

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054807.D
 Acq On : 30 Mar 2019 17:19
 Operator : JC/SP
 Sample : K2176-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 QNWP8-MW24S-GW

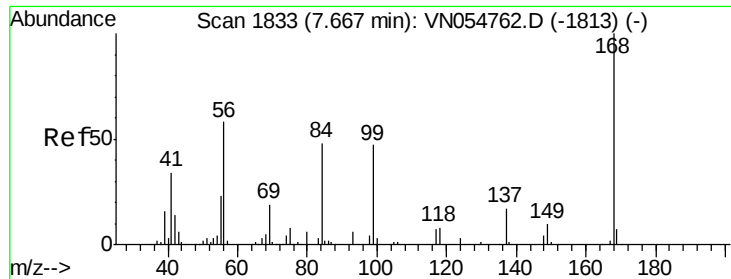
Quant Time: Mar 30 23:38:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	527443	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	873824	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	745000	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	306343	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	360488	50.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.40%	
35) Dibromofluoromethane	7.59	113	279222	47.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.86%	
50) Toluene-d8	10.09	98	1043348	48.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.34%	
62) 4-Bromofluorobenzene	12.40	95	334923	46.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
40) Benzene	8.04	78	19429	0.834	ug/l	96
67) Ethyl Benzene	11.51	91	69518	2.641	ug/l	96
68) m/p-Xylenes	11.62	106	16383	1.682	ug/l	97
69) o-Xylene	11.95	106	9900	1.036	ug/l	88
73) Isopropylbenzene	12.25	105	17122	0.684	ug/l	96
78) n-propylbenzene	12.59	91	8839	0.321	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	11338	0.552	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	50083	2.559	ug/l	99
89) n-Butylbenzene	13.62	91	5101	0.318	ug/l	90
95) Naphthalene	15.13	128	2599311	235.426	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054807.D

Acq: 30 Mar 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

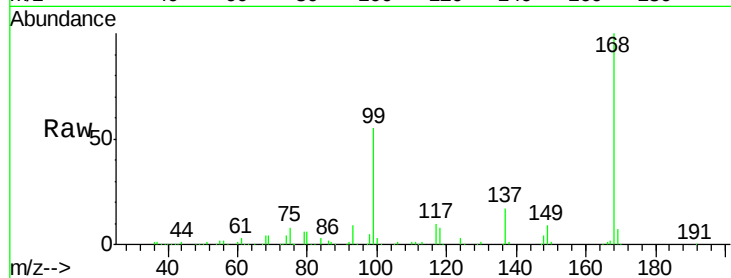
QNWP8-MW24S-GW

Tot Ion:168 Resp: 527443

Ion Ratio Lower Upper

168 100

99 54.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

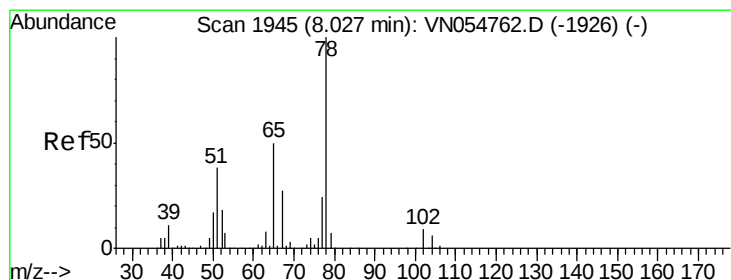
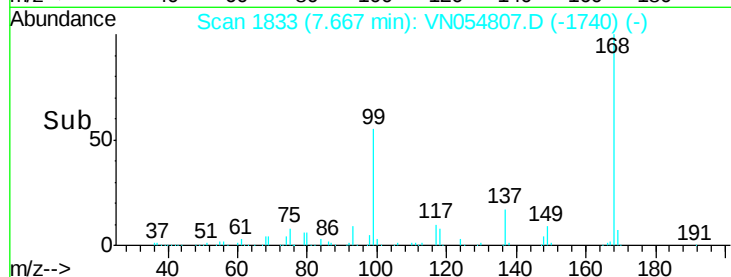
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.701 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054807.D

