

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056065.D
 Acq On : 7 Jun 2019 00:08
 Operator : JC/SP
 Sample : K3190-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW307D-20190604

Quant Time: Jun 07 05:32:45 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	329698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	501161	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	471717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	149439	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	175704	53.67	ug/l	0.00
Spiked Amount			Recovery	=	107.34%	
35) Dibromofluoromethane	7.59	113	152579	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
50) Toluene-d8	10.09	98	635225	53.69	ug/l	0.00
Spiked Amount			Recovery	=	107.38%	
62) 4-Bromofluorobenzene	12.40	95	198227	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	

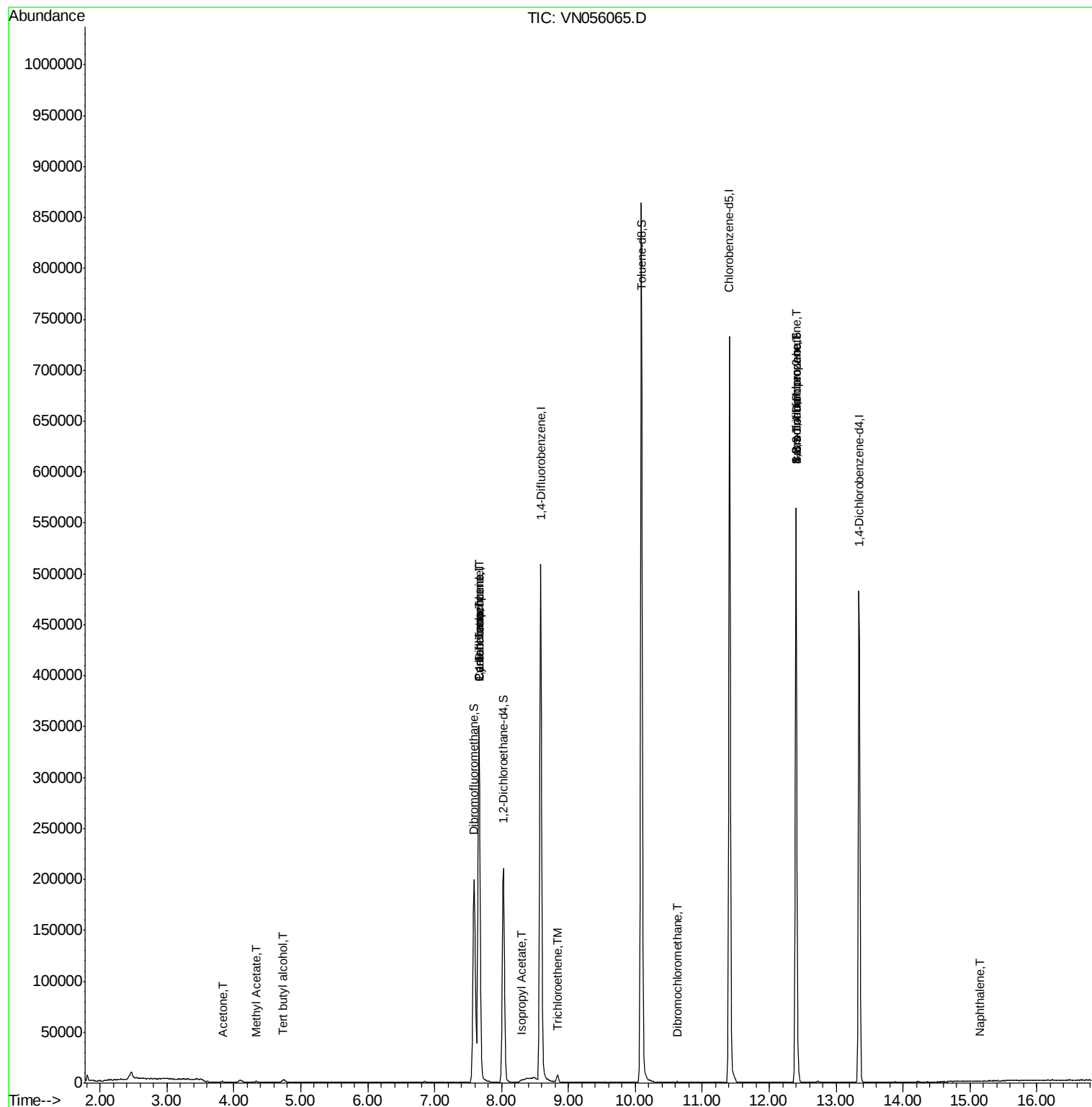
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	1133	1.989	ug/l #	74
16) Acetone	3.83	43	1387	0.886	ug/l #	41
18) Methyl Acetate	4.34	43	2401	0.205	ug/l #	68
31) Cyclohexane	7.66	56	4671	0.899	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	19799	4.595	ug/l #	47
38) Carbon Tetrachloride	7.66	117	27396	6.896	ug/l #	14
43) Isopropyl Acetate	8.30	43	2003	0.322	ug/l #	53
44) Trichloroethene	8.83	130	3331	0.886	ug/l	84
60) Dibromochloromethane	10.63	129	65	2.469	ug/l #	11
71) Bromoform	12.40	173	1244	3.174	ug/l #	1
73) Isopropylbenzene	12.41	105	61	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	90744	33.001	ug/l #	100
79) 2-Chlorotoluene	12.59	91	99	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	90744	109.899	ug/l #	15
95) Naphthalene	15.14	128	221	3.880	ug/l #	69

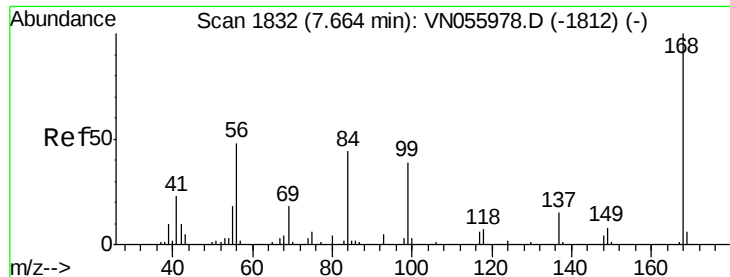
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056065.D

Acq: 7 Jun 2019 00:08

Instrument :

MSVOA_N

ClientSampleId :

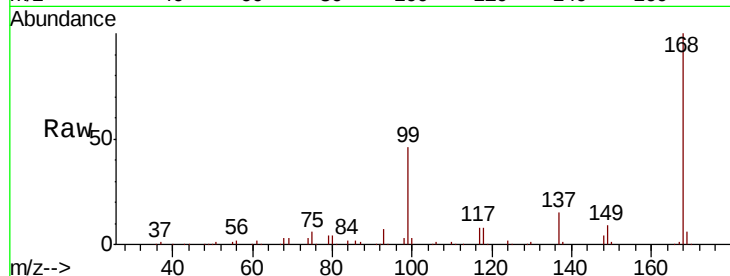
BPS1-TT-MW307D-20190604

Tot Ion:168 Resp: 329698

Ion Ratio Lower Upper

168 100

99 46.1 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

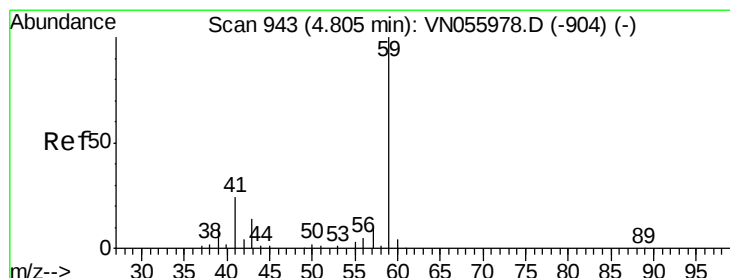
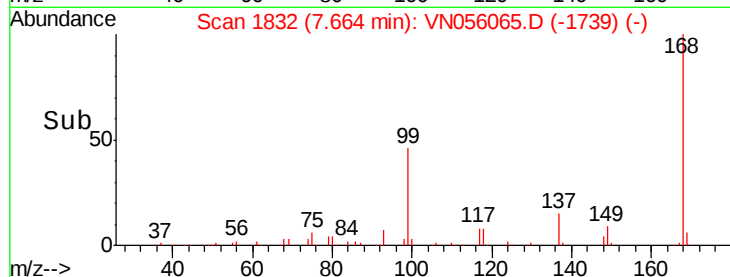
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.989 ug/l

