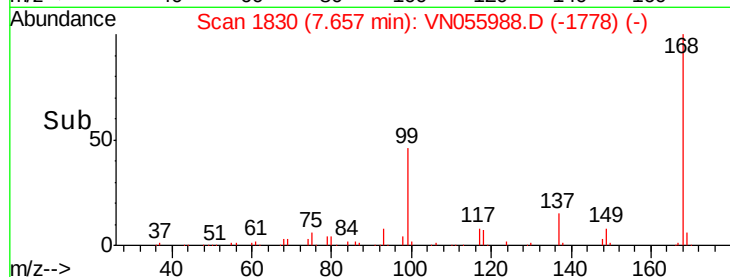
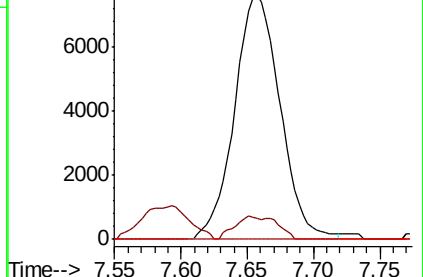
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-1847) (-)

Ion 109.90 (109.60 to 110.60): VN055978.D (-1847) (-)

Ion 76.90 (76.60 to 77.60): VN055978.D (-1847) (-)



#38

Carbon Tetrachloride

Concen: 6.777 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN055988.D

Acq: 4 Jun 2019 13:59

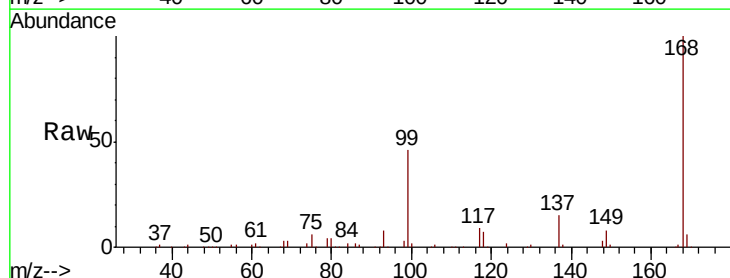
Tgt Ion: 117 Resp: 25956

Ion Ratio Lower Upper

117 100

119 4.6 79.0 118.6#

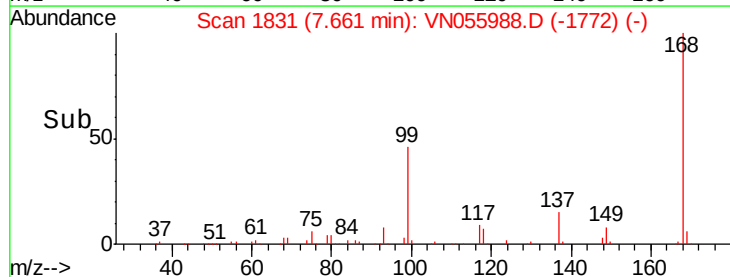
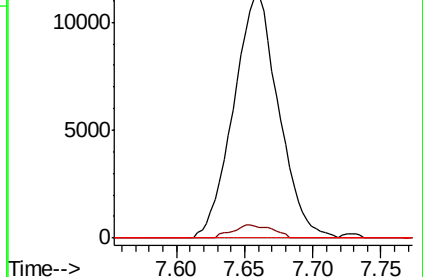
121 0.0 24.7 37.1#

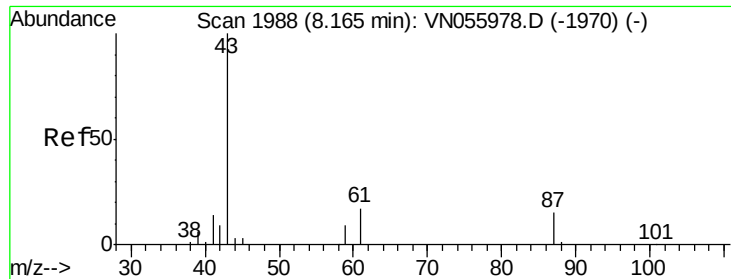


Abundance Ion 116.80 (116.50 to 117.50): VN055978.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN055978.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN055978.D (-1847) (-)





#43

Isopropyl Acetate

Concen: 0.244 ug/l

RT: 8.24 min Scan# 2010

Delta R.T. 0.07 min

Lab File: VN055988.D

Acq: 4 Jun 2019 13:59

Instrument :

MSVOA_N

ClientSampleId :

0428-HR-8(HACKENSACK)