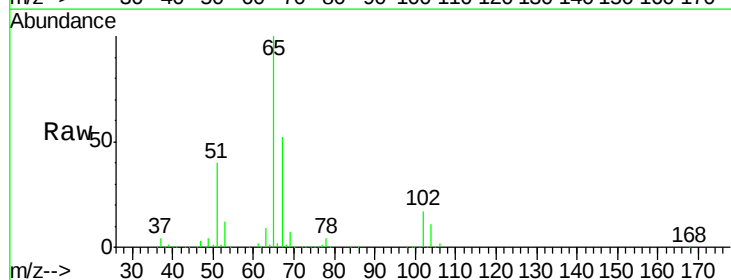
Acq: 30 Mar 2019 17:19

Tgt Ion: 65 Resp: 360488

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN

8.03

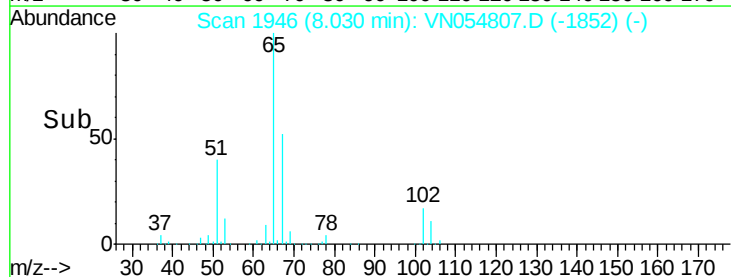
150000

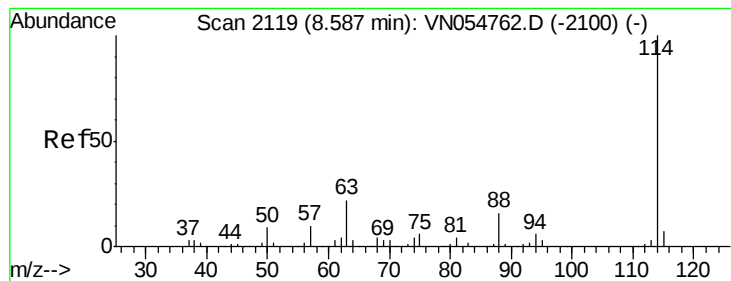
100000

50000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054807.D

Acq: 30 Mar 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

QNWP8-MW24S-GW

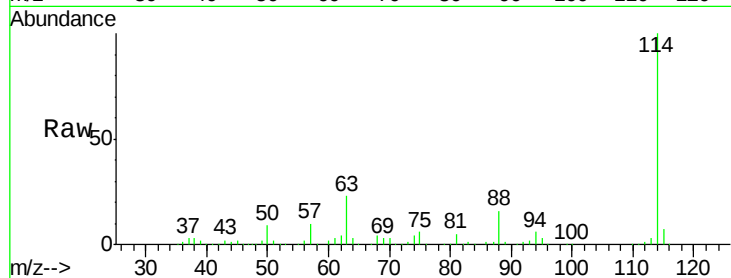
Tot Ion:114 Resp: 873824

Ion Ratio Lower Upper

114 100

63 22.7 0.0 35.2

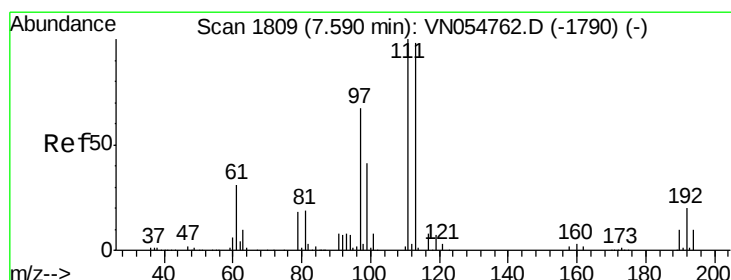
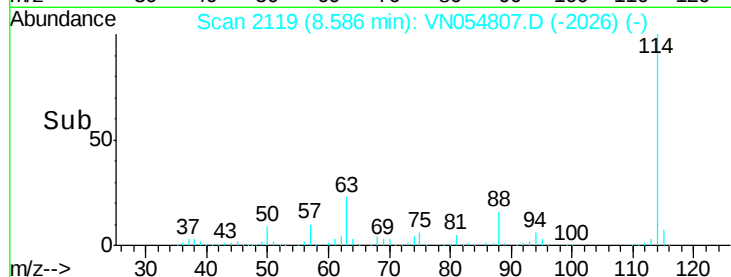
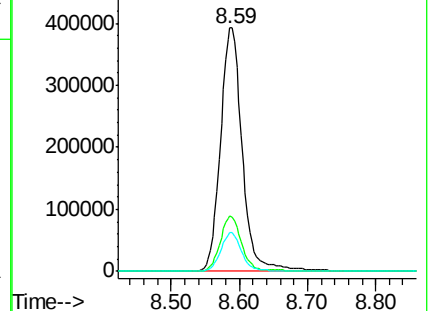
88 16.0 0.0 30.2



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: 47.929 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054807.D

Acq: 30 Mar 2019 17:19

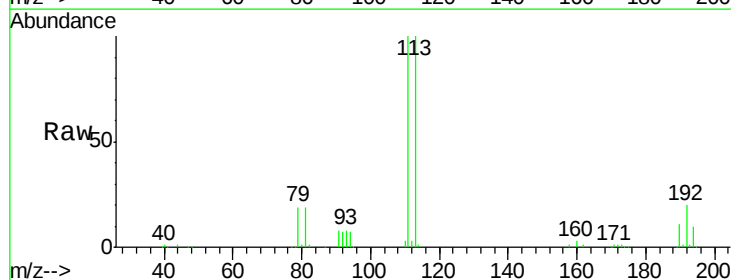
Tgt Ion:113 Resp: 279222

Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.4

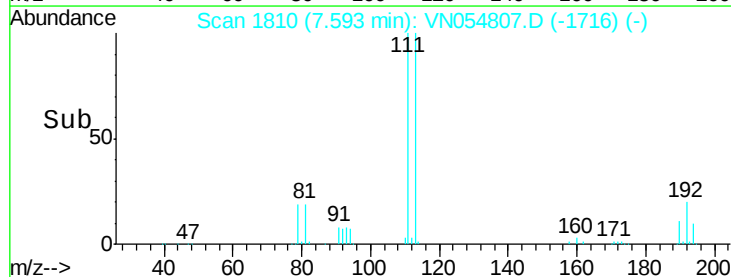
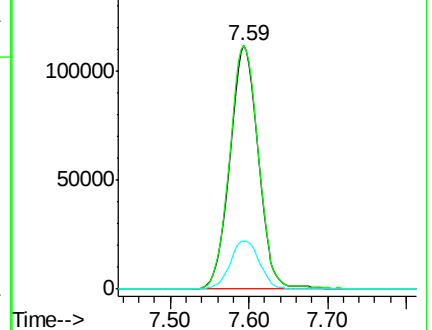
192 20.7 19.2 28.8

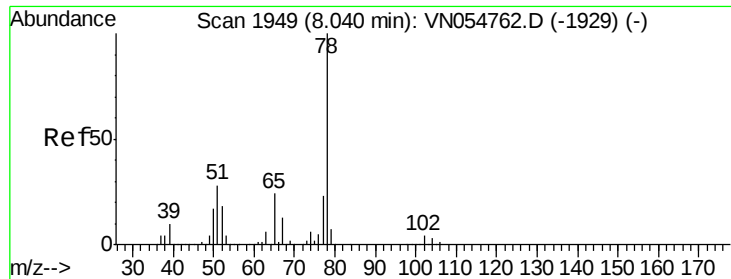


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 0.834 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN054807.D