RT: 4.73 min Scan# 919

Delta R.T. -0.08 min

Lab File: VN056065.D

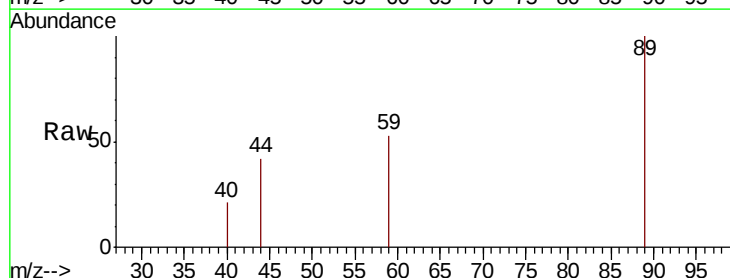
Acq: 7 Jun 2019 00:08

Tgt Ion: 59 Resp: 1133

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.73

800

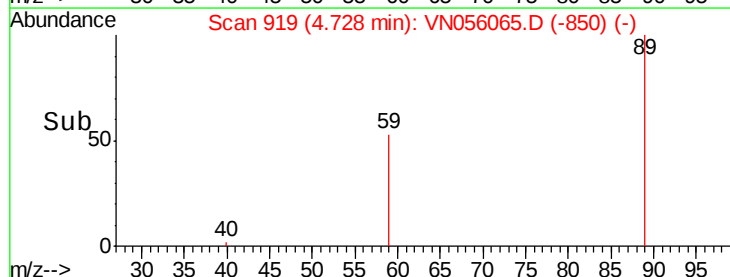
600

400

200

0

Time-->





#16

Acetone

Concen: 0.886 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN056065.D

Acq: 7 Jun 2019 00:08

Instrument :

MSVOA_N

ClientSampleId :

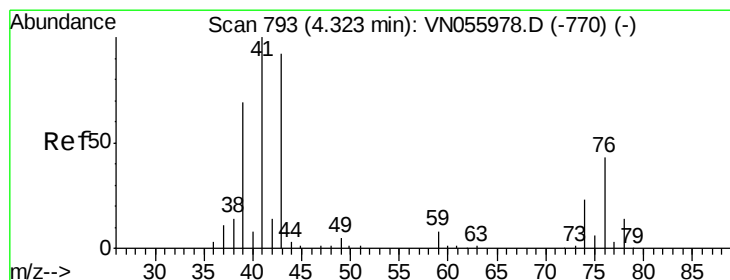
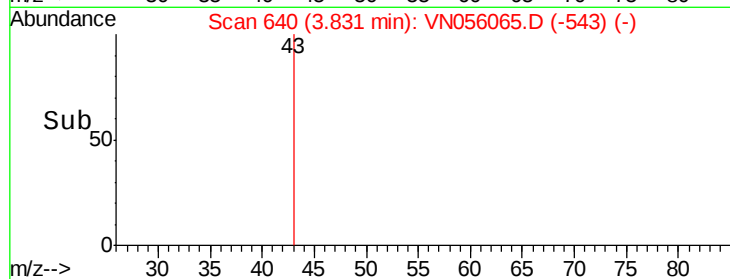
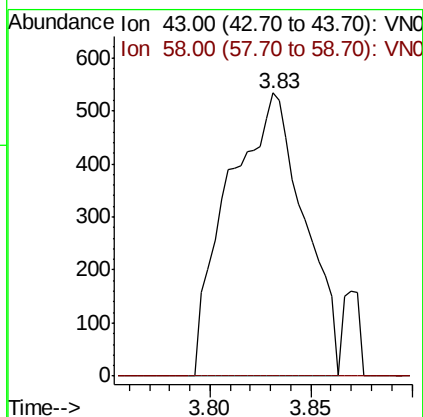
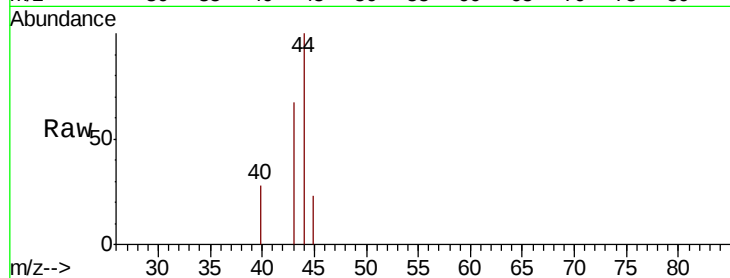
BPS1-TT-MW307D-20190604

Tot Ion: 43 Resp: 1387

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



#18

Methyl Acetate

Concen: 0.205 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN056065.D

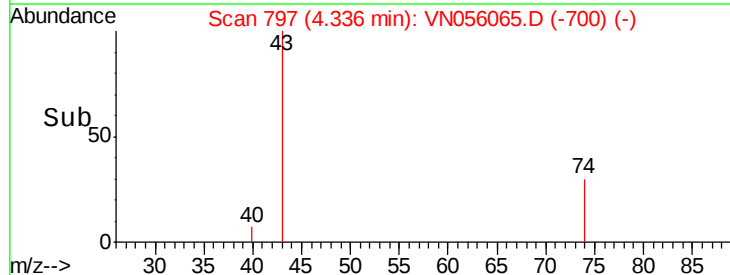
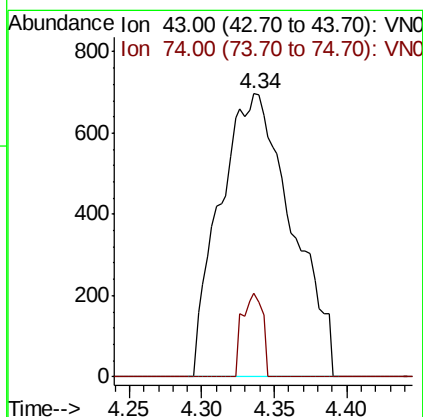
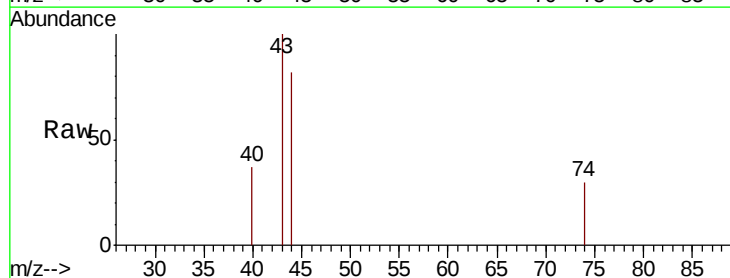
Acq: 7 Jun 2019 00:08