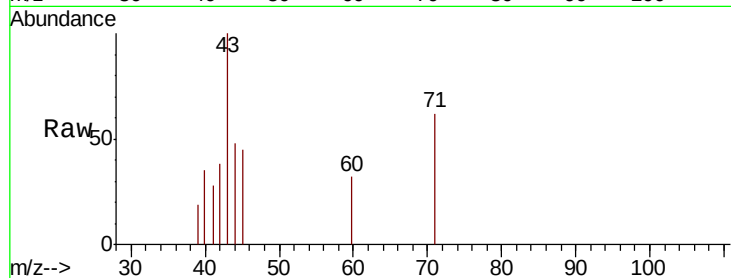
Tot Ion: 43 Resp: 1459

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

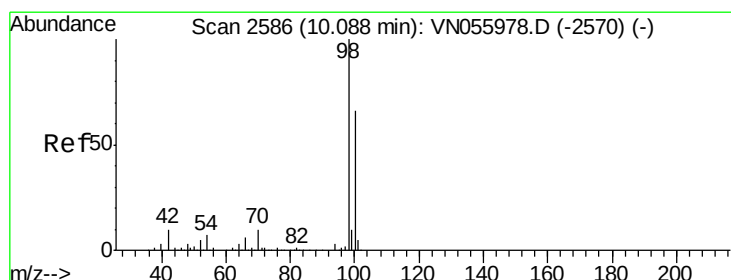
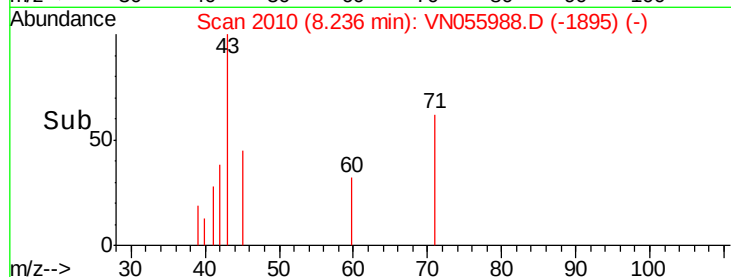
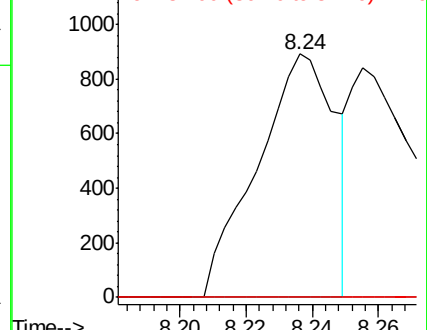
87 0.0 11.4 17.2#



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: 49.814 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055988.D

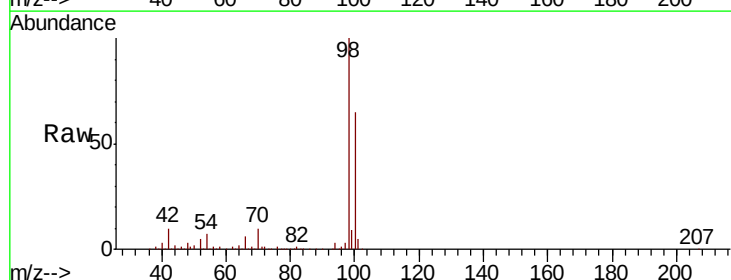
Acq: 4 Jun 2019 13:59

Tgt Ion: 98 Resp: 568197

Ion Ratio Lower Upper

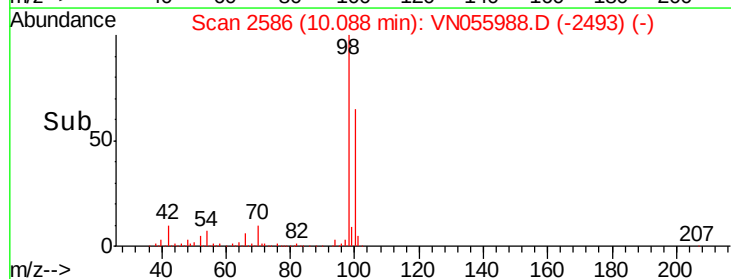
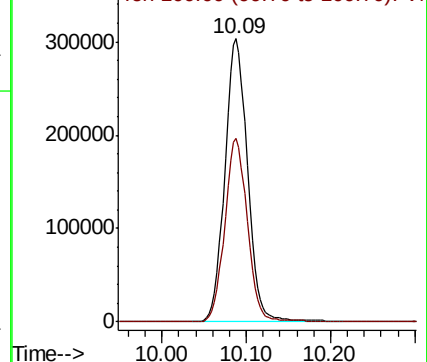
98 100

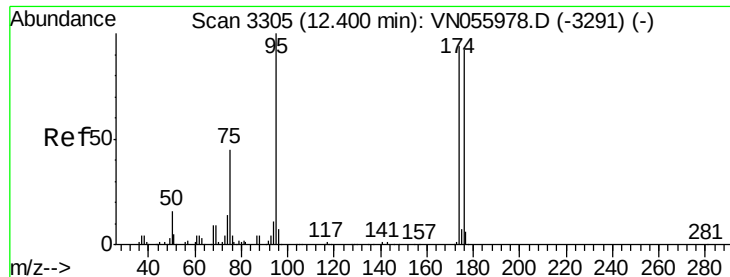
100 64.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 49.186 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055988.D

Acq: 4 Jun 2019 13:59

Instrument :

MSVOA_N

ClientSampleId :

0428-HR-8(HACKENSACK)

