

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054816.D
 Acq On : 30 Mar 2019 21:18
 Operator : JC/SP
 Sample : K2176-01DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 QNWP8-MW27S-GWDL

Quant Time: Mar 31 00:04:09 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	531930	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	876943	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	709784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	247034	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	353468	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
35) Dibromofluoromethane	7.59	113	279302	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	
50) Toluene-d8	10.09	98	1030910	47.43	ug/l	0.00
Spiked Amount			Recovery	=	94.86%	
62) 4-Bromofluorobenzene	12.40	95	307348	42.52	ug/l	0.00
Spiked Amount			Recovery	=	85.04%	

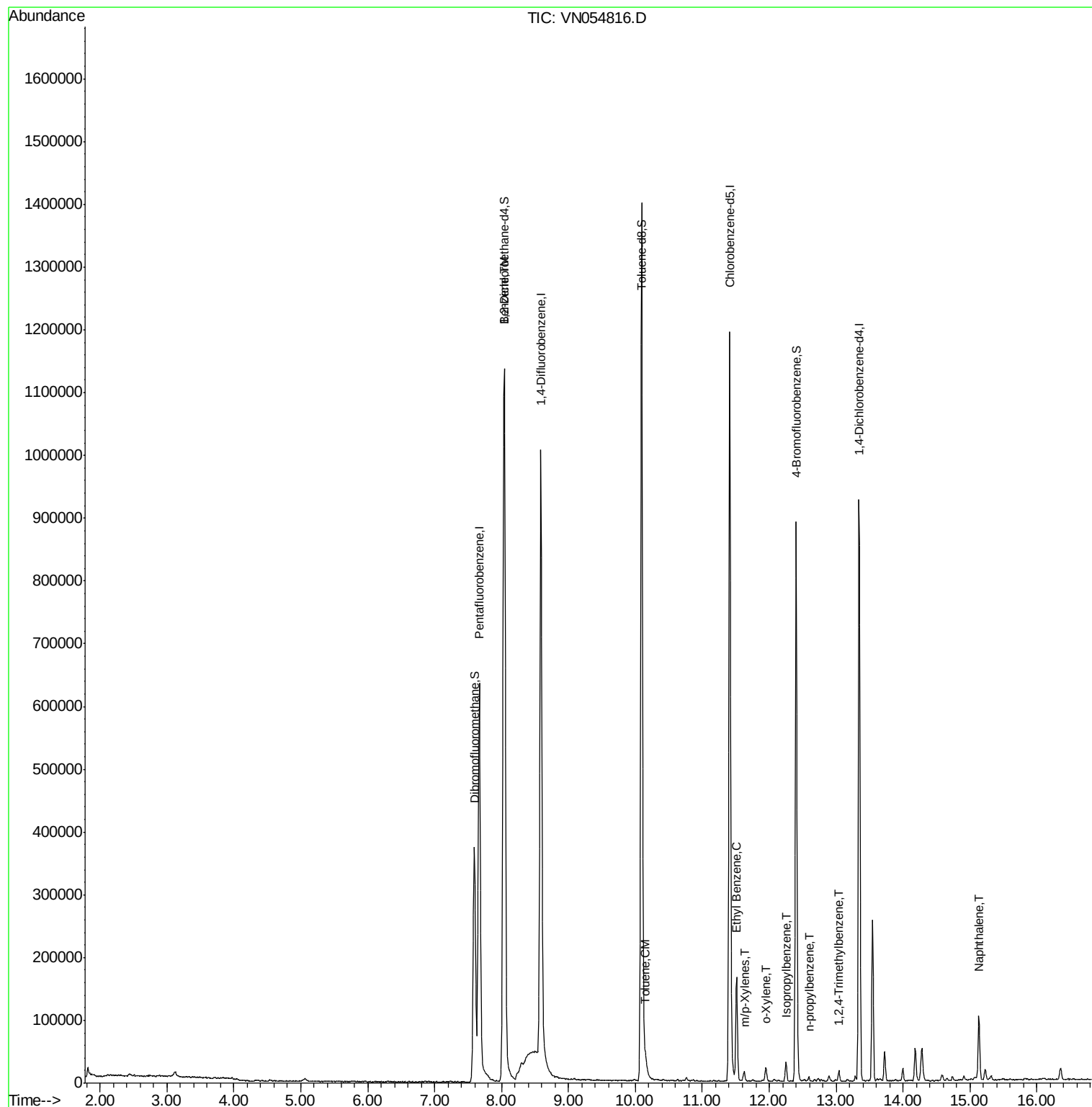
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
40) Benzene	8.04	78	882098	37.726	ug/l	100
52) Toluene	10.15	92	4389	0.315	ug/l	96
67) Ethyl Benzene	11.51	91	120419	4.802	ug/l	94
68) m/p-Xylenes	11.63	106	4474	0.482	ug/l	93
69) o-Xylene	11.95	106	5930	0.652	ug/l	97
73) Isopropylbenzene	12.25	105	19572	0.969	ug/l	100
78) n-propylbenzene	12.59	91	6407	0.289	ug/l	91
84) 1,2,4-Trimethylbenzene	13.04	105	9702	0.615	ug/l	96
95) Naphthalene	15.13	128	84062	9.442	ug/l	99