Acq: 30 Mar 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

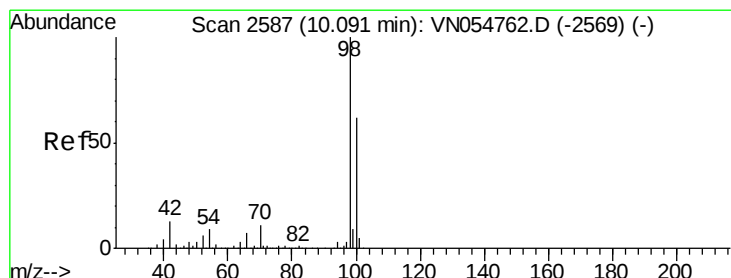
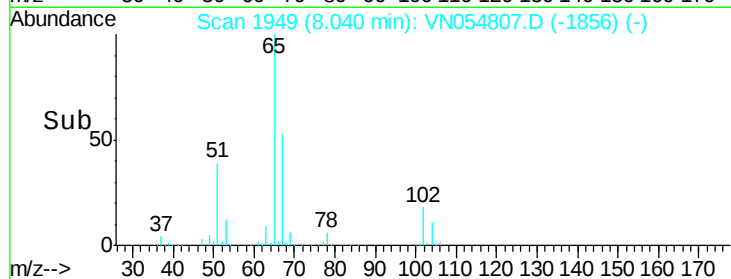
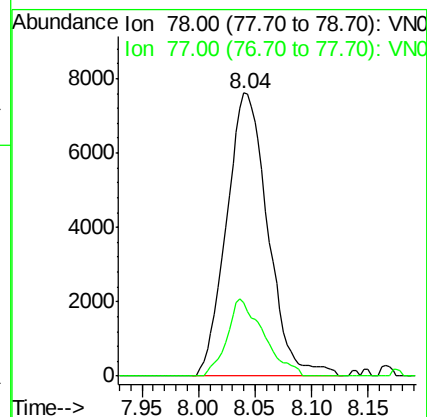
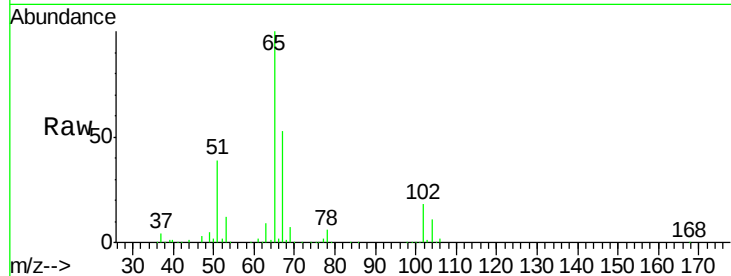
QNWP8-MW24S-GW

Tot Ion: 78 Resp: 19429

Ion Ratio Lower Upper

78 100

77 25.9 19.1 28.7



#50

Toluene-d8

Concen: 48.172 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054807.D

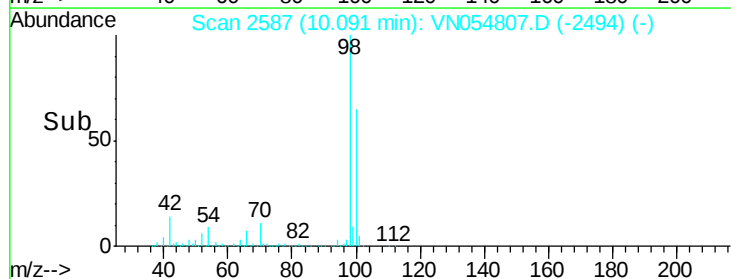
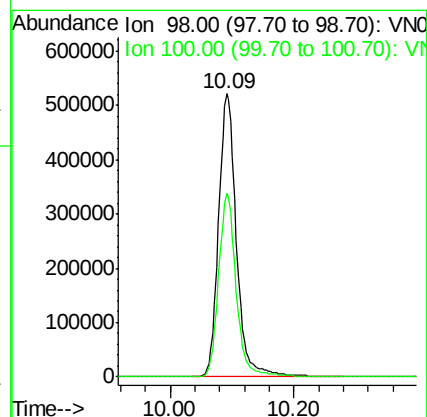
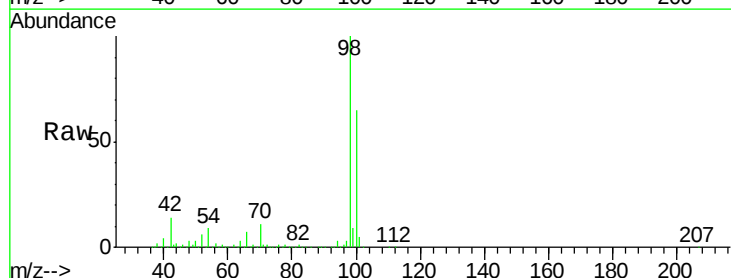
Acq: 30 Mar 2019 17:19

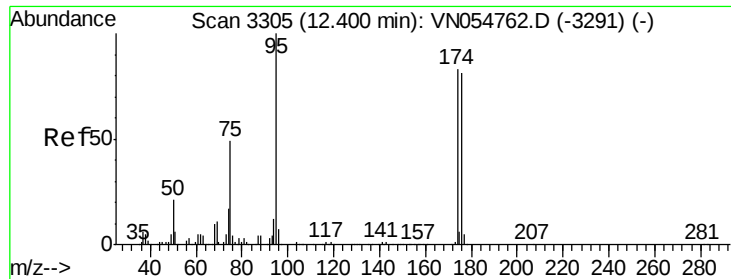
Tgt Ion: 98 Resp: 1043348

Ion Ratio Lower Upper

98 100

100 63.9 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 46.497 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054807.D

