

Data File : VN055380.D
Acq On : 3 May 2019 11:12
Operator : JC/SP
Sample : K2658-08 10X
Misc : 5.17g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E3-4(17-20)

Quant Time: May 03 23:53:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration

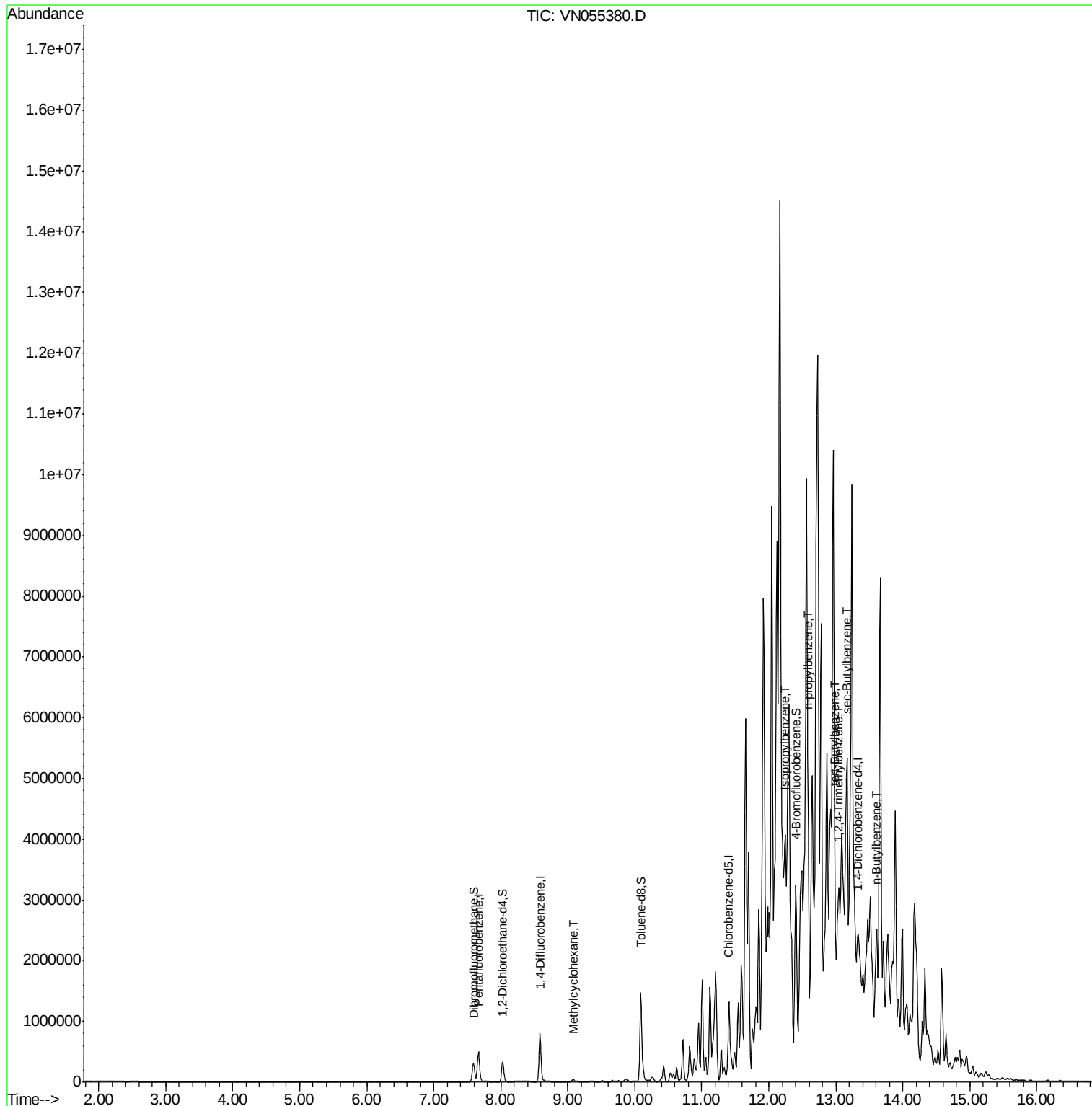
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	424837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	750113	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	690477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	298994	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	293599	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
35) Dibromofluoromethane	7.59	113	235254	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
50) Toluene-d8	10.09	98	946135	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	
62) 4-Bromofluorobenzene	12.40	95	505058	90.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	181.80%	
Target Compounds						
39) Methylcyclohexane	9.09	83	18021	2.359	ug/l	95
73) Isopropylbenzene	12.25	105	683883	27.311	ug/l	99
78) n-propylbenzene	12.59	91	2051294	66.789	ug/l	100
83) tert-Butylbenzene	12.99	119	143893	6.118	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	34479	1.645	ug/l	99
85) sec-Butylbenzene	13.17	105	1129555	44.336	ug/l #	63
89) n-Butylbenzene	13.61	91	756672	50.853	ug/l	91

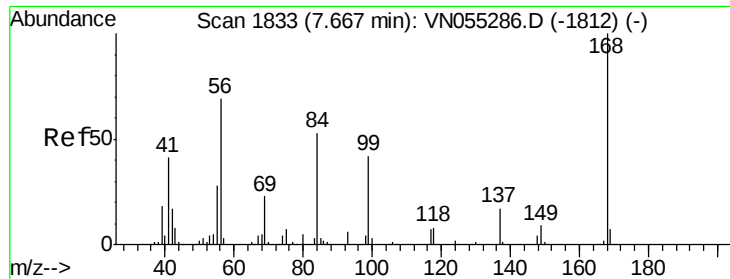
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055380.D