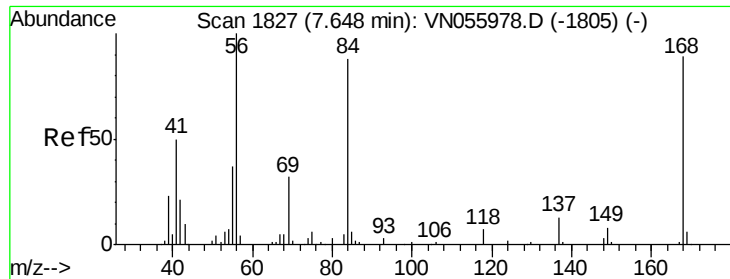
Tgt Ion: 43 Resp: 2401

Ion Ratio Lower Upper

43 100

74 8.3 19.3 28.9#

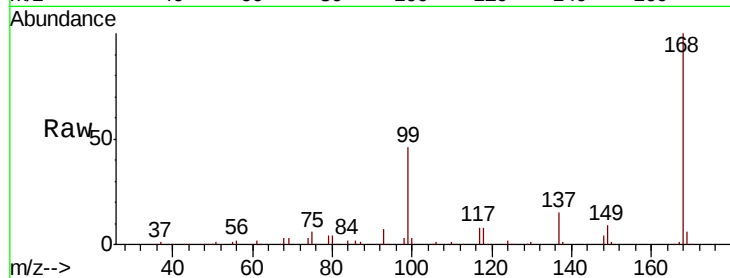




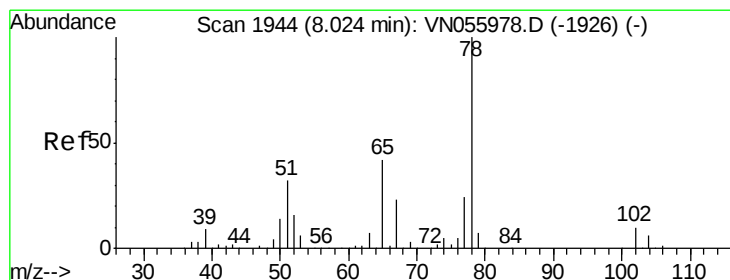
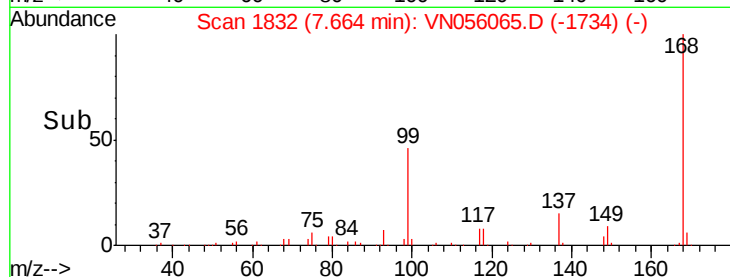
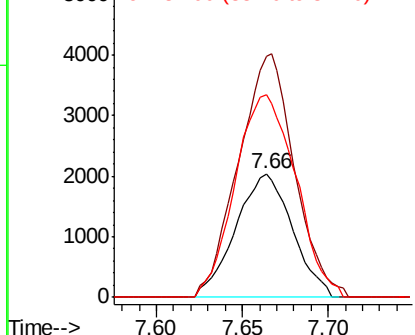
#31
Cyclohexane
Concen: 0.899 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN056065.D
Acq: 7 Jun 2019 00:08

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW307D-20190604

Tot Ion: 56 Resp: 4671
Ion Ratio Lower Upper
56 100
69 195.0 25.6 38.4#
84 163.7 67.4 101.0#

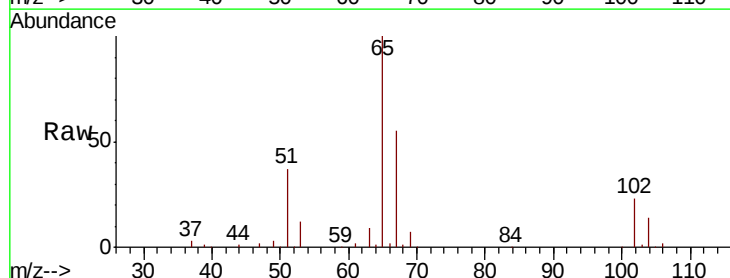


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

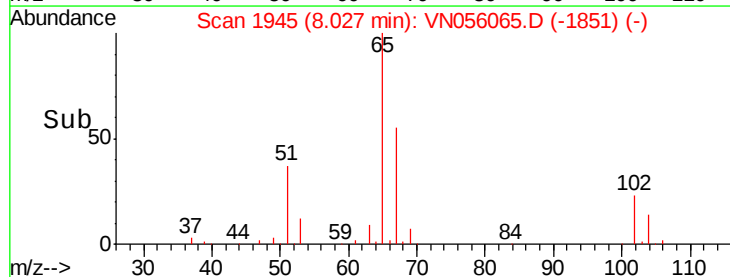
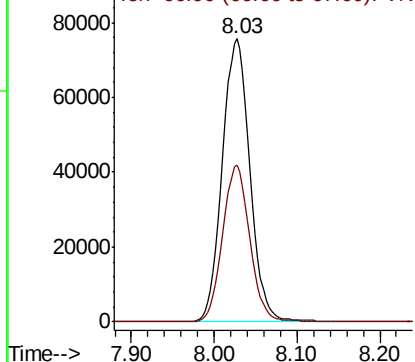


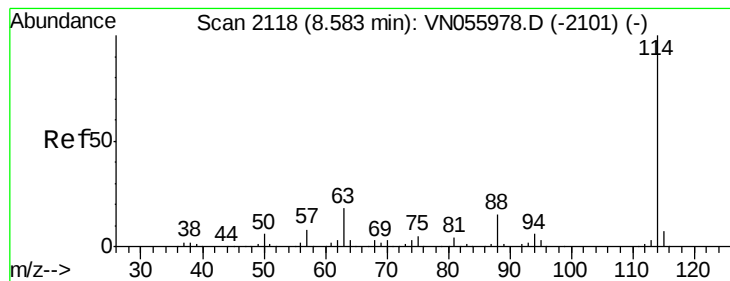
#33
1,2-Dichloroethane-d4
Concen: 53.673 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056065.D
Acq: 7 Jun 2019 00:08

Tgt Ion: 65 Resp: 175704
Ion Ratio Lower Upper
65 100
67 54.3 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# 2118

Delta R.T. 0.00 min

Lab File: VN056065.D

Acq: 7 Jun 2019 00:08

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW307D-20190604

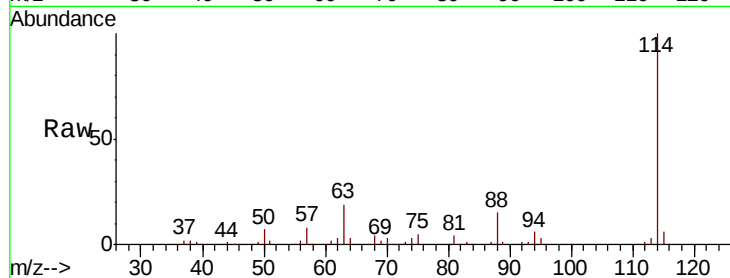
Tot Ion:114 Resp: 501161

Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.2

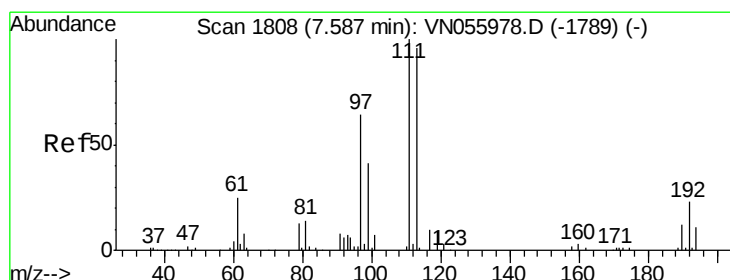
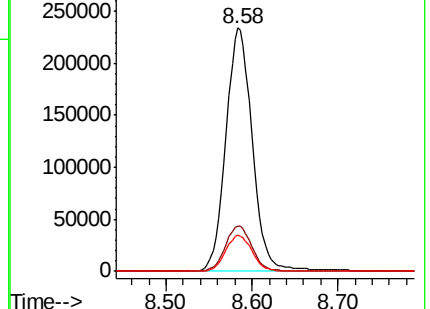
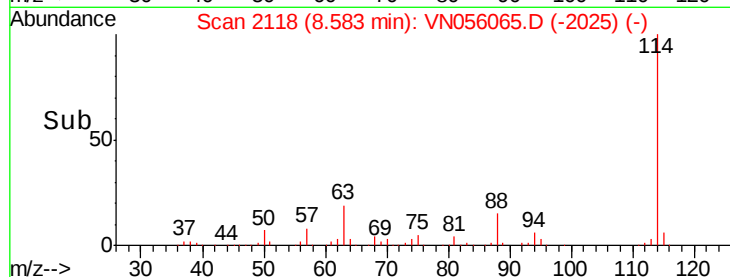
88 14.7 0.0 31.0



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: 49.623 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056065.D