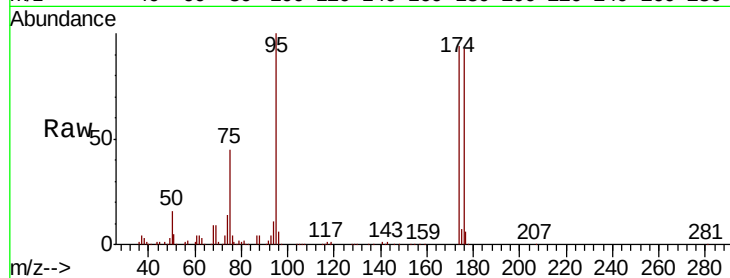
Tot Ion: 95 Resp: 190796

Ion Ratio Lower Upper

95 100

174 94.5 0.0 191.0

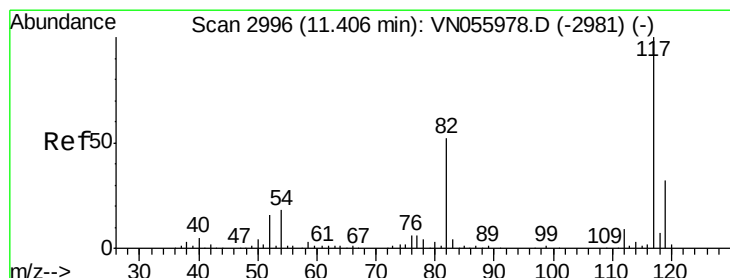
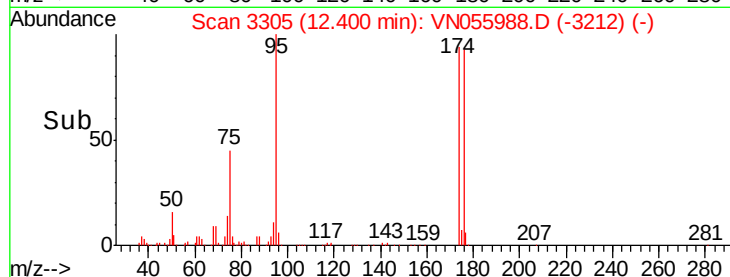
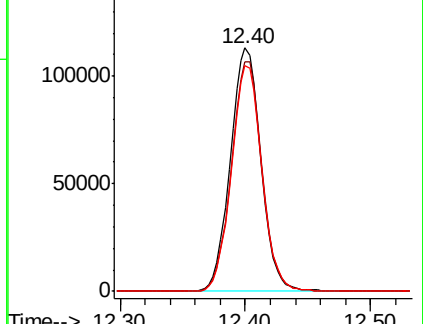
176 92.4 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055988.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN055988.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN055988.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN055988.D

Acq: 4 Jun 2019 13:59

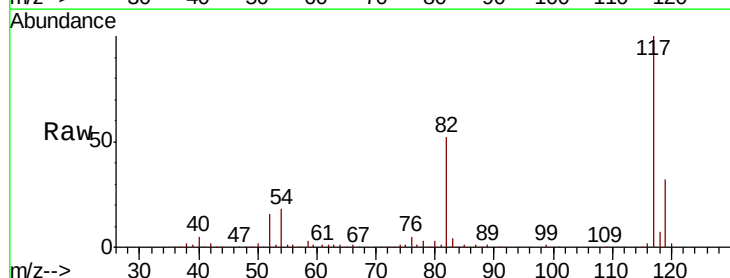
Tgt Ion: 117 Resp: 441463

Ion Ratio Lower Upper

117 100

82 52.2 41.8 62.8

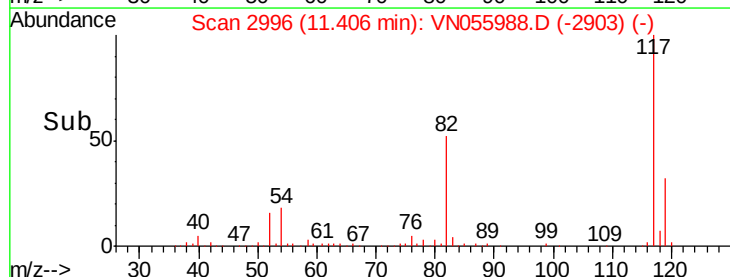
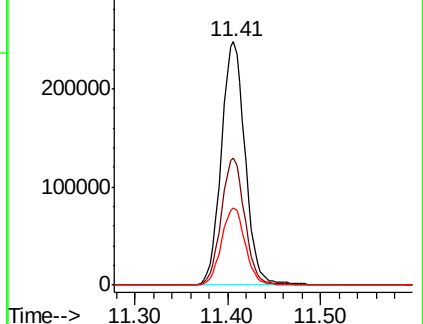
119 31.8 25.4 38.0

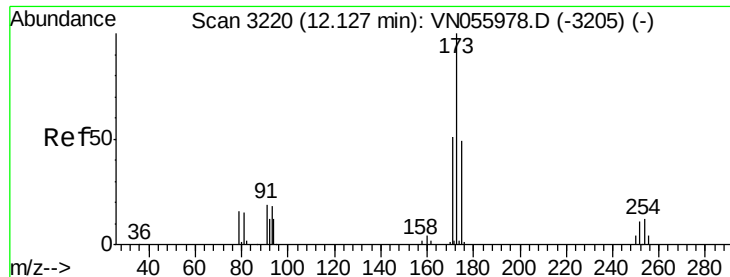


Abundance Ion 116.90 (116.60 to 117.60): VN055988.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN055988.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN055988.D (-2903) (-)





#71

Bromoform

Concen: 2.879 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN055988.D

Acq: 4 Jun 2019 13:59

Instrument :

MSVOA_N

ClientSampleId :

0428-HR-8(HACKENSACK)