Acq: 3 May 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

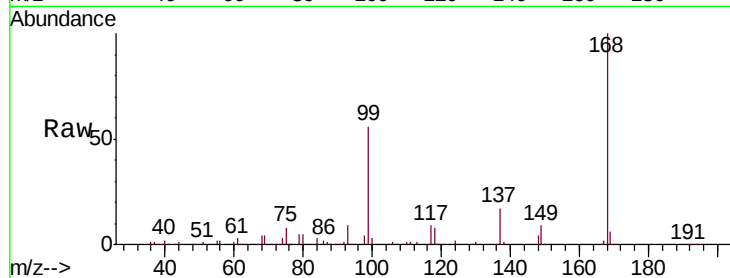
EP1-SB-E3-4(17-20)

Tgt Ion:168 Resp: 424837

Ion Ratio Lower Upper

168 100

99 56.0 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

200000

150000

100000

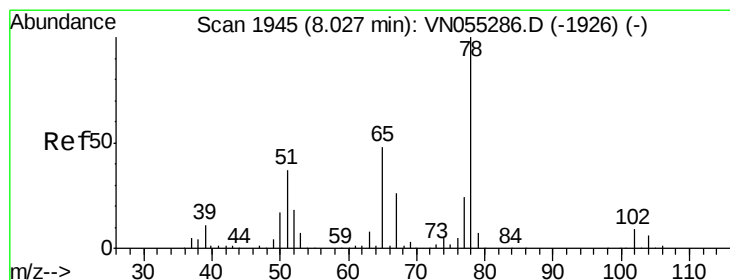
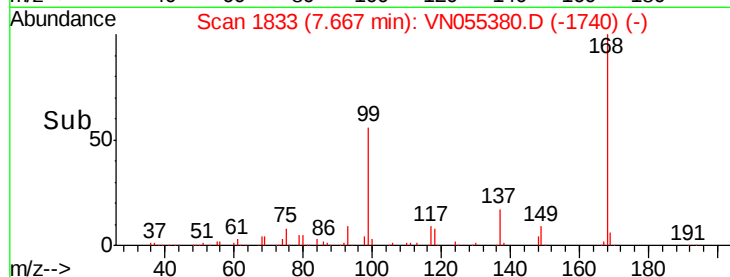
50000