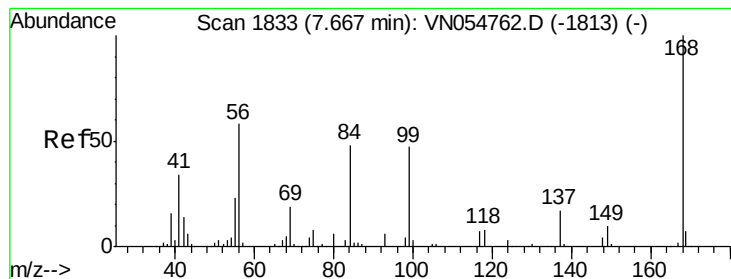
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054816.D

Acq: 30 Mar 2019 21:18

Instrument :

MSVOA_N

ClientSampleId :

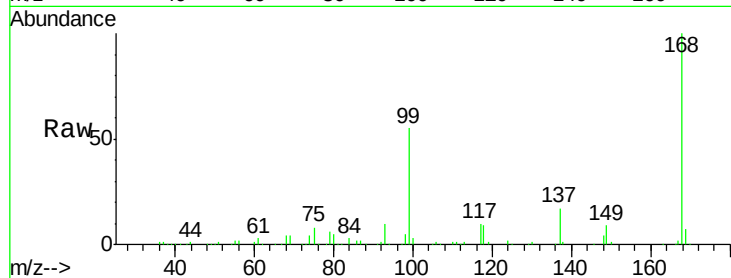
QNWP8-MW27S-GWDL

Tot Ion:168 Resp: 531930

Ion Ratio Lower Upper

168 100

99 54.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054816.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN054816.D (-1740) (-)

7.67

250000

200000

150000

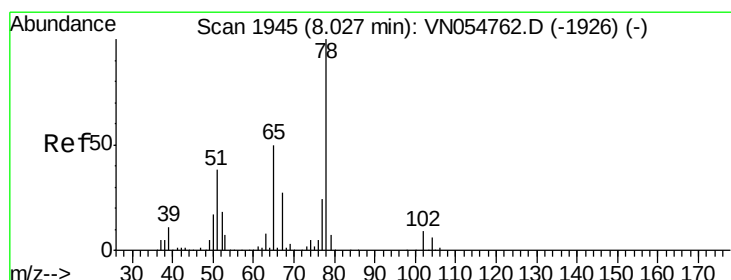
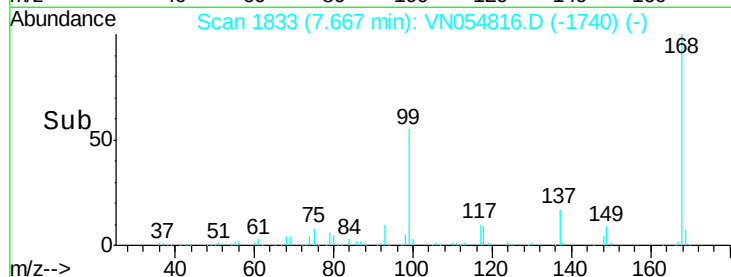
100000