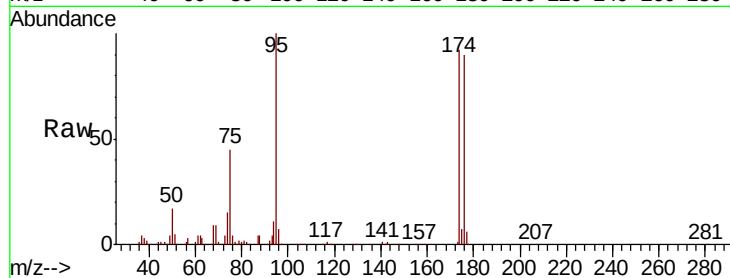
Tot Ion:173 Resp: 370

Ion Ratio Lower Upper

173 100

175 3206.2 24.3 72.8#

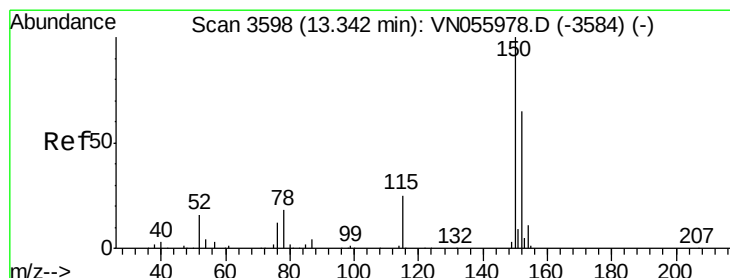
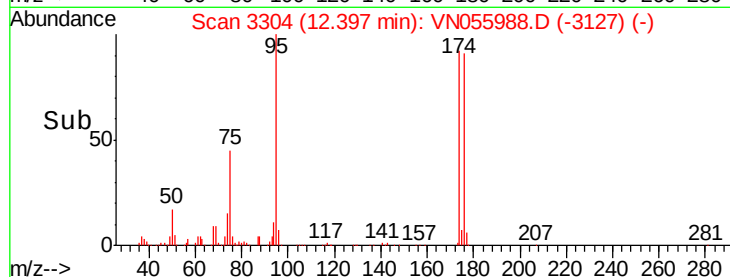
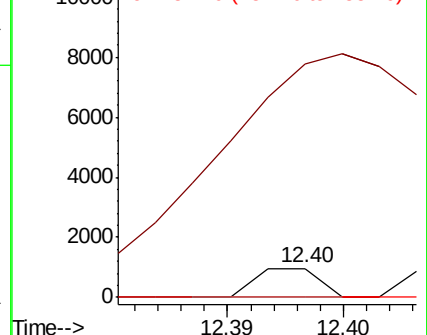
254 0.0 0.0 0.0



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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055988.D

Acq: 4 Jun 2019 13:59

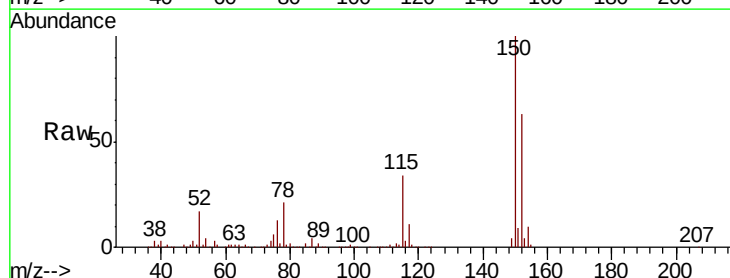
Tgt Ion:152 Resp: 181757

Ion Ratio Lower Upper

152 100

115 53.5 27.0 81.0

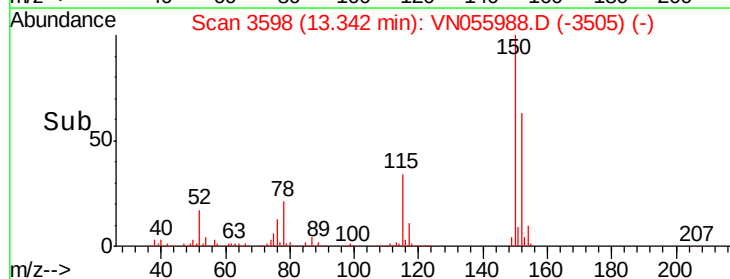
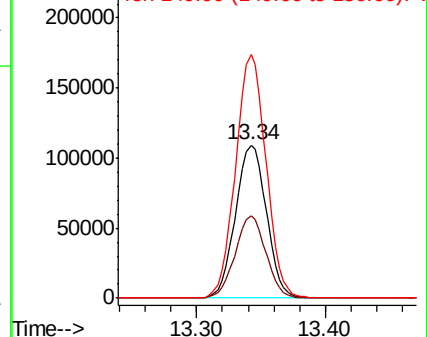
150 156.7 0.0 343.2

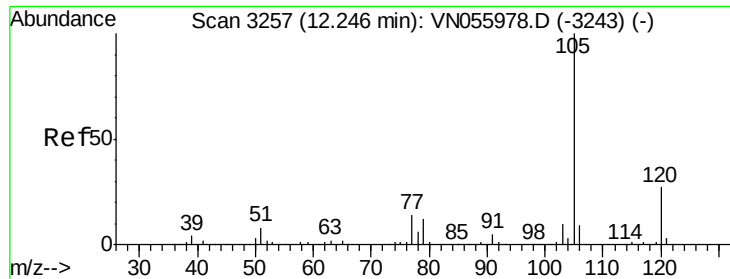


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3259

Delta R.T. 0.01 min

Lab File: VN055988.D

Acq: 4 Jun 2019 13:59

Instrument :