0

7.67

7.60 7.70

Time-->



#33

1,2-Dichloroethane-d4

Concen: 52.826 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055380.D

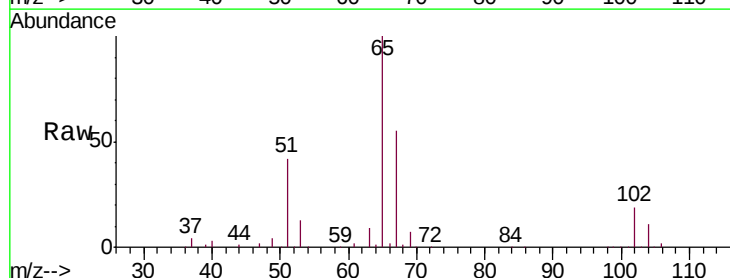
Acq: 3 May 2019 11:12

Tgt Ion: 65 Resp: 293599

Ion Ratio Lower Upper

65 100

67 53.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

100000

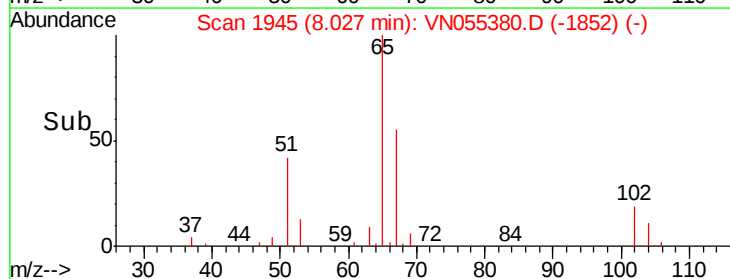
50000

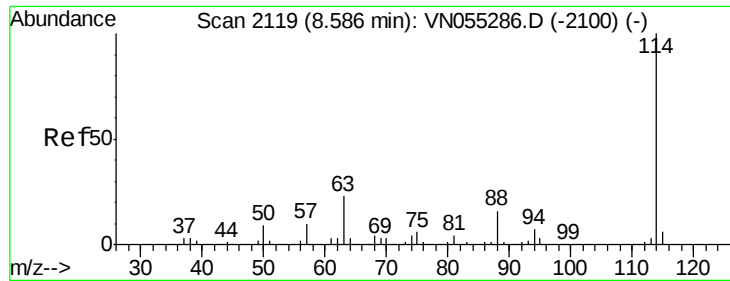
0

8.03

7.90 8.10 8.20

Time-->

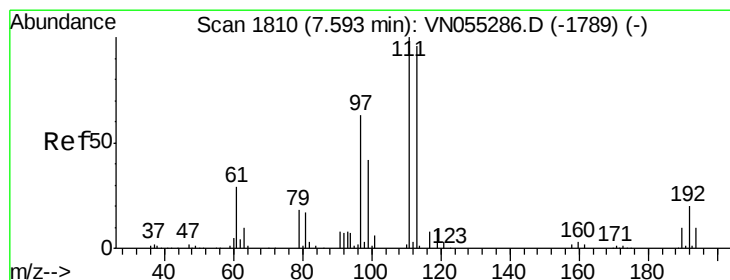
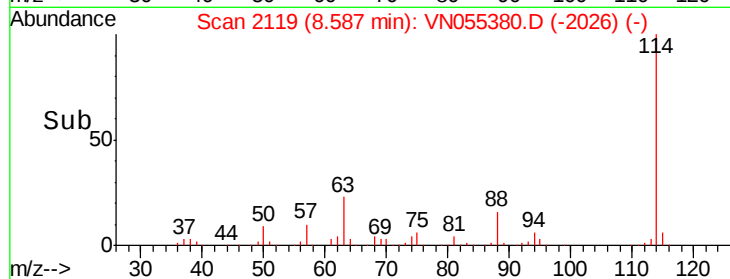
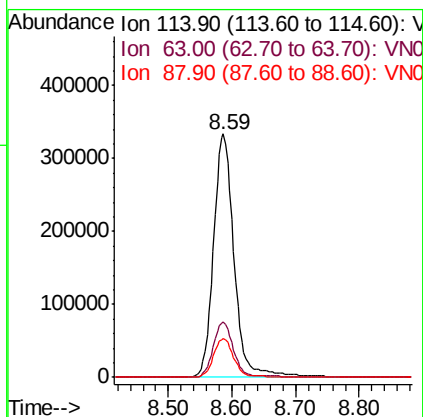
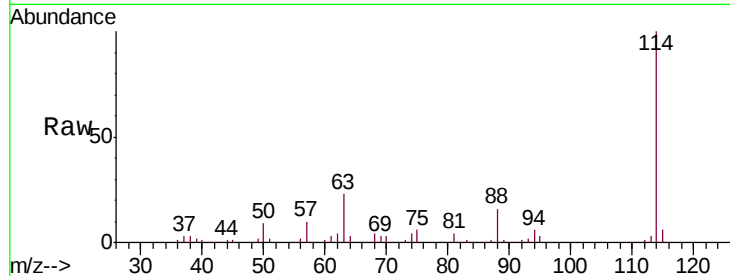




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055380.D
 Acq: 3 May 2019 11:12

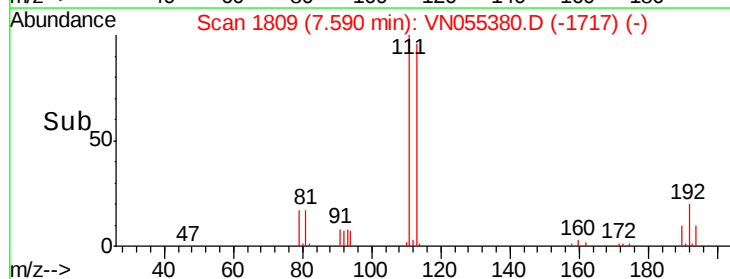
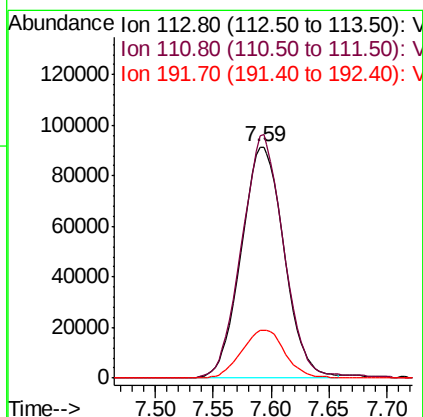
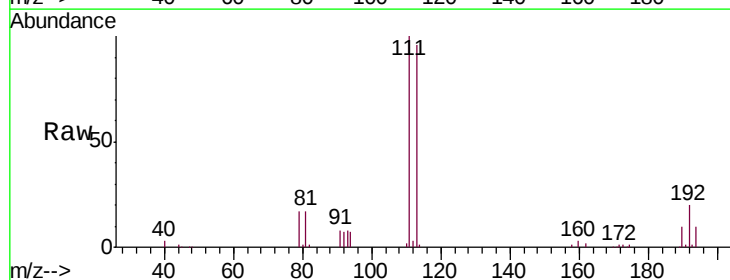
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-E3-4(17-20)

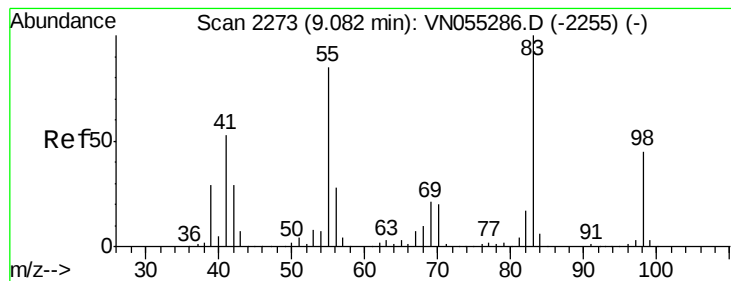
Tgt Ion:114 Resp: 750113
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.2
 88 15.9 0.0 31.6



#35
 Dibromofluoromethane
 Concen: 47.782 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055380.D
 Acq: 3 May 2019 11:12

Tgt Ion:113 Resp: 235254
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.3 123.5
 192 21.2 17.0 25.6





#39

Methylcyclohexane

Concen: 2.359 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN055380.D

Acq: 3 May 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E3-4(17-20)