Acq: 7 Jun 2019 00:08

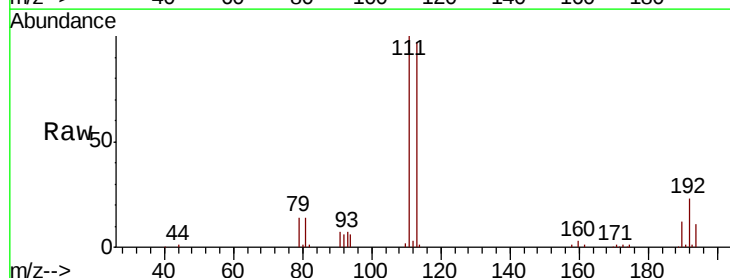
Tgt Ion:113 Resp: 152579

Ion Ratio Lower Upper

113 100

111 102.8 81.9 122.9

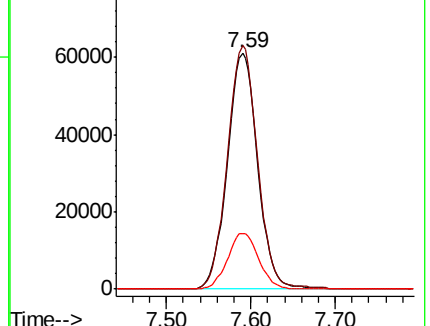
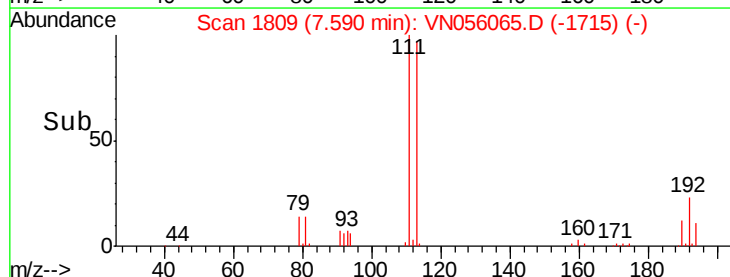
192 24.2 19.5 29.3

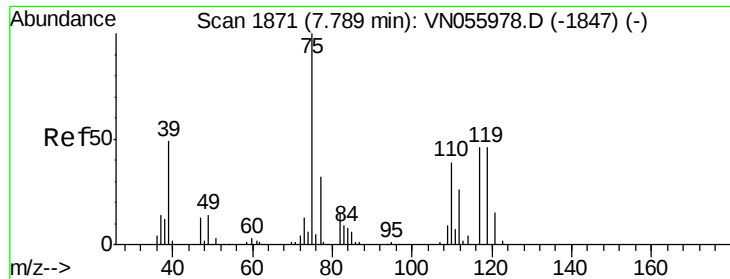


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

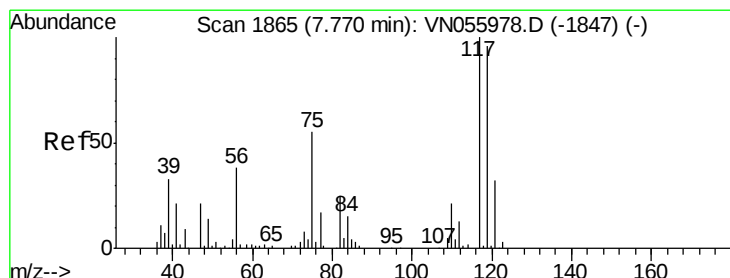
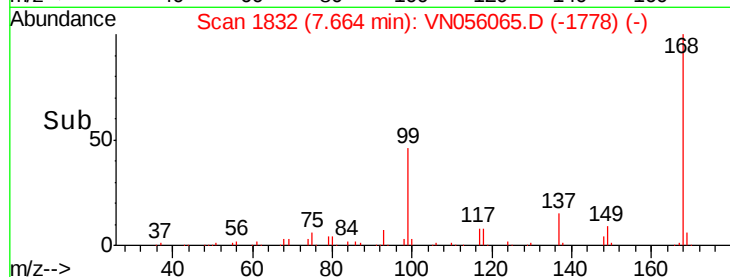
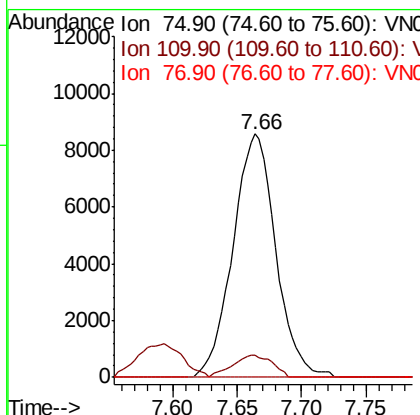
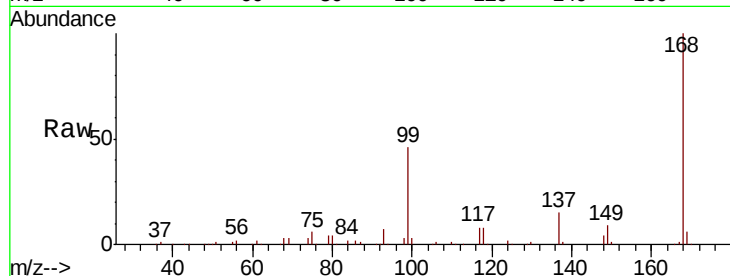




#36
 1,1-Dichloropropene
 Concen: 4.595 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056065.D
 Acq: 7 Jun 2019 00:08

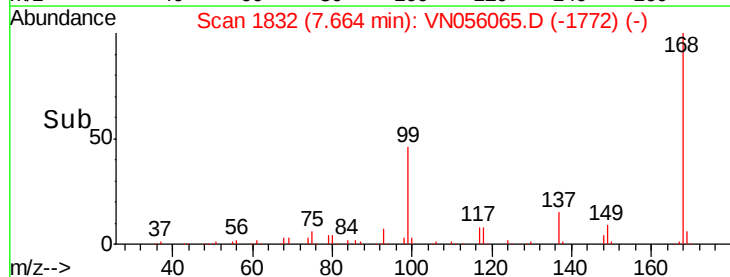
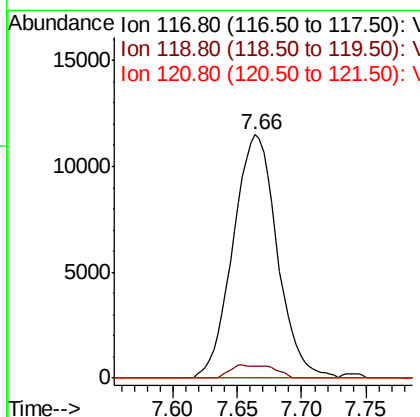
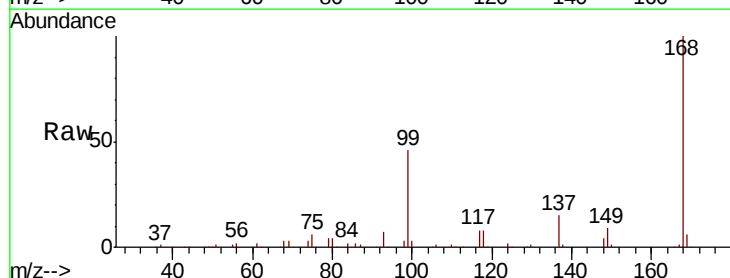
Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW307D-20190604

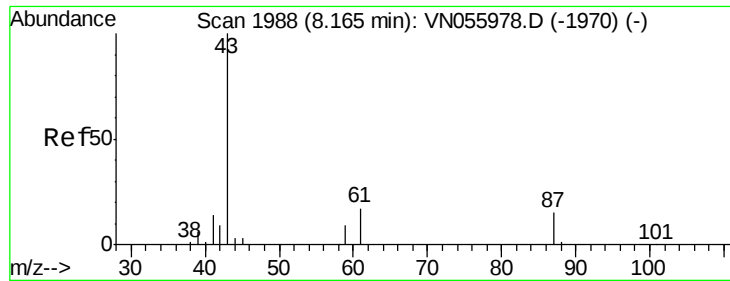
Tot Ion	75	Resp	19799
Ion Ratio	100	Lower	Upper
75	100		
110	8.4	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.896 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056065.D
 Acq: 7 Jun 2019 00:08

Tgt Ion	117	Resp	27396
Ion Ratio	100	Lower	Upper
117	100		
119	4.8	79.0	118.6#
121	0.0	24.7	37.1#