MSVOA_N

ClientSampleId :

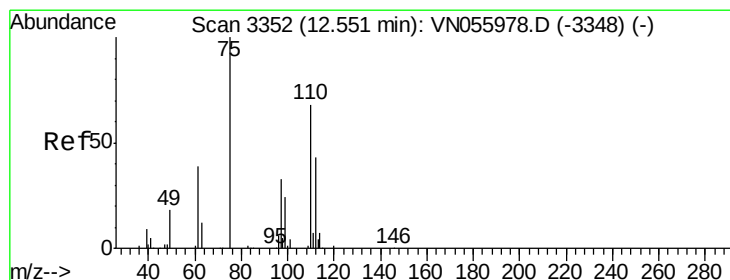
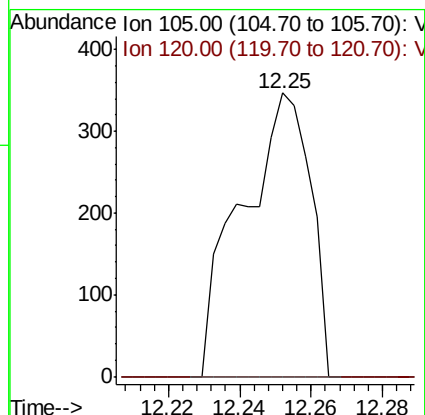
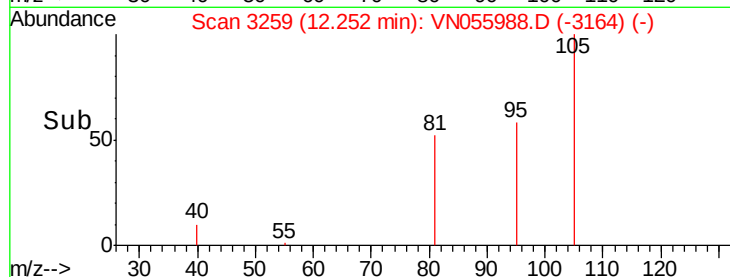
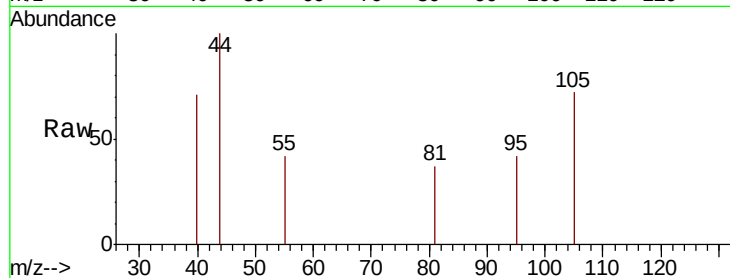
0428-HR-8(HACKENSACK)

Tot Ion: 105 Resp: 463

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



#76

1,2,3-Trichloropropane

Concen: 25.776 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055988.D

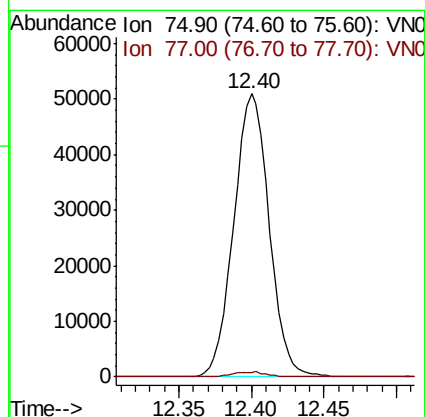
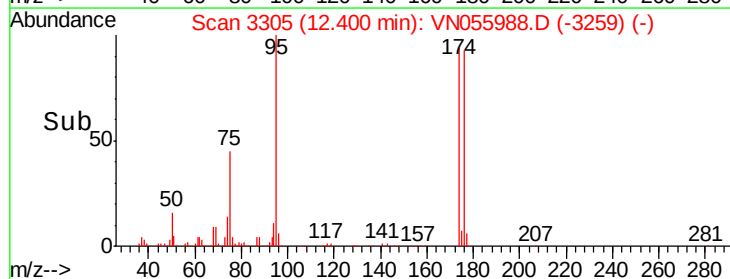
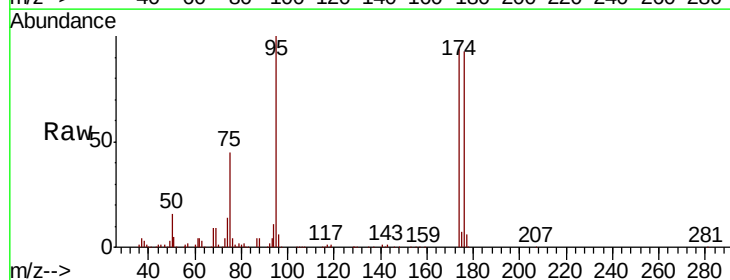
Acq: 4 Jun 2019 13:59