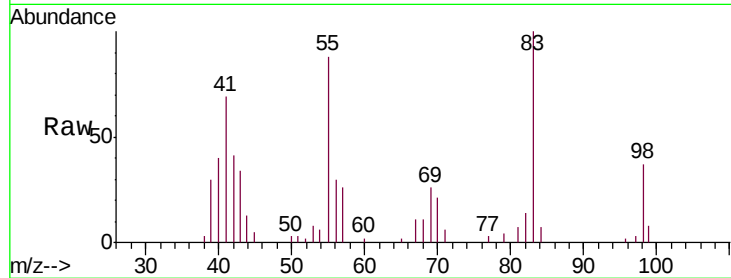
Tgt Ion: 83 Resp: 18021

Ion Ratio Lower Upper

83 100

55 83.6 67.8 101.6

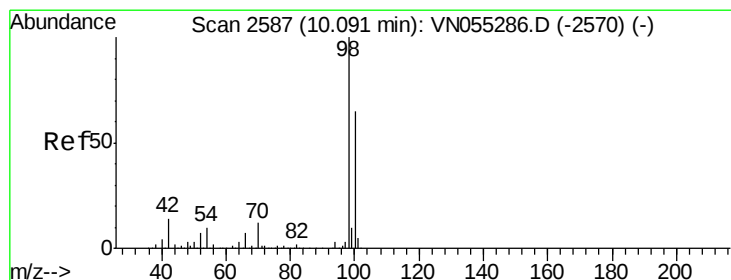
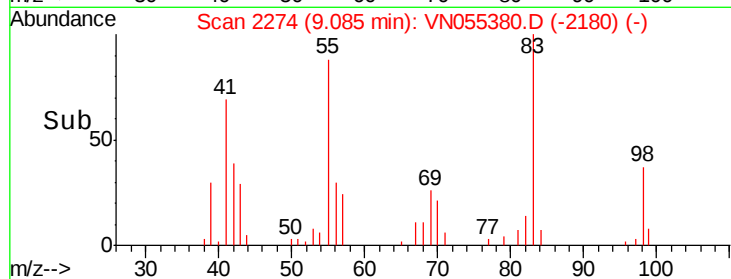
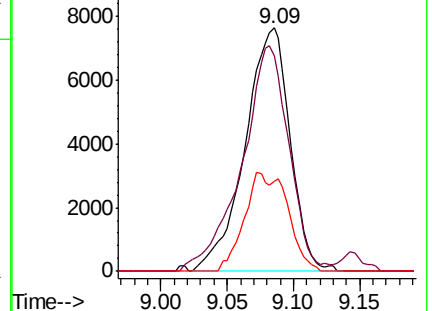
98 37.1 36.2 54.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#50

Toluene-d8

Concen: 53.219 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055380.D

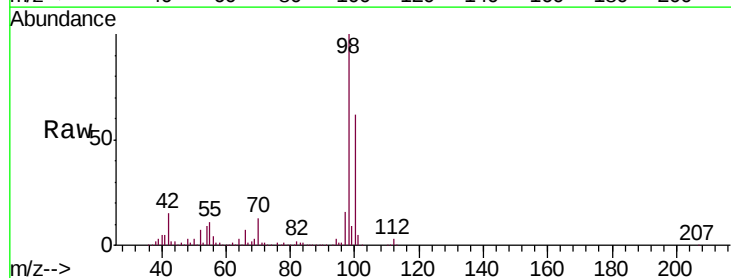
Acq: 3 May 2019 11:12

Tgt Ion: 98 Resp: 946135

Ion Ratio Lower Upper

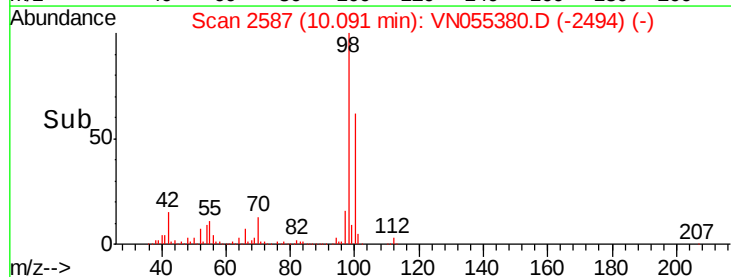
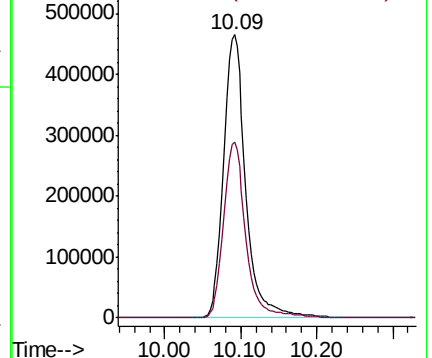
98 100

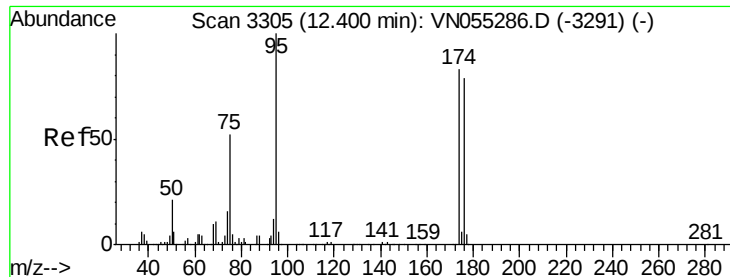
100 62.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 90.898 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN055380.D

Acq: 3 May 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E3-4(17-20)