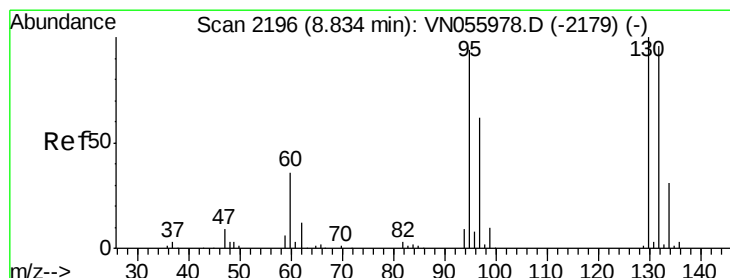
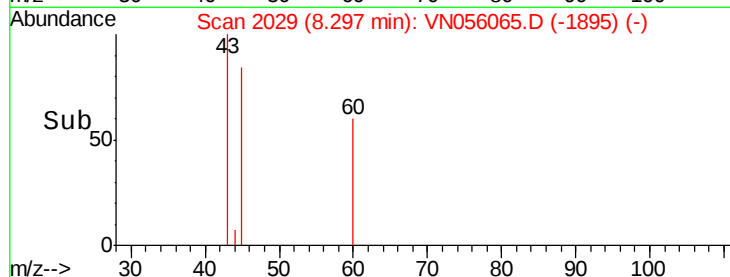
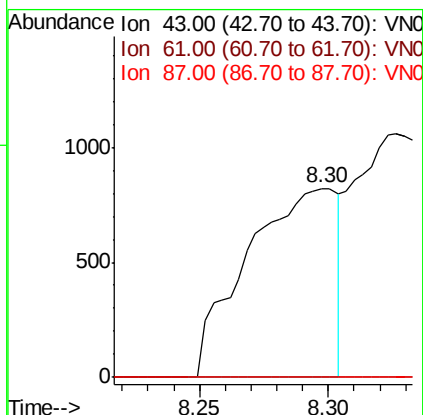
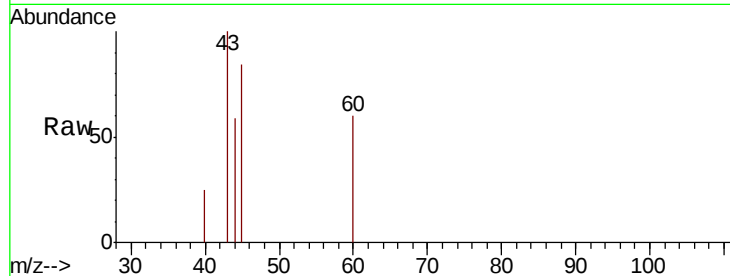




#43
Isopropyl Acetate
Concen: 0.322 ug/l
RT: 8.30 min Scan# 2029
Delta R.T. 0.13 min
Lab File: VN056065.D
Acq: 7 Jun 2019 00:08

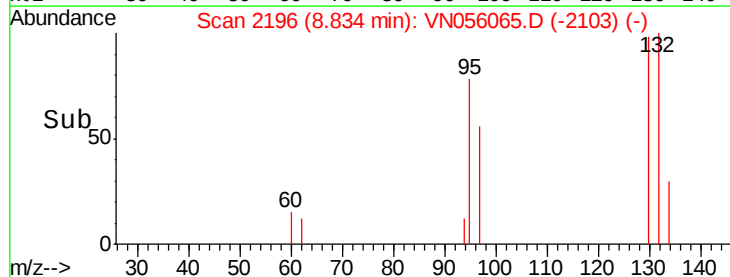
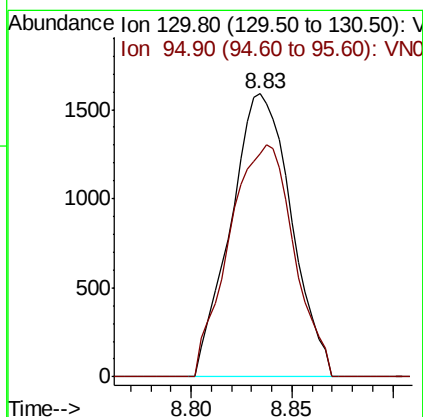
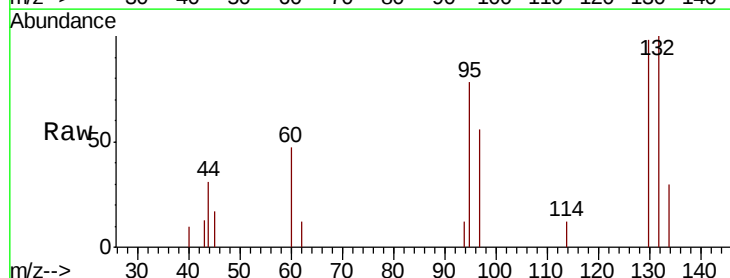
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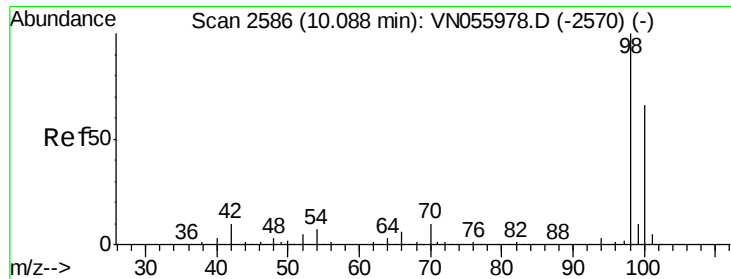
Tot Ion: 43 Resp: 2003
Ion Ratio Lower Upper
43 100
61 0.0 22.2 33.4#
87 0.0 11.4 17.2#



#44
Trichloroethene
Concen: 0.886 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN056065.D
Acq: 7 Jun 2019 00:08

Tgt Ion:130 Resp: 3331
Ion Ratio Lower Upper
130 100
95 79.0 0.0 188.0





#50

Toluene-d8

Concen: 53.688 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056065.D

Acq: 7 Jun 2019 00:08

Instrument :

MSVOA_N

ClientSampleId :

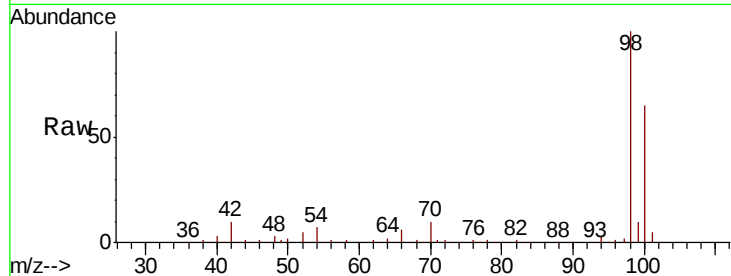
BPS1-TT-MW307D-20190604

Tot Ion: 98 Resp: 635225

Ion Ratio Lower Upper

98 100

100 65.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)

10.09

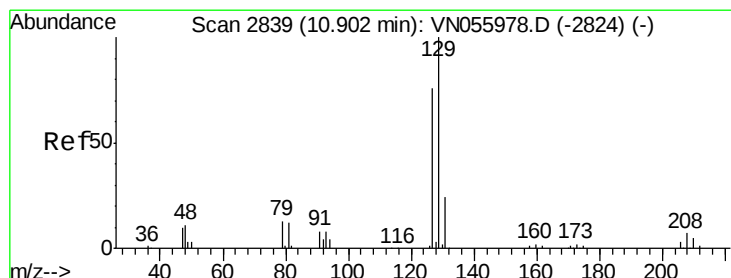
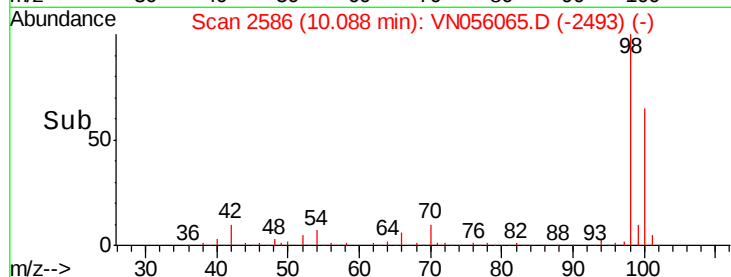
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 2.469 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.28 min