50000

0

Time-->

7.60 7.70 7.80



#33

1,2-Dichloroethane-d4

Concen: 49.294 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054816.D

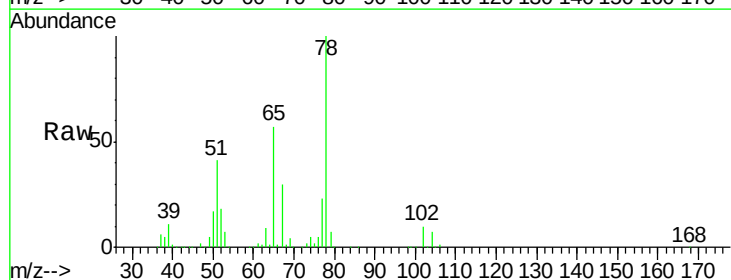
Acq: 30 Mar 2019 21:18

Tgt Ion: 65 Resp: 353468

Ion Ratio Lower Upper

65 100

67 53.1 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054816.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054816.D (-1852) (-)

8.03

150000

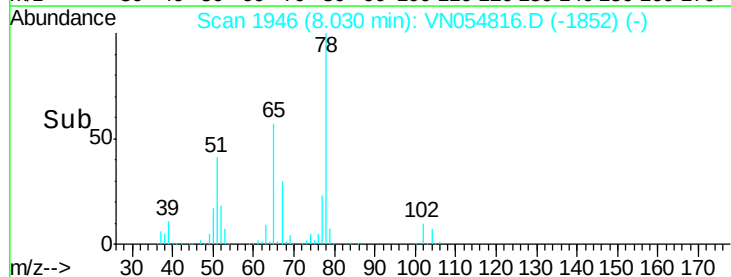
100000

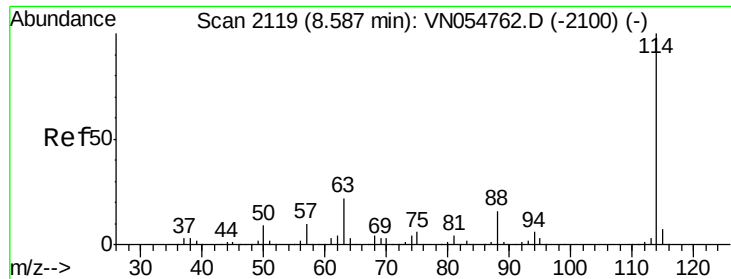
50000

0

Time-->

7.90 8.00 8.10 8.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054816.D

Acq: 30 Mar 2019 21:18

Instrument :

MSVOA_N

ClientSampleId :