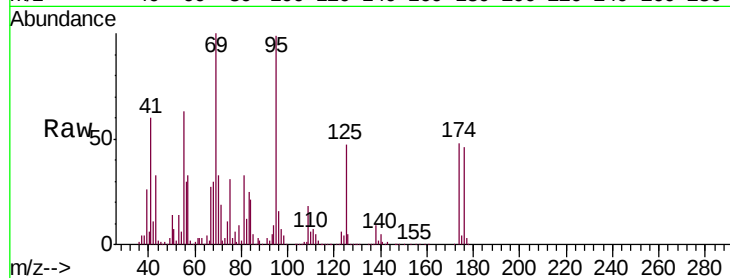
Tgt Ion: 95 Resp: 505058

Ion Ratio Lower Upper

95 100

174 50.9 0.0 166.6

176 49.2 0.0 157.8

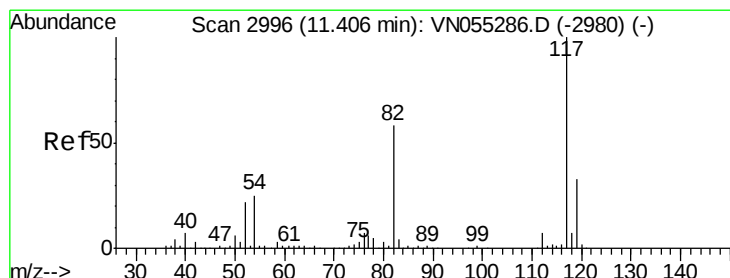
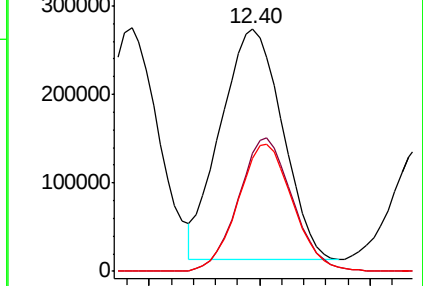
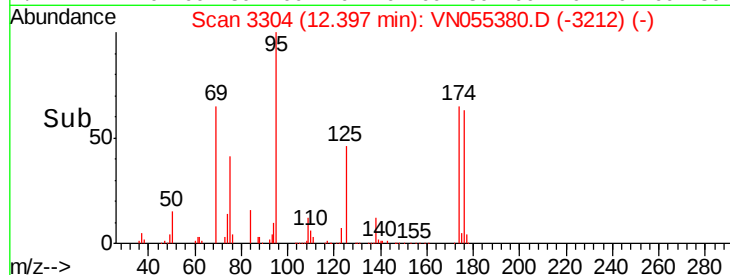


Abundance Ion 94.90 (94.60 to 95.60): VN055286.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055286.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055286.D (-3291) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055380.D

Acq: 3 May 2019 11:12

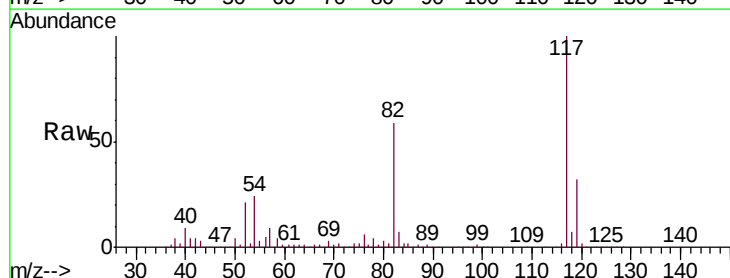
Tgt Ion: 117 Resp: 690477

Ion Ratio Lower Upper

117 100

82 55.7 46.2 69.4

119 32.4 26.6 40.0

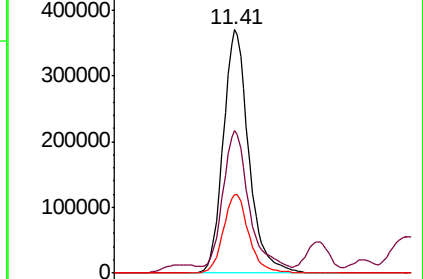
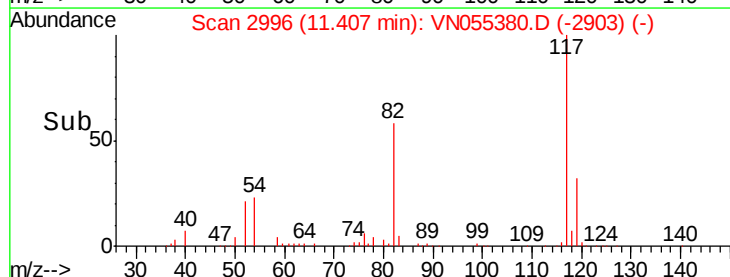


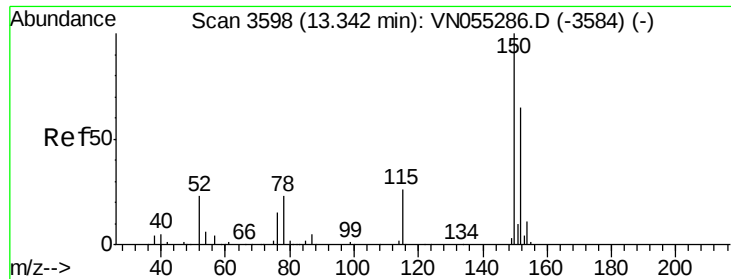
Abundance Ion 116.90 (116.60 to 117.60): VN055286.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN055286.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN055286.D (-2980) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055380.D

Acq: 3 May 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E3-4(17-20)