Lab File: VN056065.D

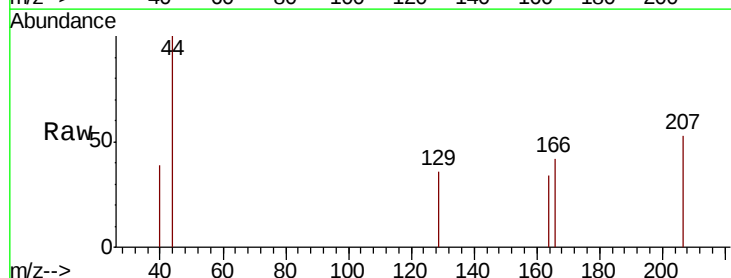
Acq: 7 Jun 2019 00:08

Tgt Ion: 129 Resp: 65

Ion Ratio Lower Upper

129 100

127 0.0 38.1 114.3#



Abundance Ion 128.80 (128.50 to 129.50): VN055978.D (-2824) (-)

Ion 126.80 (126.50 to 127.50): VN055978.D (-2824) (-)

10.63

200

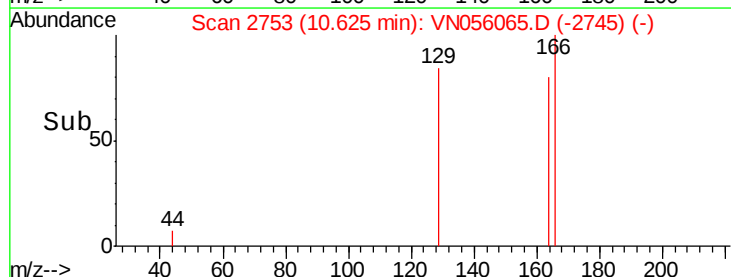
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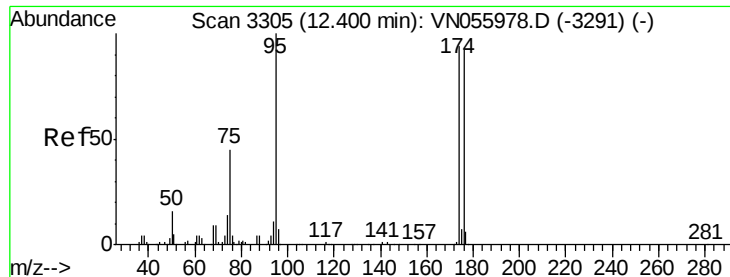
100

50

0

Time-->





#62

4-Bromofluorobenzene

Concen: 49.265 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056065.D

Acq: 7 Jun 2019 00:08

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW307D-20190604

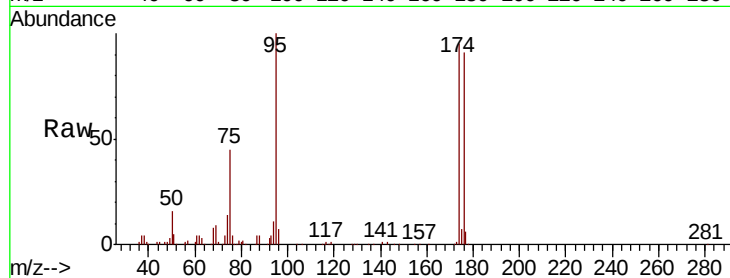
Tot Ion: 95 Resp: 198227

Ion Ratio Lower Upper

95 100

174 96.3 0.0 191.0

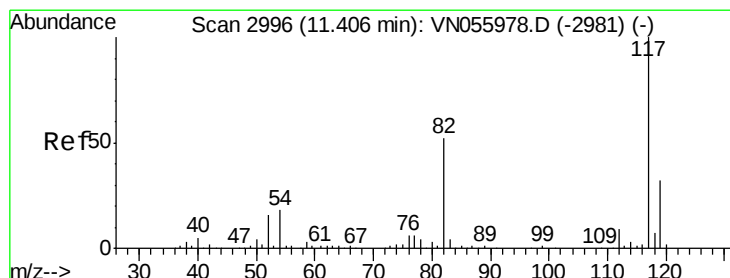
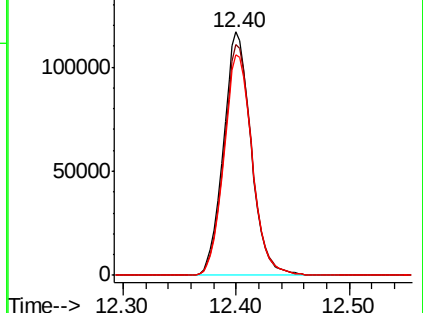
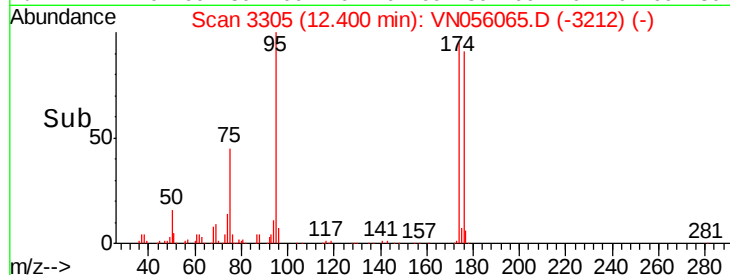
176 93.1 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056065.D

Acq: 7 Jun 2019 00:08

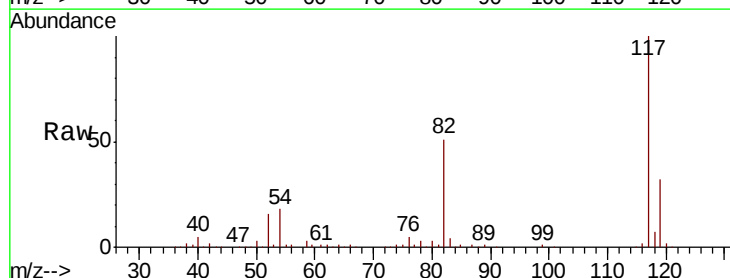
Tgt Ion: 117 Resp: 471717

Ion Ratio Lower Upper

117 100

82 51.3 41.8 62.8

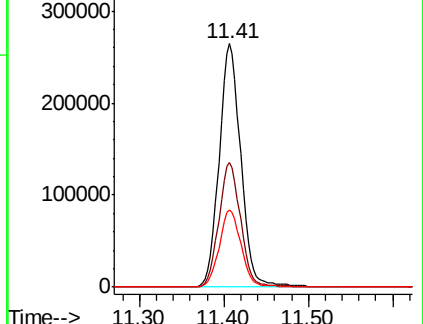
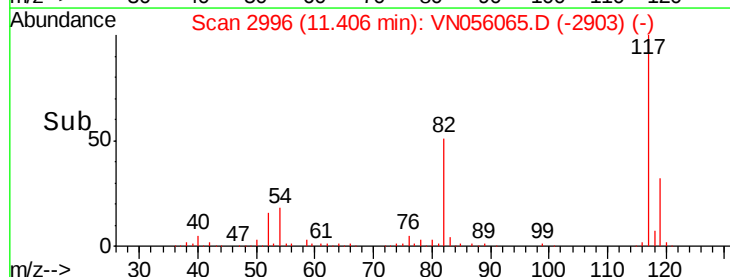
119 32.0 25.4 38.0

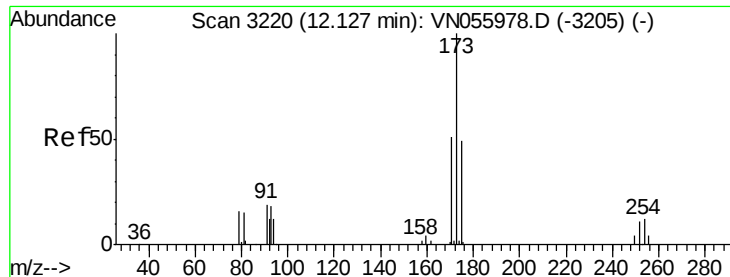


Abundance Ion 116.90 (116.60 to 117.60): VN055978.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN055978.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055978.D (-2981) (-)