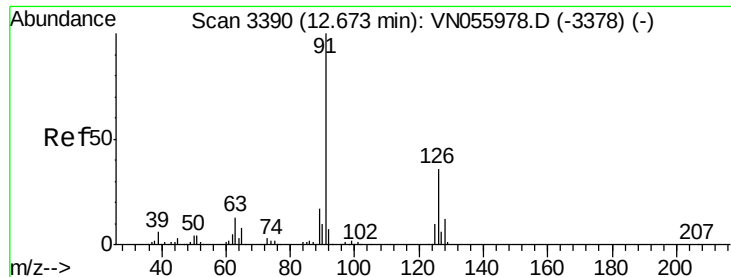
Tgt Ion: 75 Resp: 86205

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN055988.D

Acq: 4 Jun 2019 13:59

Instrument :

MSVOA_N

ClientSampleId :

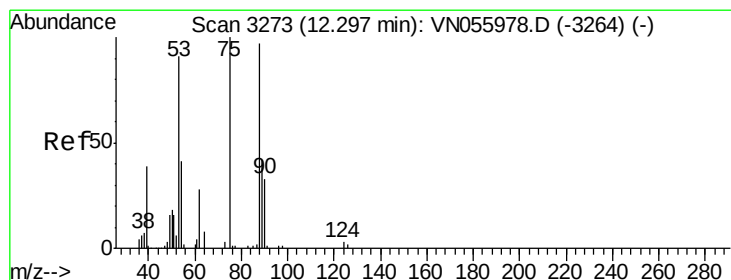
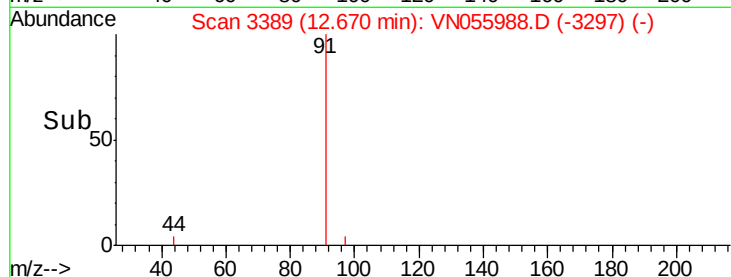
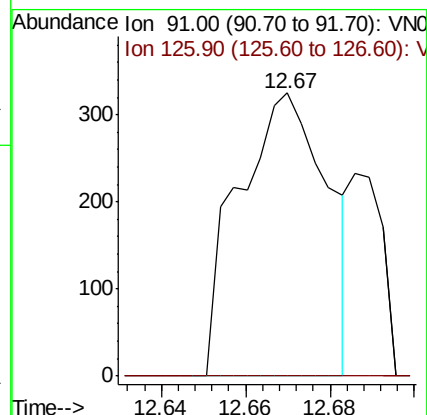
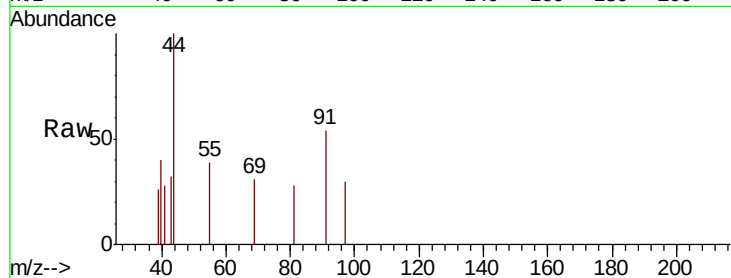
0428-HR-8(HACKENSACK)

Tot Ion: 91 Resp: 476

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 85.839 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055988.D

Acq: 4 Jun 2019 13:59

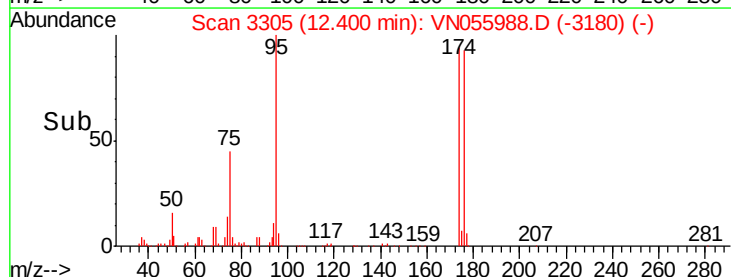
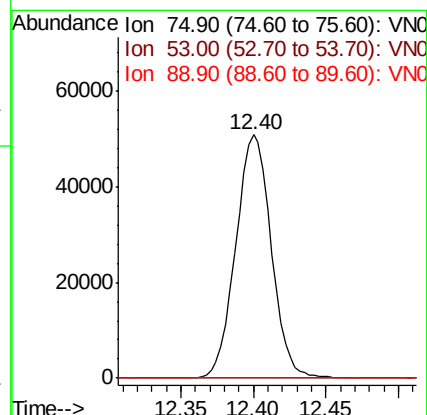
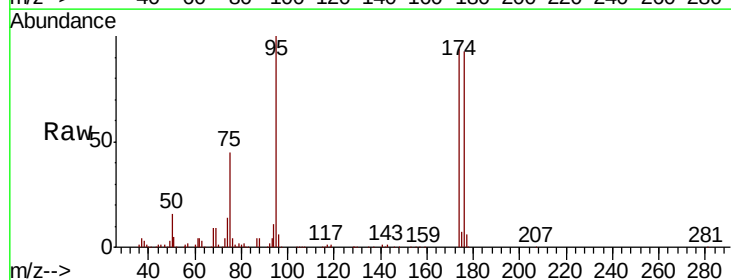
Tgt Ion: 75 Resp: 86205