Acq: 30 Mar 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

QNWP8-MW24S-GW

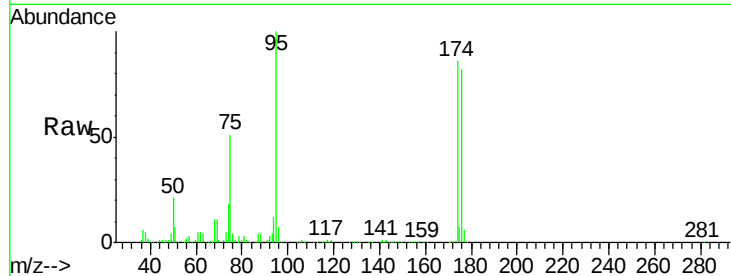
Tot Ion: 95 Resp: 334923

Ion Ratio Lower Upper

95 100

174 85.4 0.0 191.0

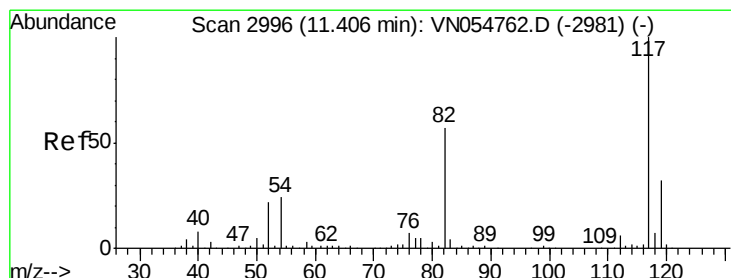
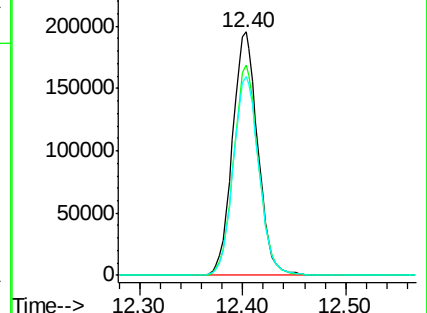
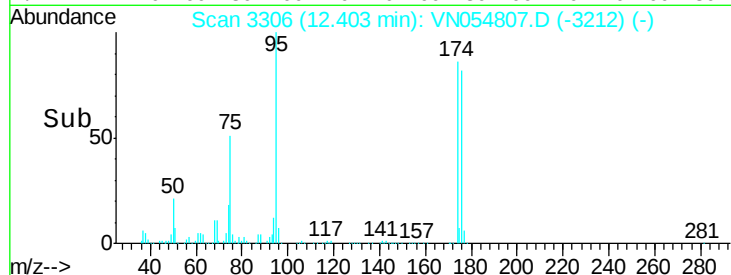
176 82.8 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054807.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN054807.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN054807.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054807.D

Acq: 30 Mar 2019 17:19

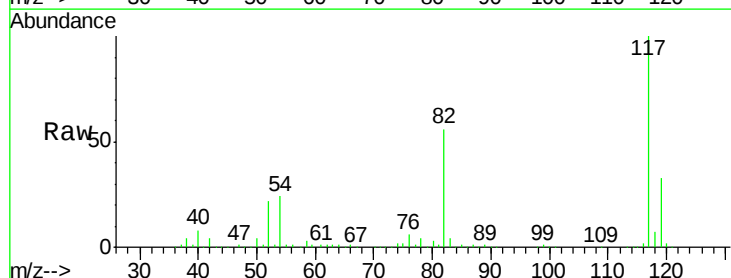
Tgt Ion: 117 Resp: 745000

Ion Ratio Lower Upper

117 100

82 56.4 40.0 60.0

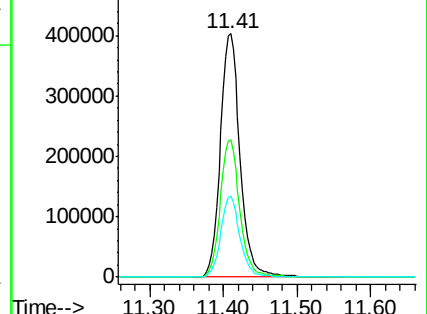
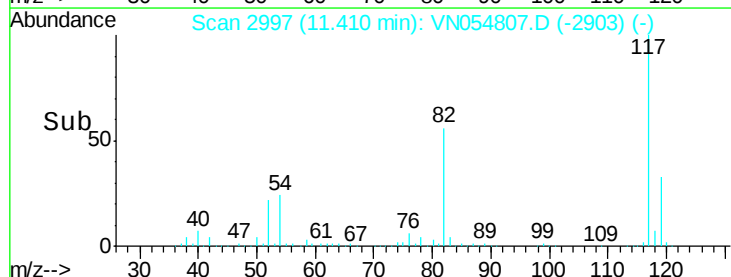
119 33.1 25.8 38.6

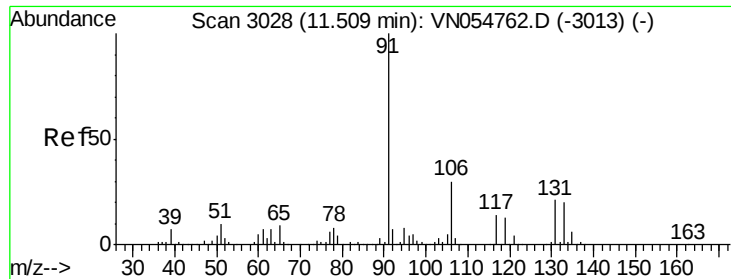


Abundance Ion 116.90 (116.60 to 117.60): VN054807.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054807.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054807.D (-2903) (-)

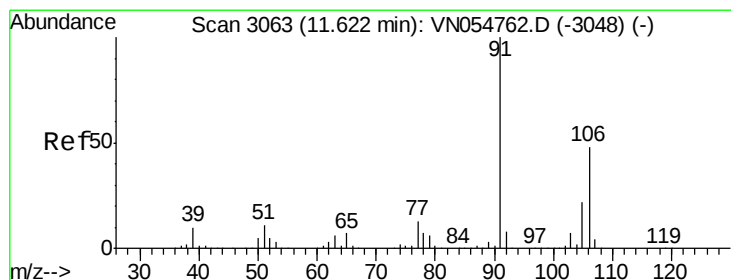
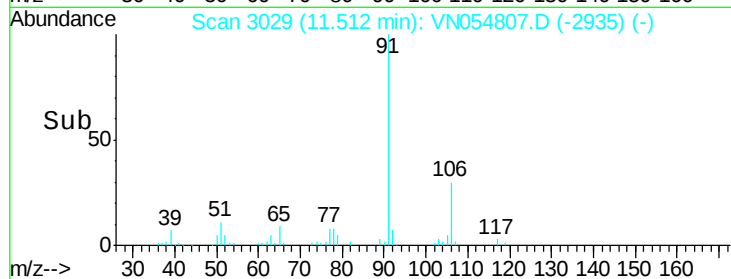
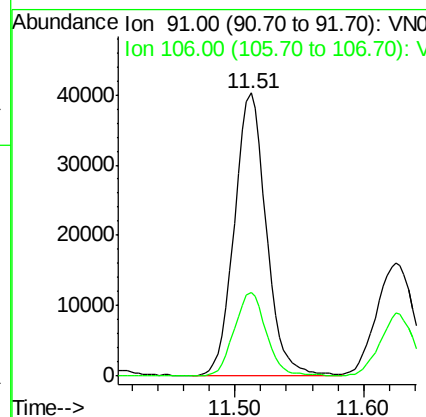
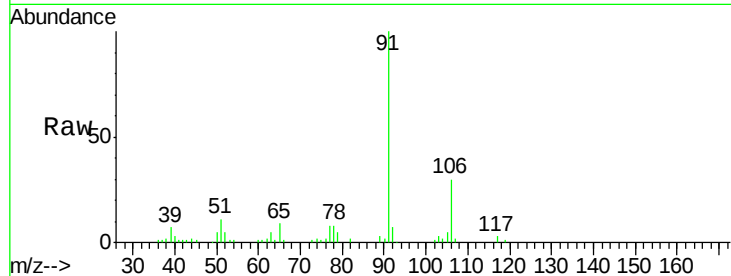