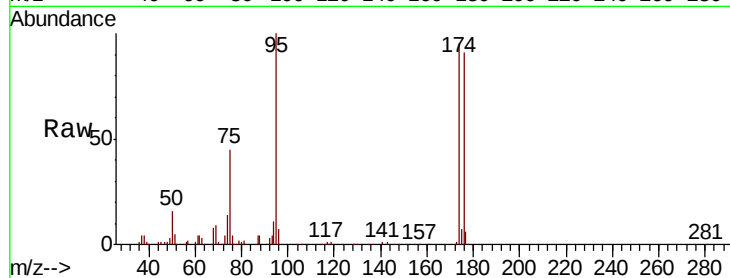




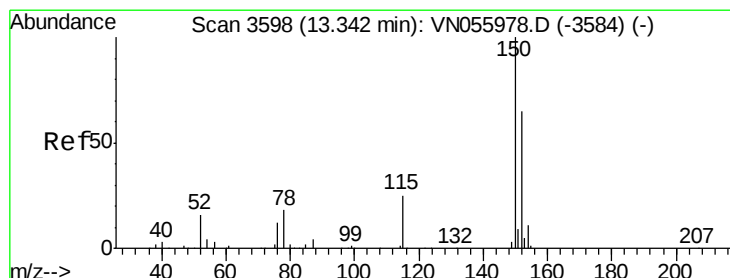
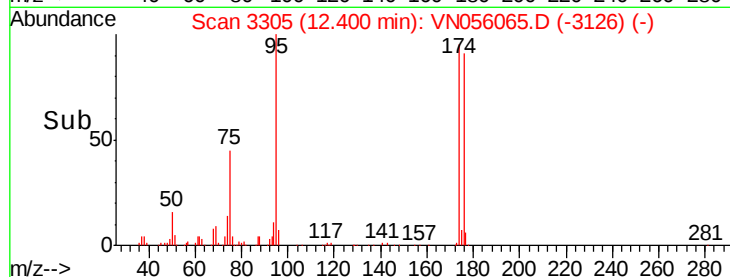
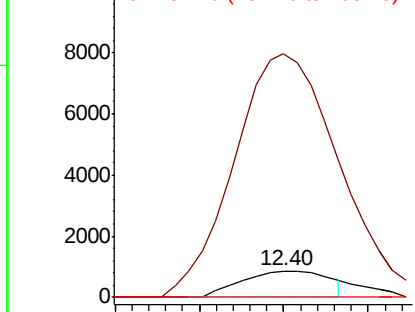
#71
Bromoform
Concen: 3.174 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN056065.D
Acq: 7 Jun 2019 00:08

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW307D-20190604

Tot Ion:173 Resp: 1244
Ion Ratio Lower Upper
173 100
175 964.1 24.3 72.8#
254 0.0 0.0 0.0

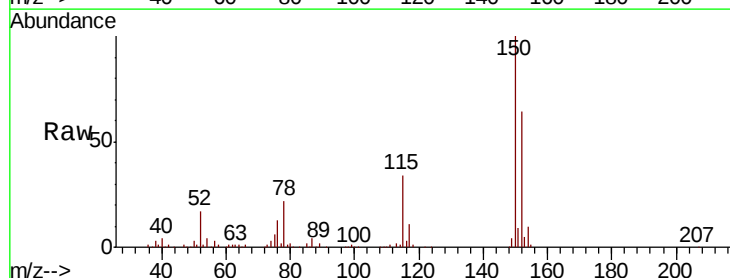


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

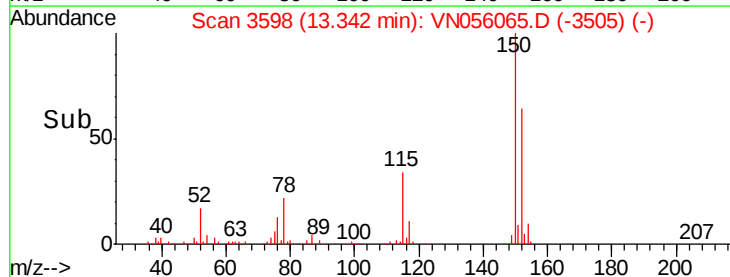
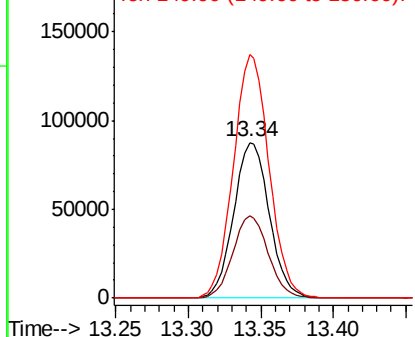


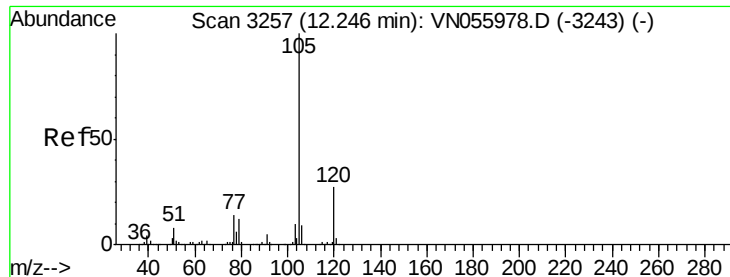
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056065.D
Acq: 7 Jun 2019 00:08

Tgt Ion:152 Resp: 149439
Ion Ratio Lower Upper
152 100
115 52.4 27.0 81.0
150 156.8 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: 12.41 min Scan# 3307

Delta R.T. 0.16 min

Lab File: VN056065.D

Acq: 7 Jun 2019 00:08

Instrument :

MSVOA_N

ClientSampleId :

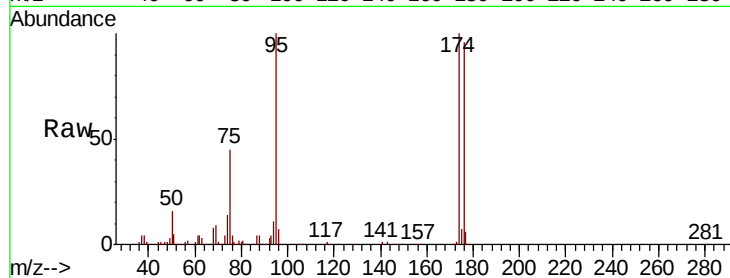
BPS1-TT-MW307D-20190604

Tot Ion: 105 Resp: 61

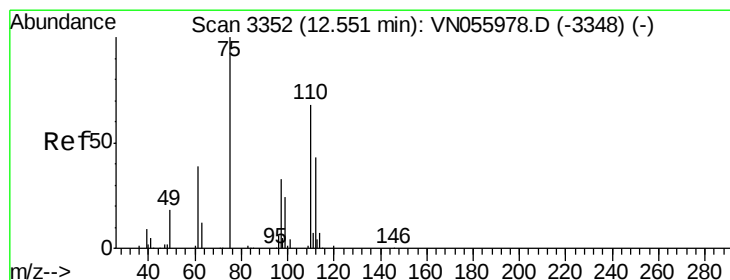
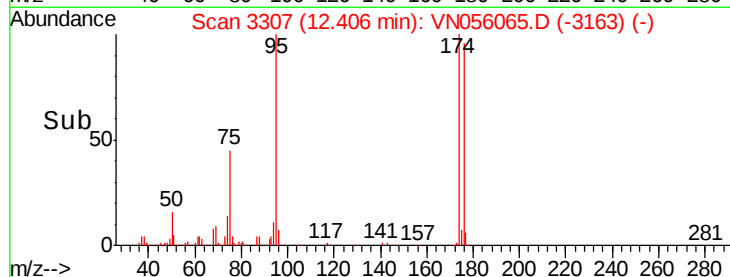
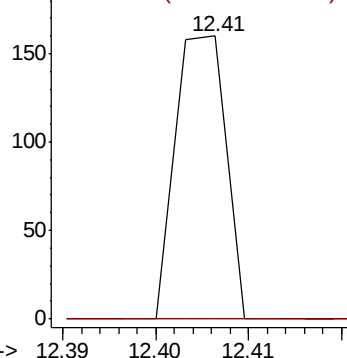
Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V