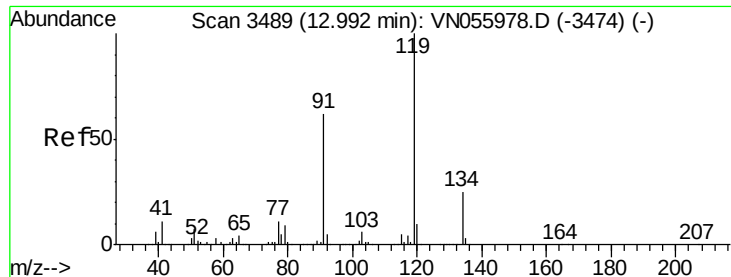
Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#





#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.98 min Scan# 3485

Delta R.T. -0.01 min

Lab File: VN055988.D

Acq: 4 Jun 2019 13:59

Instrument :

MSVOA_N

ClientSampleId :

0428-HR-8(HACKENSACK)

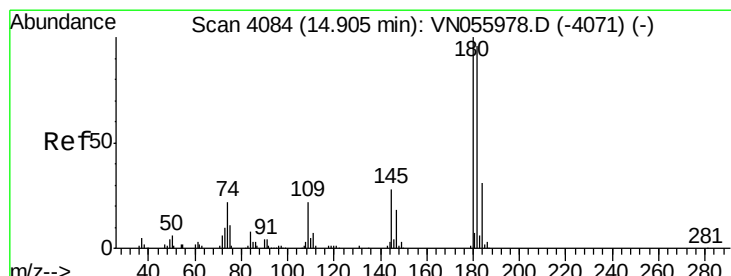
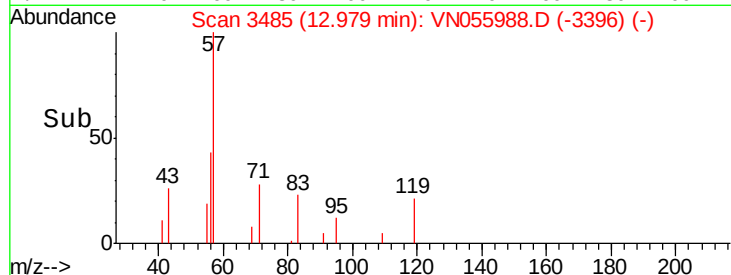
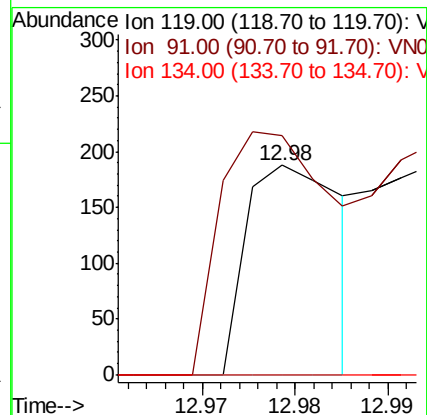
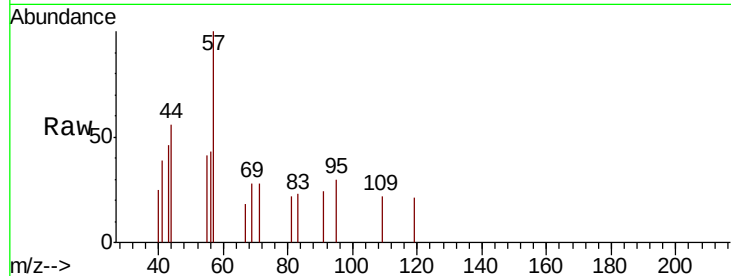
Tot Ion:119 Resp: 133

Ion Ratio Lower Upper

119 100

91 135.3 30.9 92.8#

134 0.0 13.3 39.8#



#93

1,2,4-Trichlorobenzene

Concen: 4.435 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.01 min

Lab File: VN055988.D

Acq: 4 Jun 2019 13:59

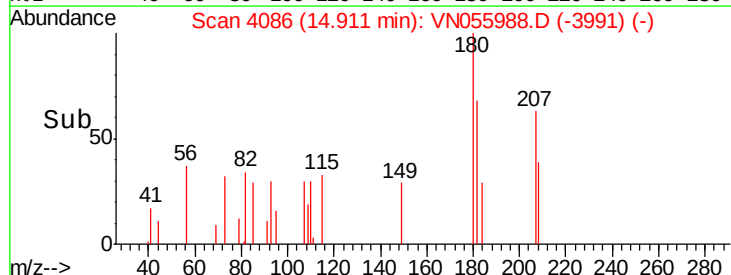
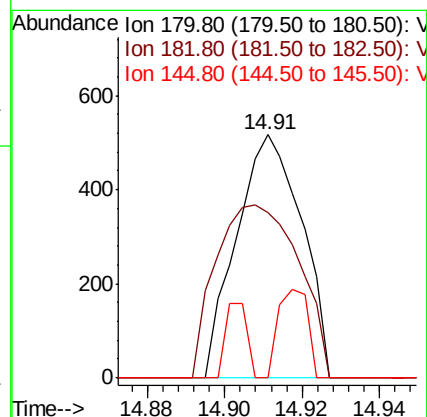
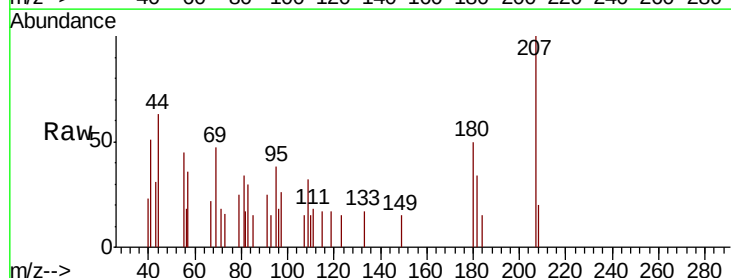
Tgt Ion:180 Resp: 604