QNWP8-MW27S-GWDL

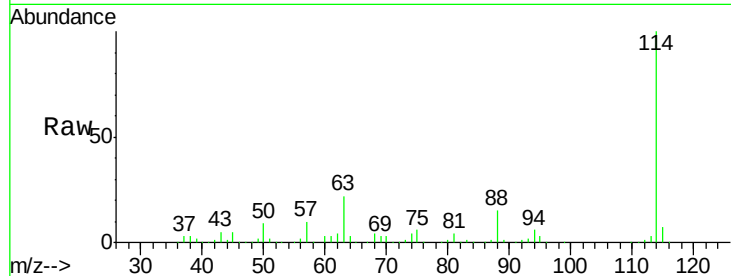
Tot Ion:114 Resp: 876943

Ion Ratio Lower Upper

114 100

63 22.2 0.0 35.2

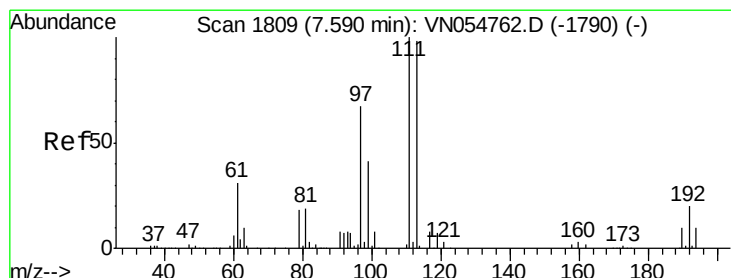
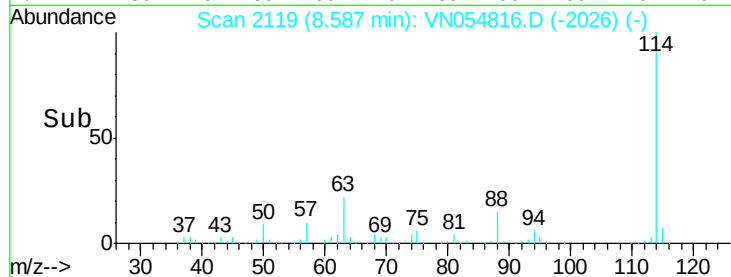
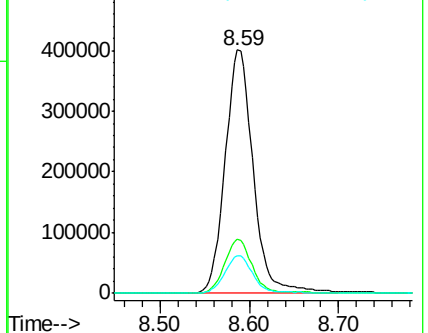
88 15.3 0.0 30.2



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: 47.773 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054816.D

Acq: 30 Mar 2019 21:18

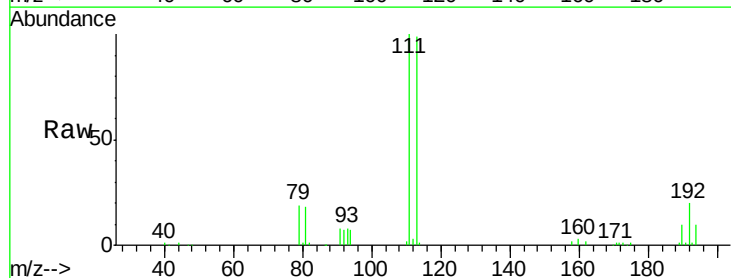
Tgt Ion:113 Resp: 279302

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

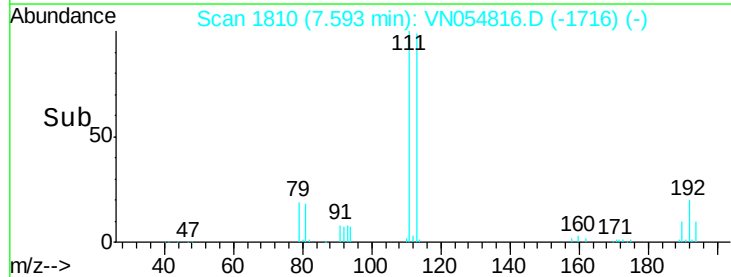
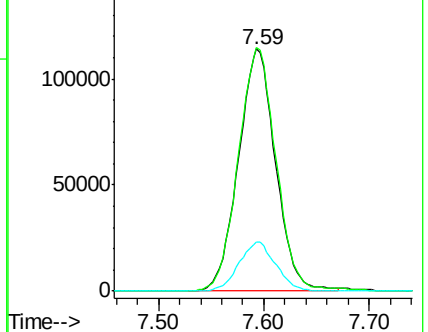
192 20.1 19.2 28.8

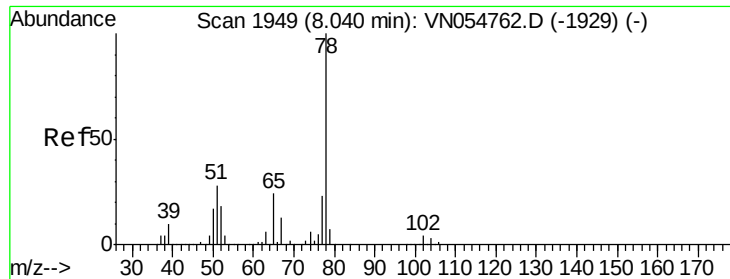


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 37.726 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN054816.D

Acq: 30 Mar 2019 21:18

Instrument :

MSVOA_N

ClientSampleId :