#76

1,2,3-Trichloropropane

Concen: 33.001 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056065.D

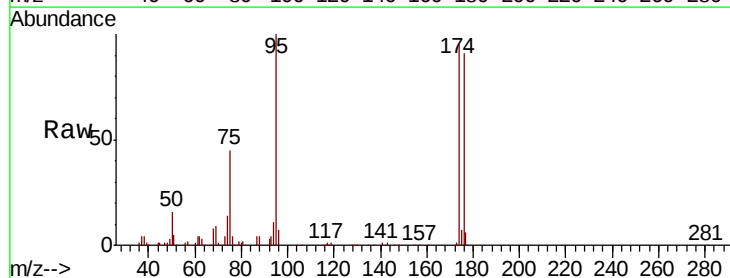
Acq: 7 Jun 2019 00:08

Tgt Ion: 75 Resp: 90744

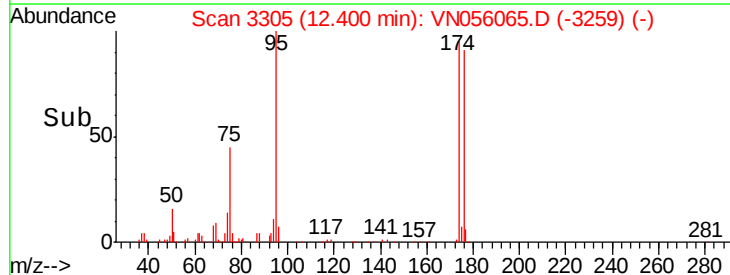
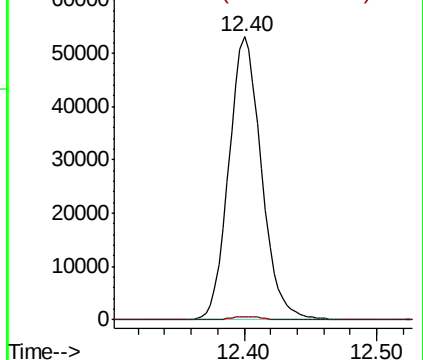
Ion Ratio Lower Upper

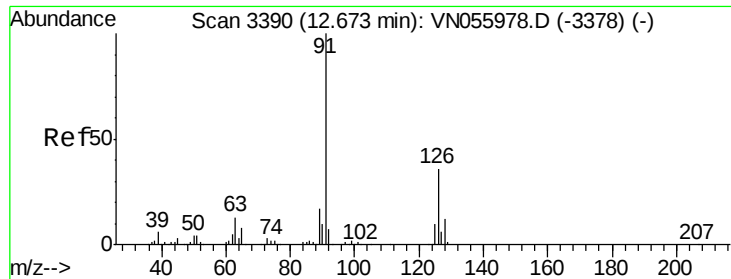
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN056065.D

Acq: 7 Jun 2019 00:08

Instrument :

MSVOA_N

ClientSampleId :

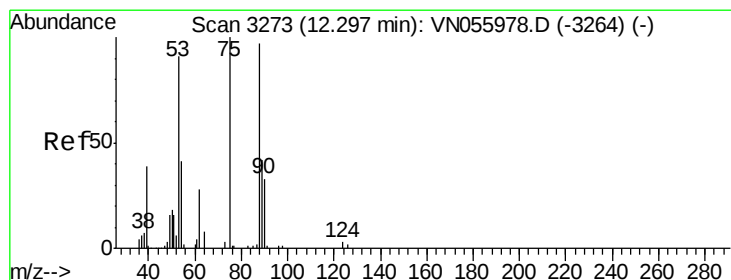
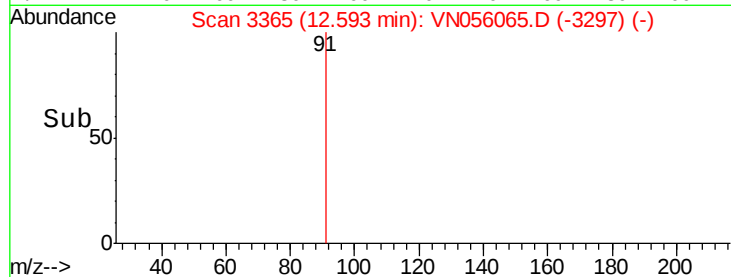
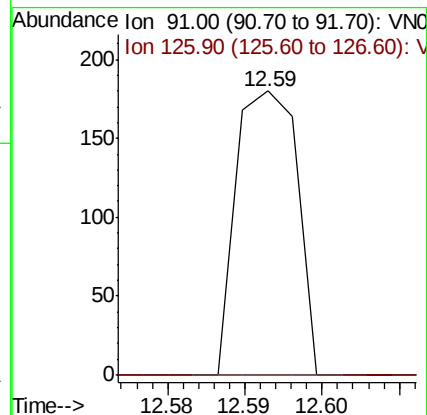
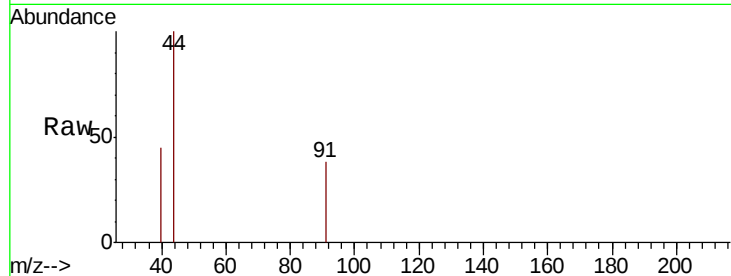
BPS1-TT-MW307D-20190604

Tot Ion: 91 Resp: 99

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 109.899 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056065.D

Acq: 7 Jun 2019 00:08

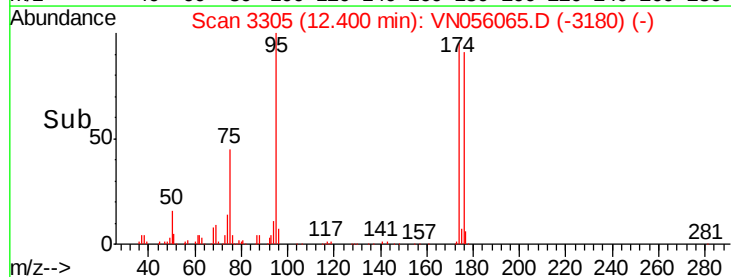
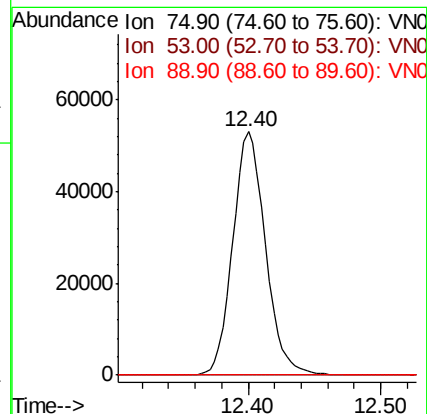
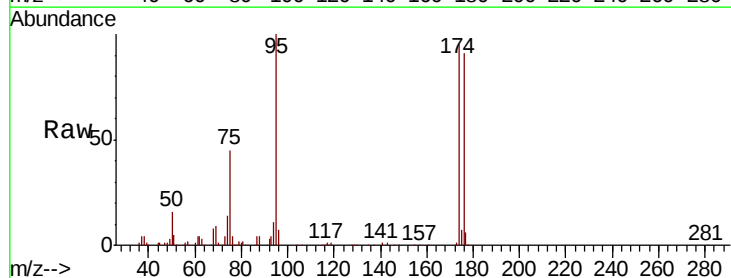
Tgt Ion: 75 Resp: 90744

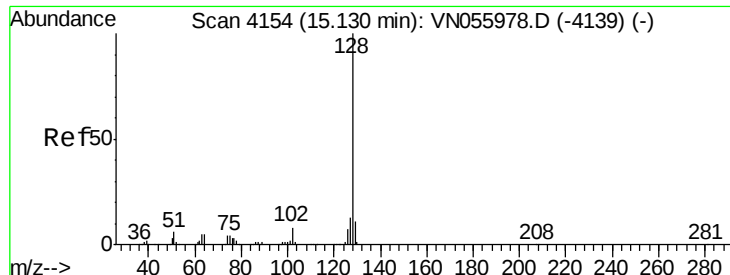
Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 3.880 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.01 min
Lab File: VN056065.D
Acq: 7 Jun 2019 00:08

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW307D-20190604

Tot Ion:128 Resp: 221
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.7 13.1#