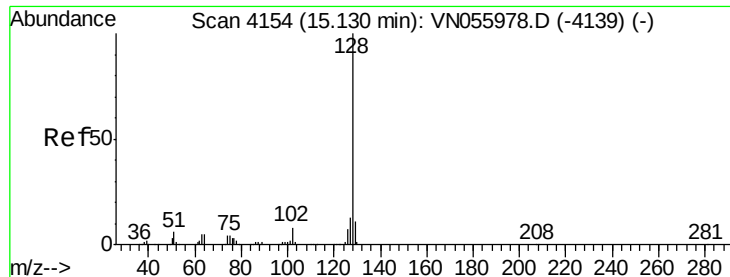
Ion Ratio Lower Upper

180 100

182 90.6 48.3 144.9

145 10.1 14.0 41.9#





#95

Naphthalene

Concen: 4.189 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055988.D

Acq: 4 Jun 2019 13:59

Instrument :

MSVOA_N

ClientSampleId :

0428-HR-8(HACKENSACK)

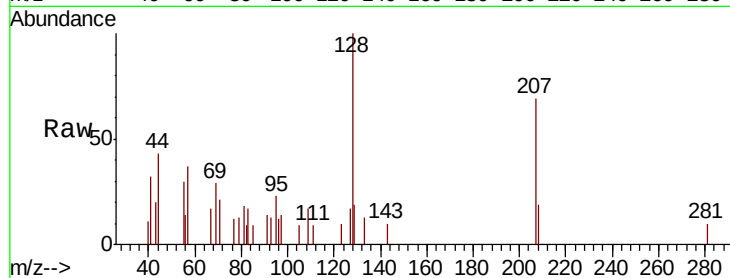
Tot Ion:128 Resp: 3181

Ion Ratio Lower Upper

128 100

127 9.9 10.3 15.5#

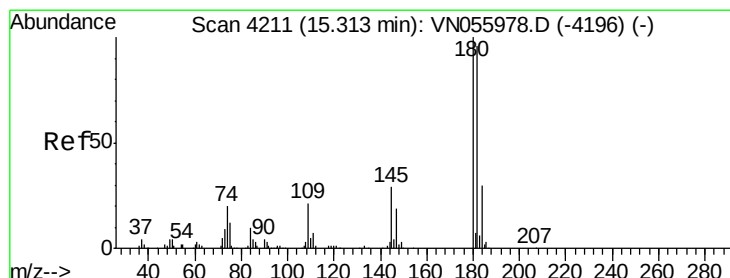
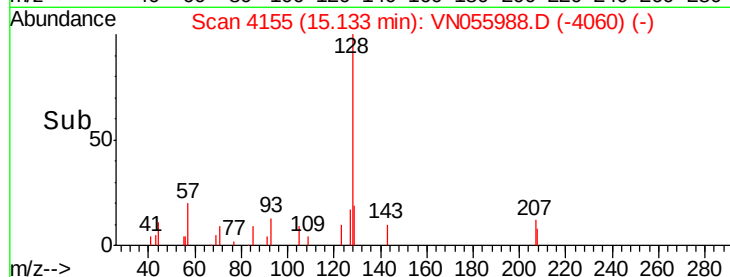
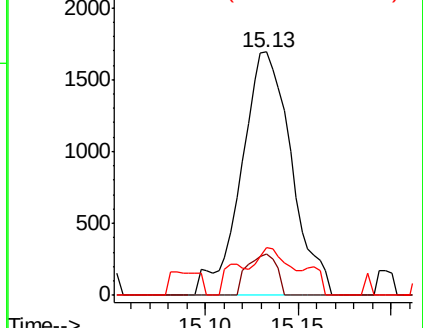
129 5.4 8.7 13.1#



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: 3.164 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN055988.D

Acq: 4 Jun 2019 13:59

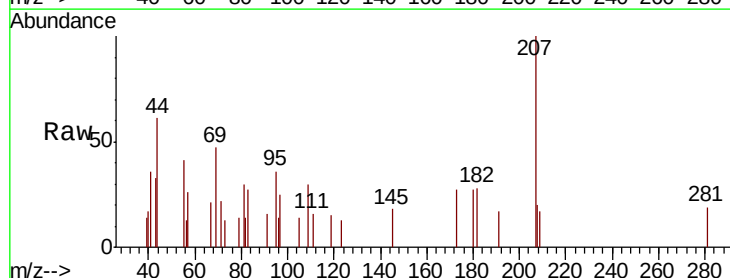
Tgt Ion:180 Resp: 484

Ion Ratio Lower Upper

180 100

182 120.5 47.9 143.7

145 47.7 14.9 44.7#



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