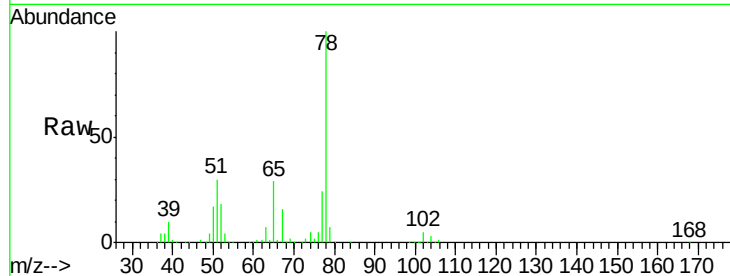
QNWP8-MW27S-GWDL

Tot Ion: 78 Resp: 882098

Ion Ratio Lower Upper

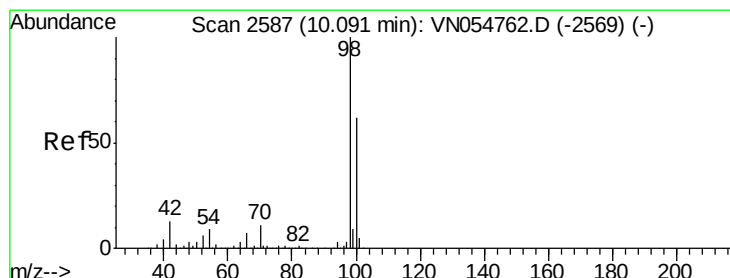
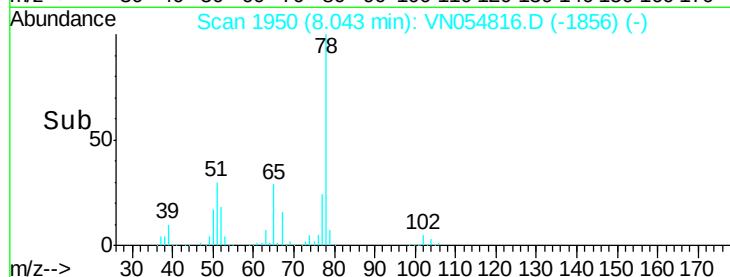
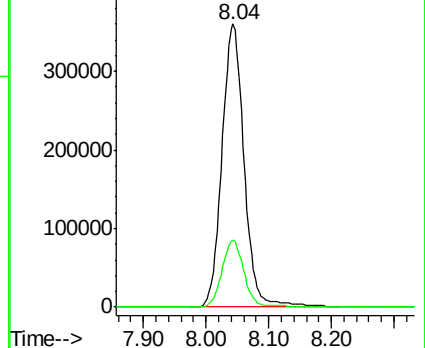
78 100

77 23.7 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#50

Toluene-d8

Concen: 47.429 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054816.D

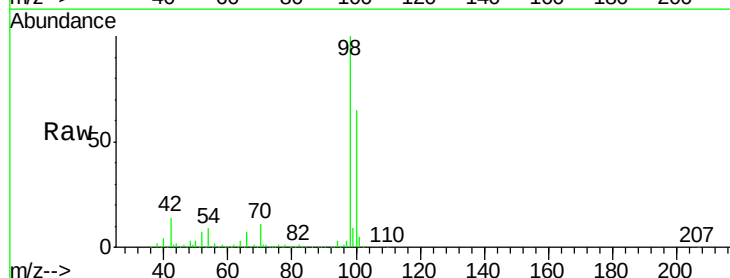
Acq: 30 Mar 2019 21:18

Tgt Ion: 98 Resp: 1030910

Ion Ratio Lower Upper

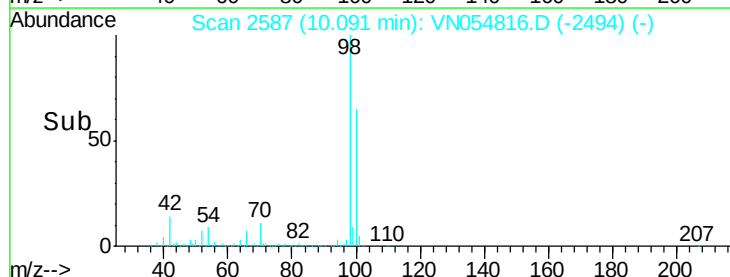
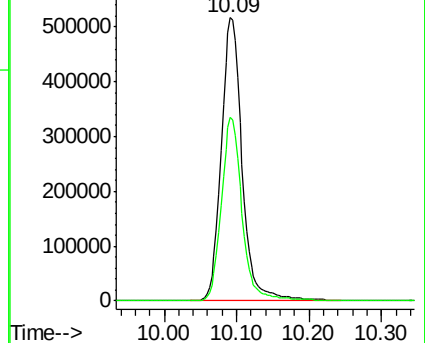
98 100