#67
Ethyl Benzene
Concen: 2.641 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054807.D
Acq: 30 Mar 2019 17:19

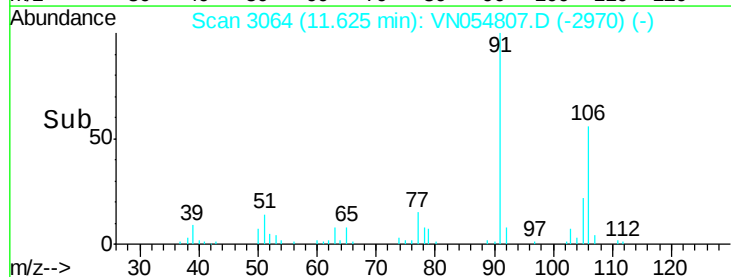
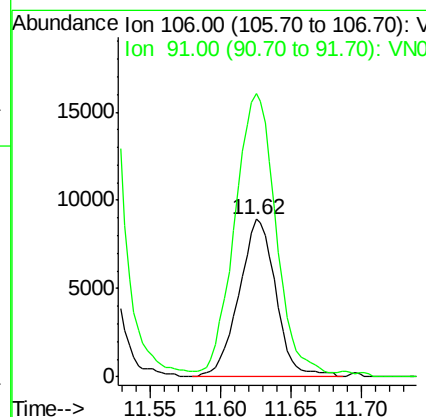
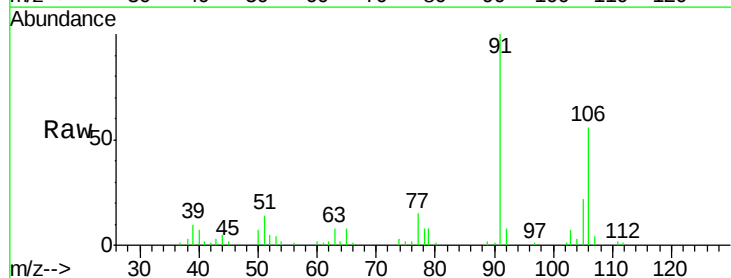
Instrument :
MSVOA_N
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QNWP8-MW24S-GW

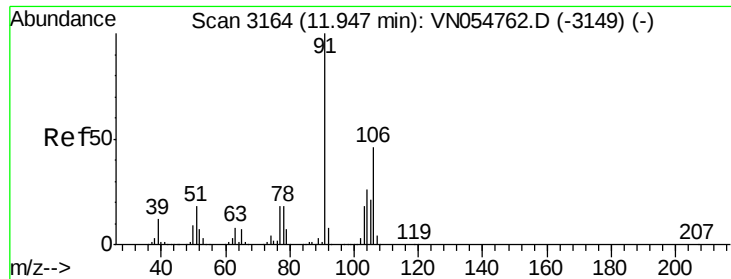
Tot Ion: 91 Resp: 69518
Ion Ratio Lower Upper
91 100
106 29.7 25.5 38.3



#68
m/p-Xylenes
Concen: 1.682 ug/l
RT: 11.62 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN054807.D
Acq: 30 Mar 2019 17:19

Tgt Ion: 106 Resp: 16383
Ion Ratio Lower Upper
106 100
91 194.7 159.4 239.2

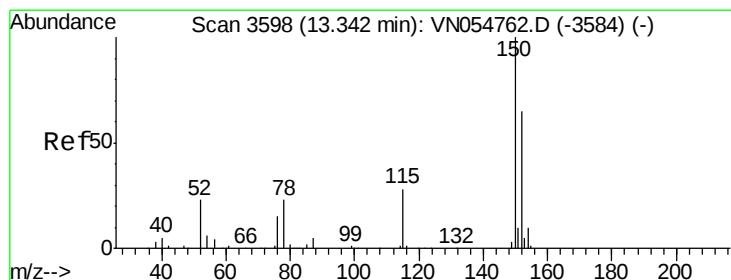
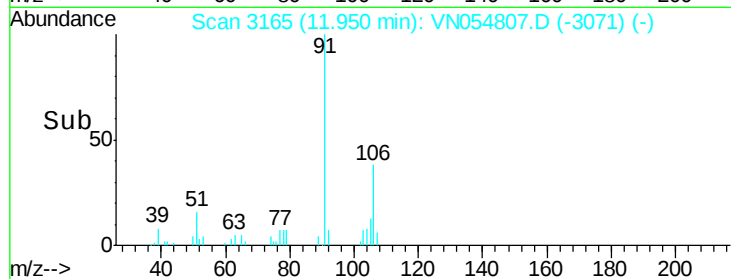
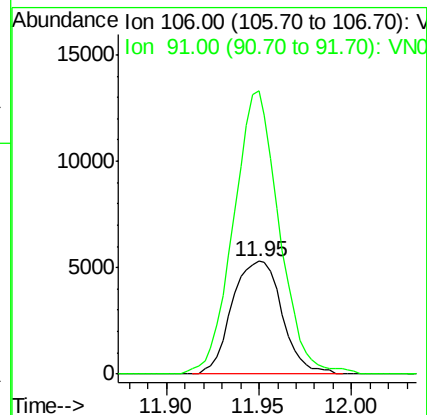
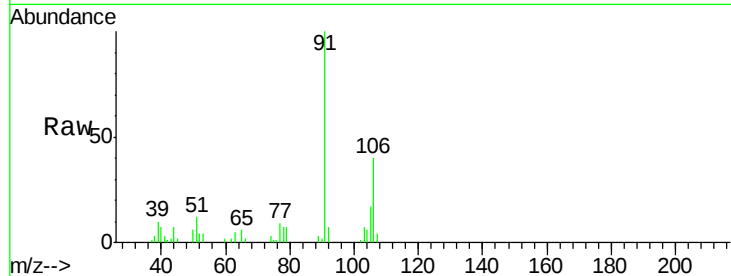