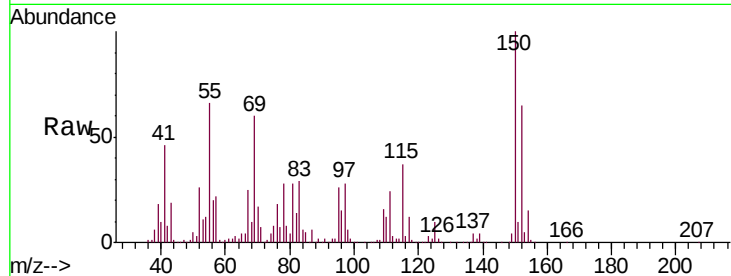
Tgt Ion:152 Resp: 298994

Ion Ratio Lower Upper

152 100

115 48.7 29.0 87.0

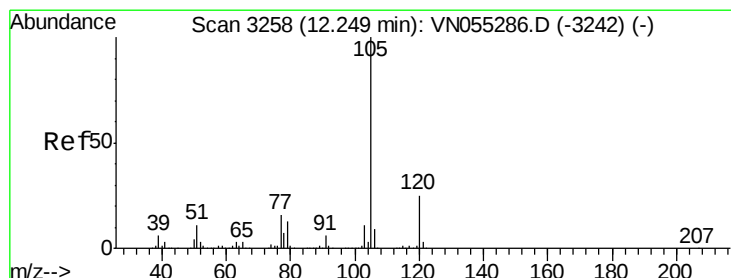
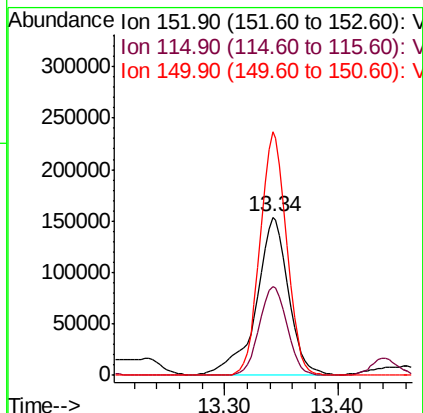
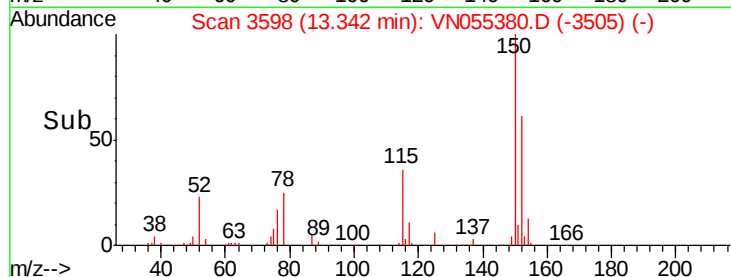
150 128.4 0.0 345.6



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: 27.311 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055380.D

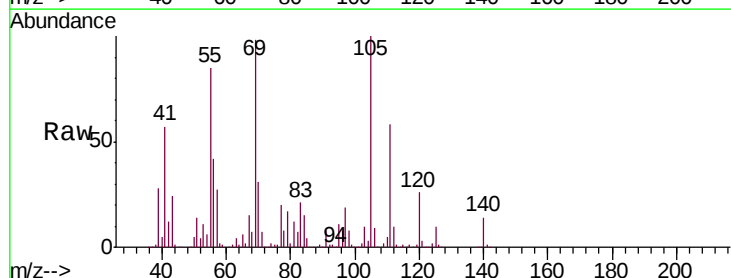
Acq: 3 May 2019 11:12

Tgt Ion:105 Resp: 683883

Ion Ratio Lower Upper

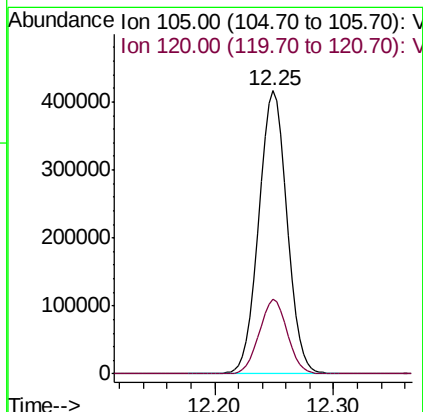
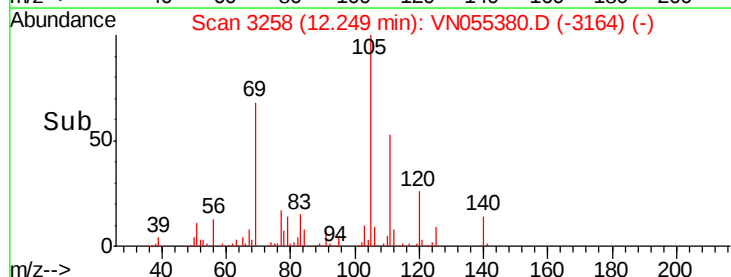
105 100

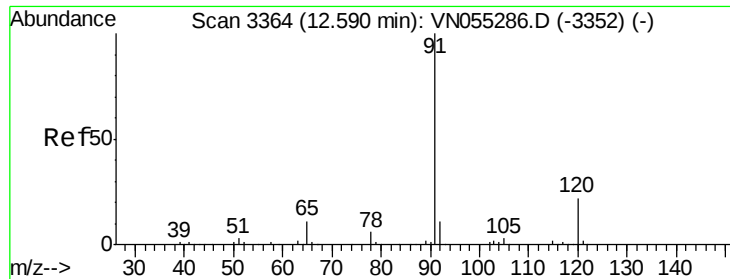
120 26.3 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