#69
o-Xylene
Concen: 1.036 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054807.D
Acq: 30 Mar 2019 17:19

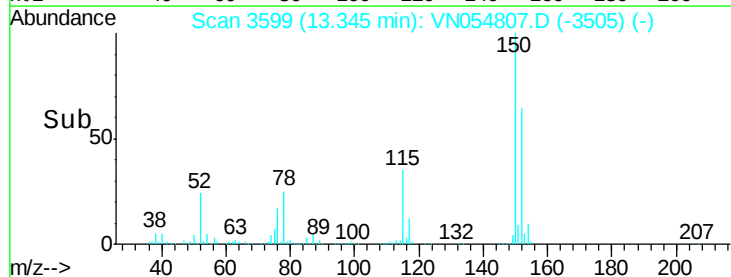
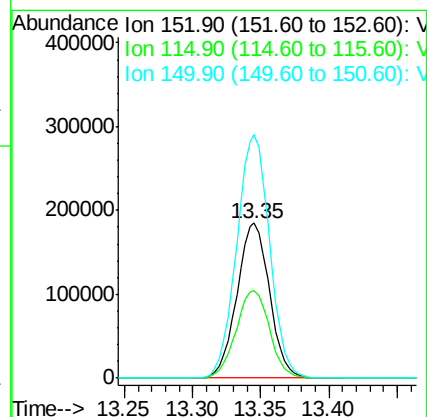
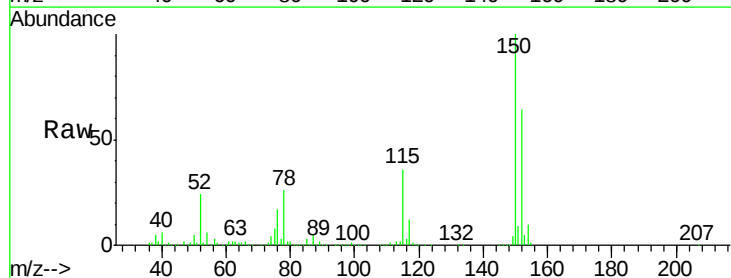
Instrument :
MSVOA_N
ClientSampleId :
QNWP8-MW24S-GW

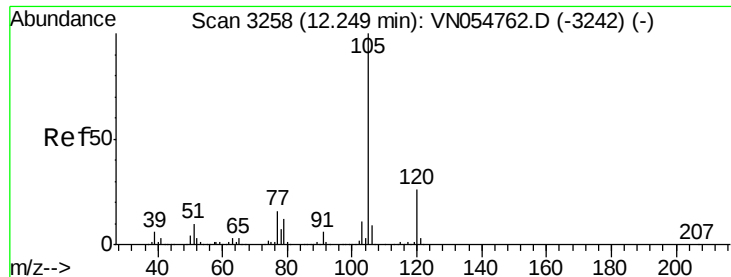
Tot Ion:106 Resp: 9900
Ion Ratio Lower Upper
106 100
91 229.9 105.7 317.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054807.D
Acq: 30 Mar 2019 17:19

Tgt Ion:152 Resp: 306343
Ion Ratio Lower Upper
152 100
115 57.8 27.2 81.6
150 158.5 0.0 349.2





#73

Isopropylbenzene

Concen: 0.684 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054807.D

Acq: 30 Mar 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

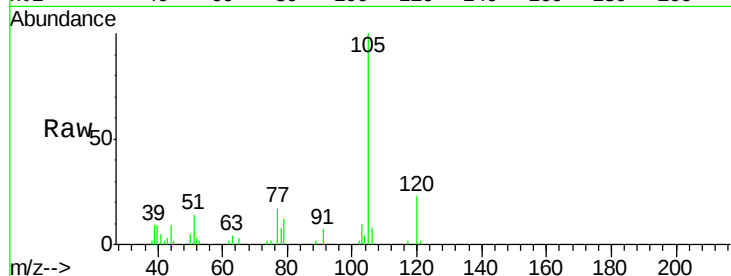
QNWP8-MW24S-GW

Tot Ion:105 Resp: 17122

Ion Ratio Lower Upper

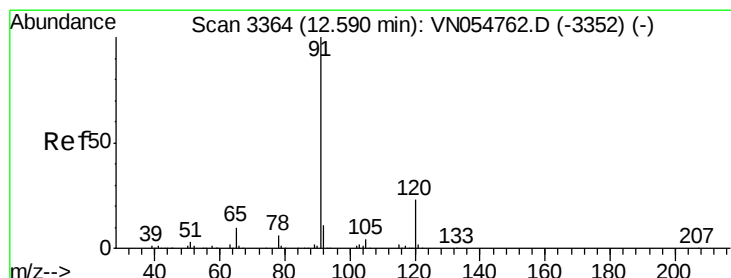
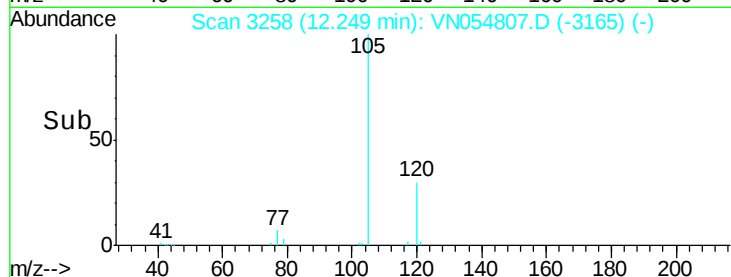
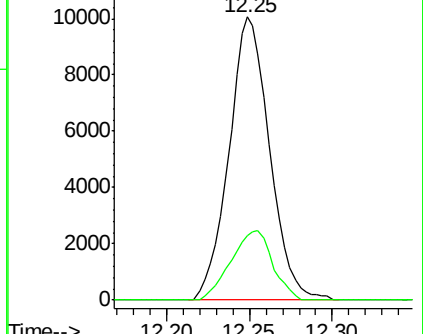
105 100

120 25.2 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 0.321 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054807.D

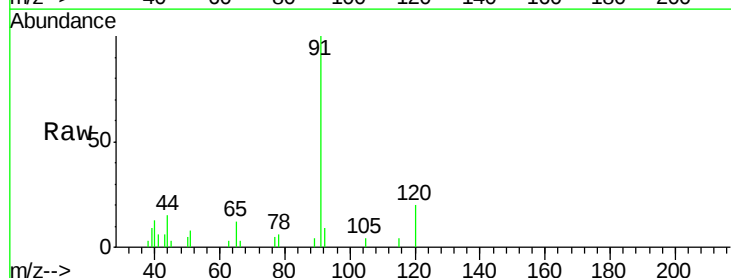
Acq: 30 Mar 2019 17:19

Tgt Ion: 91 Resp: 8839

Ion Ratio Lower Upper

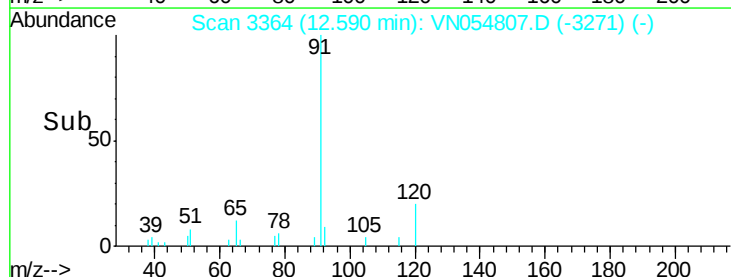
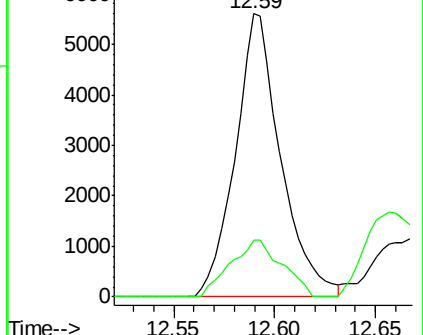
91 100

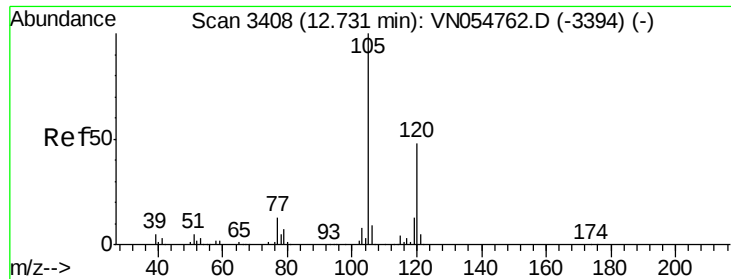
120 22.6 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

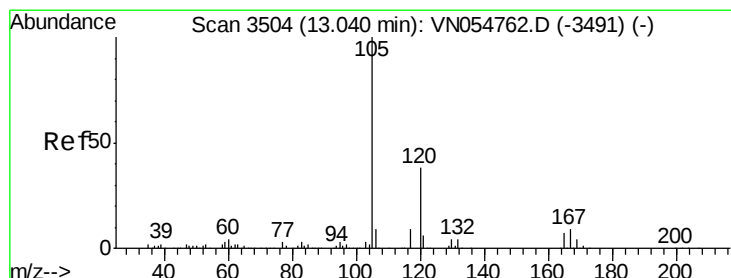
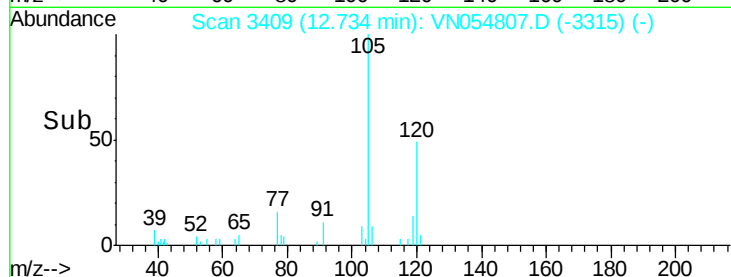
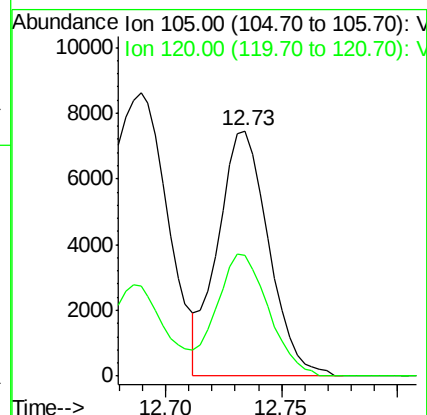
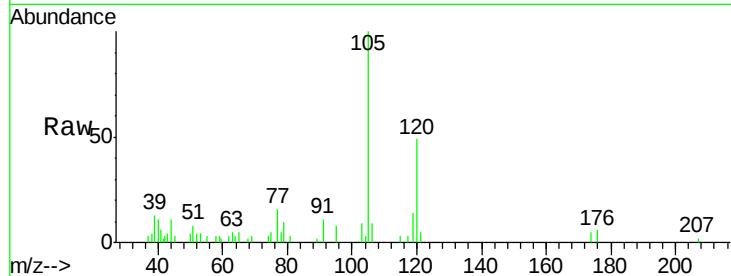




#80
 1,3,5-Trimethylbenzene
 Concen: 0.552 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN054807.D
 Acq: 30 Mar 2019 17:19