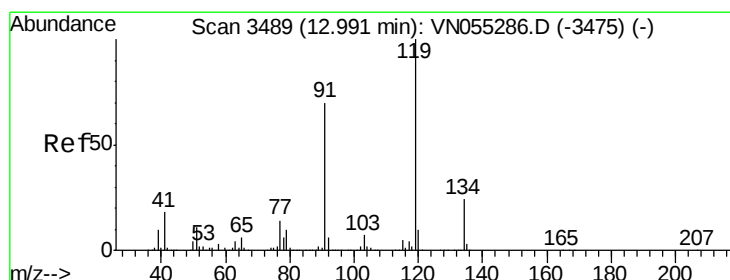
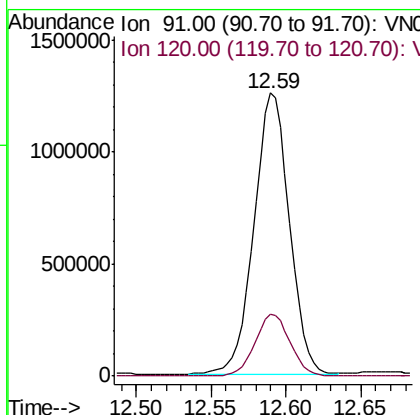
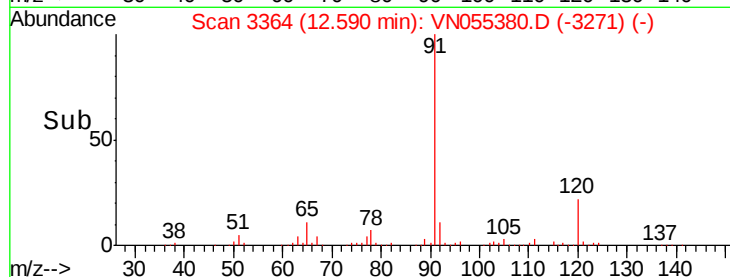
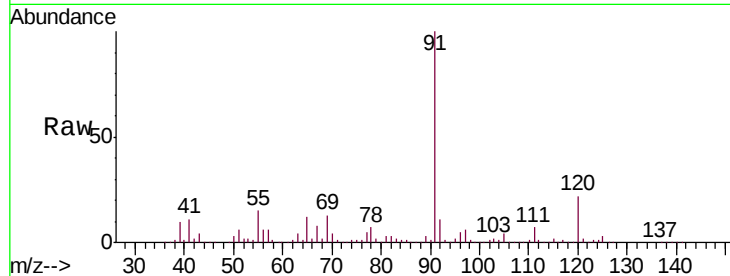




#78
n-propylbenzene
Concen: 66.789 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN055380.D
Acq: 3 May 2019 11:12

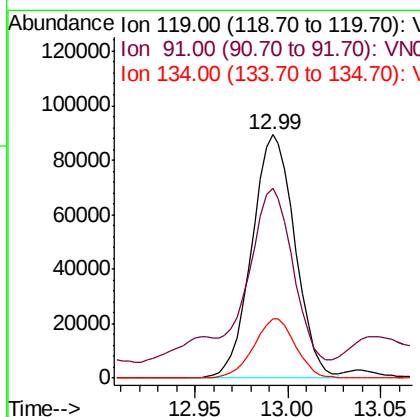
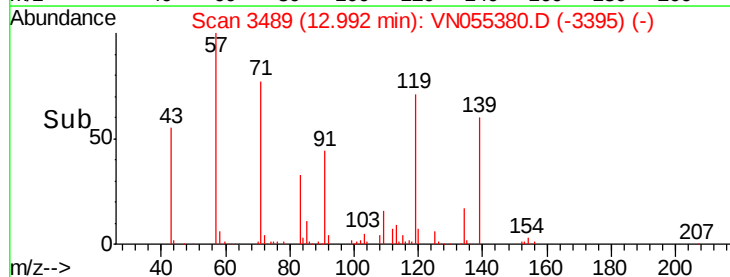
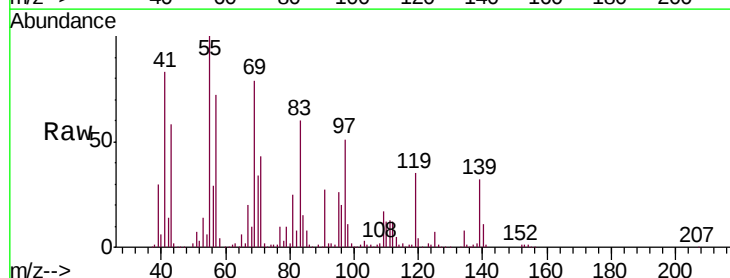
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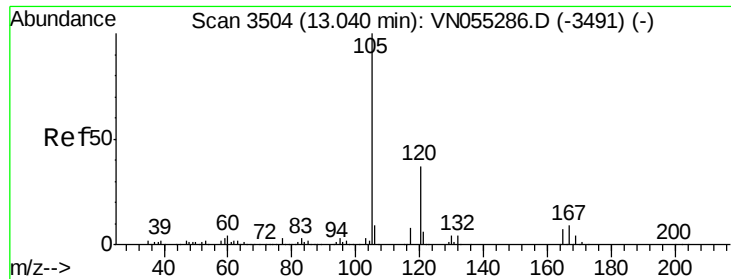
Tgt Ion: 91 Resp: 2051294
Ion Ratio Lower Upper
91 100
120 21.8 11.0 33.0



#83
tert-Butylbenzene
Concen: 6.118 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055380.D
Acq: 3 May 2019 11:12

Tgt Ion: 119 Resp: 143893
Ion Ratio Lower Upper
119 100
91 69.8 34.3 102.9
134 23.6 13.1 39.3

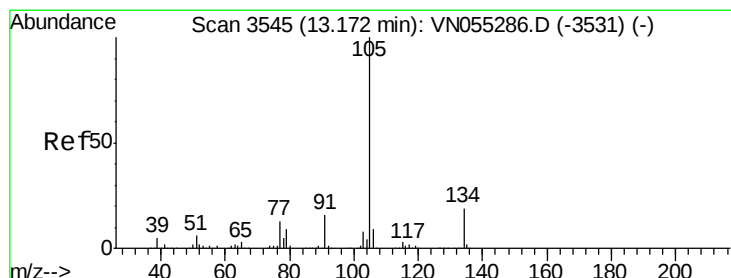
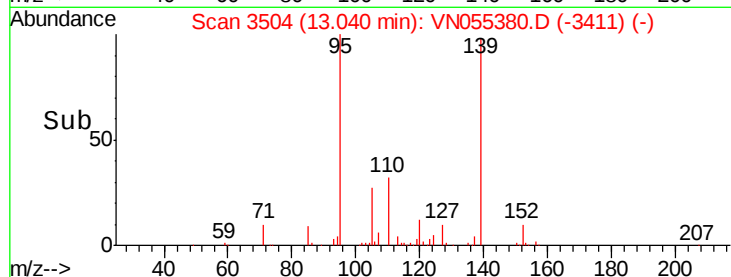
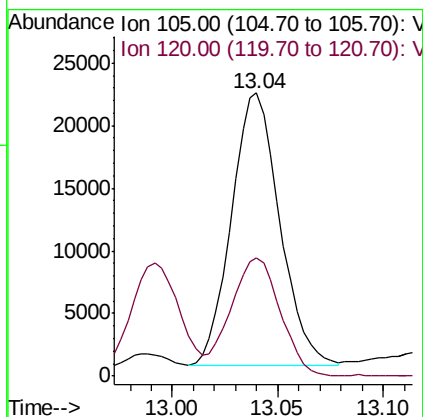
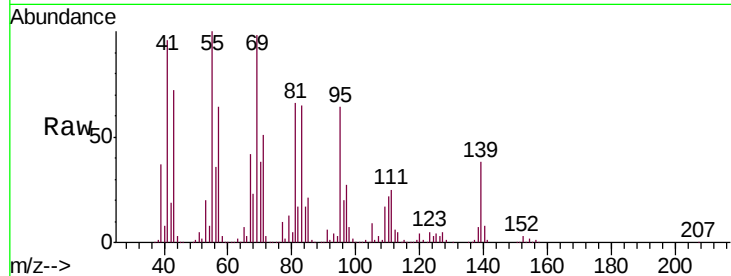




#84
 1,2,4-Trimethylbenzene
 Concen: 1.645 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055380.D
 Acq: 3 May 2019 11:12

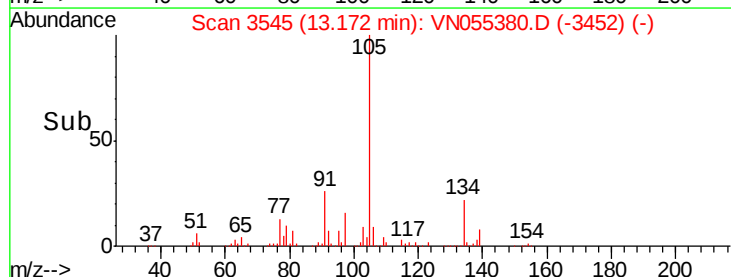
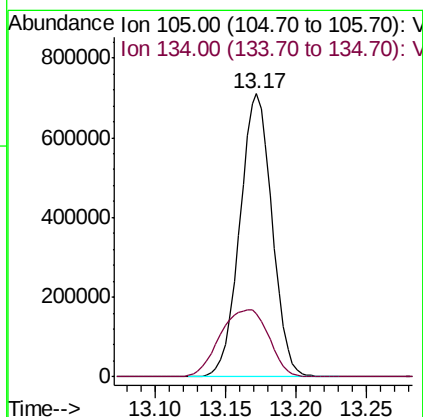
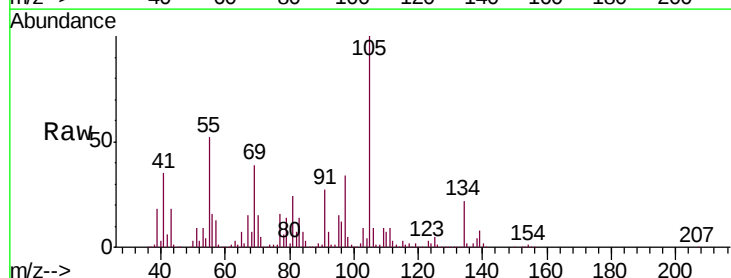
Instrument :
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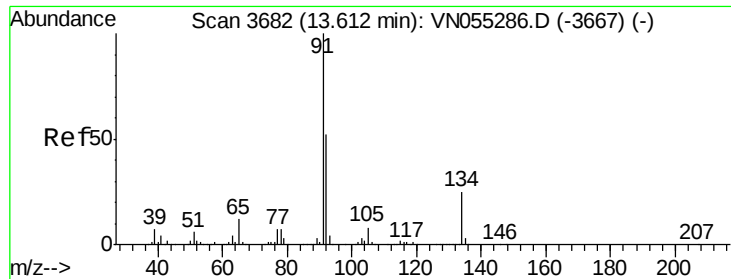
Tgt Ion:105 Resp: 34479
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.1 66.5



#85
 sec-Butylbenzene
 Concen: 44.336 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055380.D
 Acq: 3 May 2019 11:12

Tgt Ion:105 Resp: 1129555
 Ion Ratio Lower Upper
 105 100
 134 36.0 9.6 28.8#





#89

n-Butylbenzene

Concen: 50.853 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055380.D

Acq: 3 May 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E3-4(17-20)

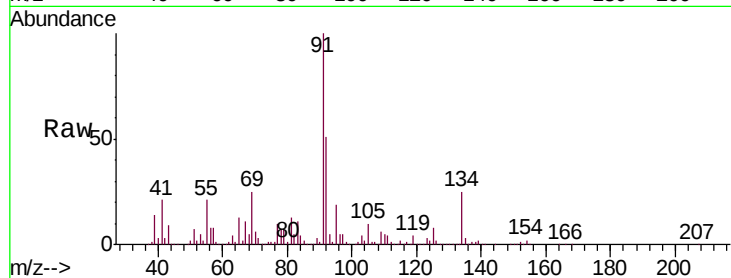
Tgt Ion: 91 Resp: 756672

Ion Ratio Lower Upper

91 100

92 49.6 26.1 78.3

134 35.2 12.4 37.4



Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V