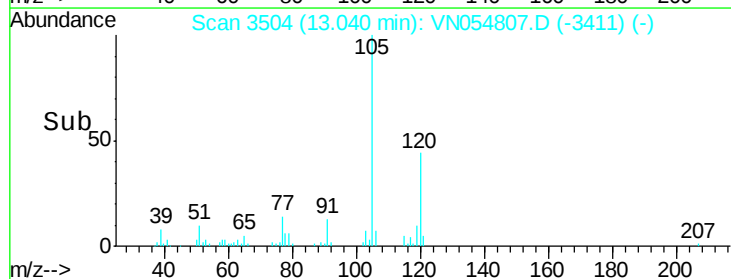
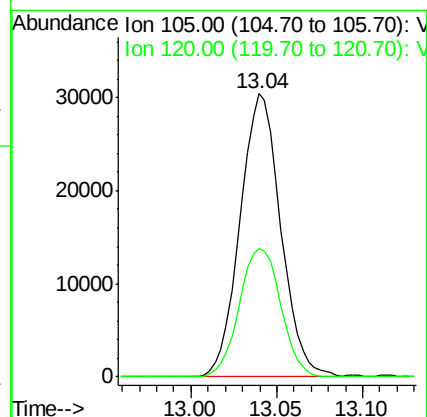
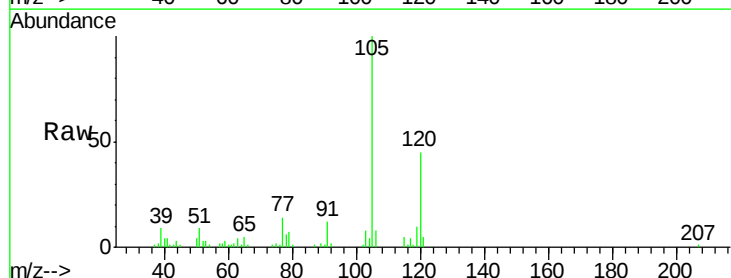
Instrument :
 MSVOA_N
 ClientSampleId :
 QNWP8-MW24S-GW

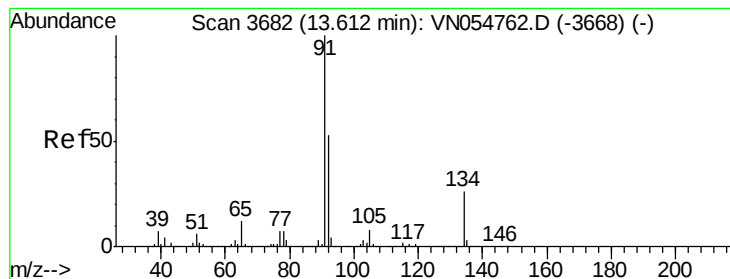
Tot Ion:105 Resp: 11338
 Ion Ratio Lower Upper
 105 100
 120 51.0 25.0 75.0



#84
 1,2,4-Trimethylbenzene
 Concen: 2.559 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054807.D
 Acq: 30 Mar 2019 17:19

Tgt Ion:105 Resp: 50083
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.4 70.3





#89

n-Butylbenzene

Concen: 0.318 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054807.D

Acq: 30 Mar 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

QNWP8-MW24S-GW

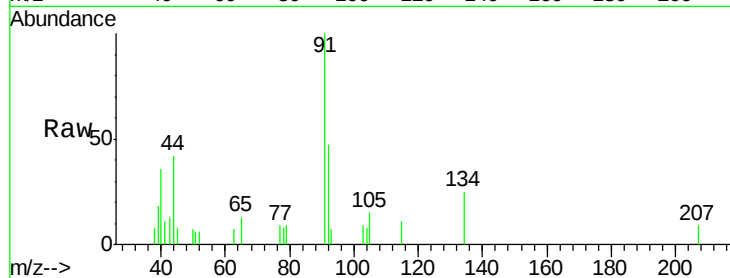
Tot Ion: 91 Resp: 5101

Ion Ratio Lower Upper

91 100

92 44.9 26.2 78.6

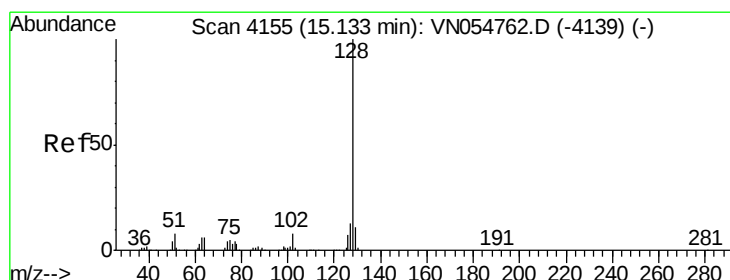
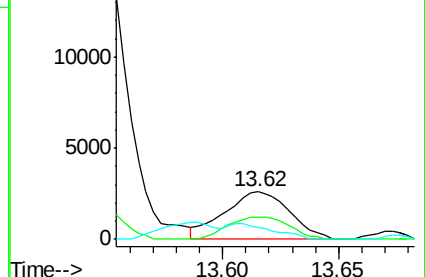
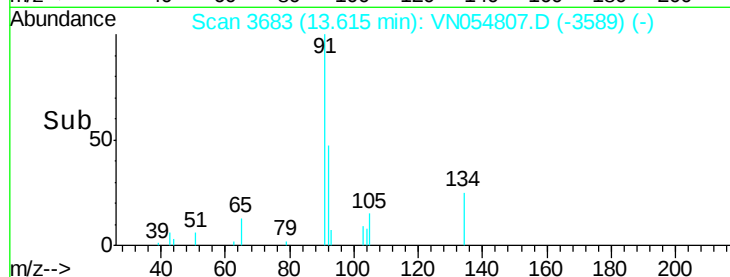
134 23.2 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054807.D (-3589) (-)

Ion 92.00 (91.70 to 92.70): VN054807.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN054807.D (-3589) (-)



#95

Naphthalene

Concen: 235.426 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054807.D

Acq: 30 Mar 2019 17:19

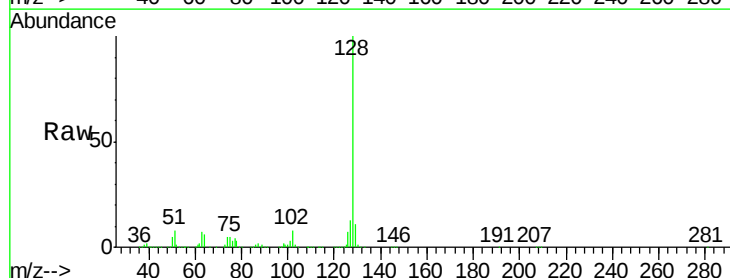
Tgt Ion: 128 Resp: 2599311

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): VN054807.D (-4062) (-)

Ion 127.00 (126.70 to 127.70): VN054807.D (-4062) (-)

Ion 129.00 (128.70 to 129.70): VN054807.D (-4062) (-)