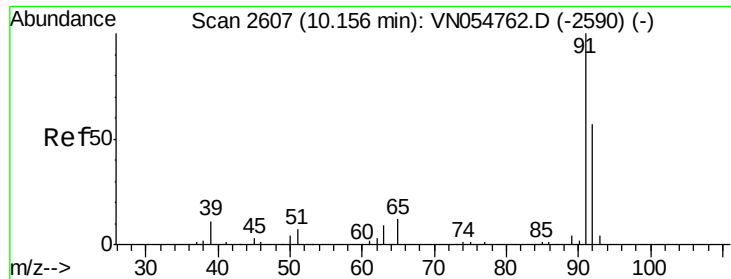
100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#52

Toluene

Concen: 0.315 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN054816.D

Acq: 30 Mar 2019 21:18

Instrument :

MSVOA_N

ClientSampleId :

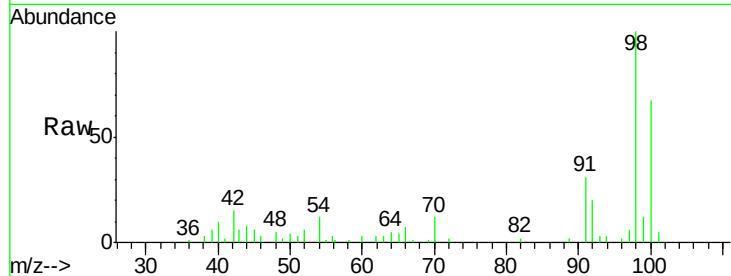
QNWP8-MW27S-GWDL

Tot Ion: 92 Resp: 4389

Ion Ratio Lower Upper

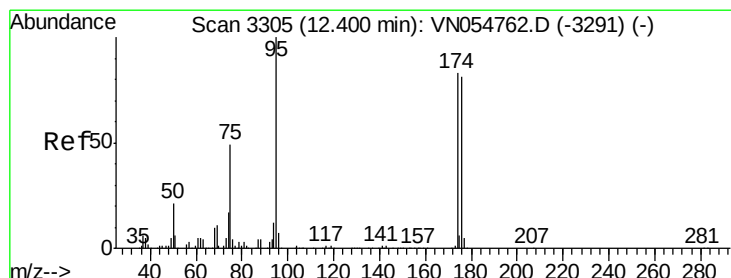
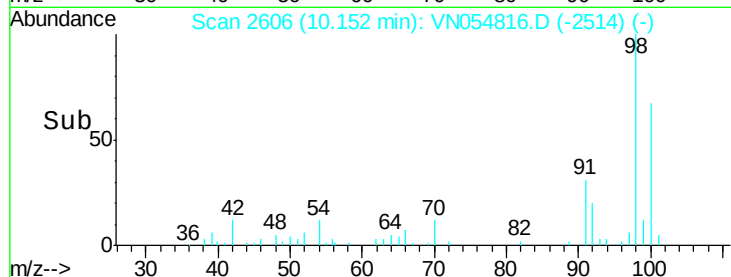
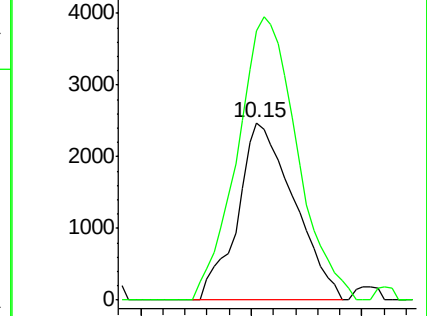
92 100

91 169.7 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: 42.517 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054816.D

Acq: 30 Mar 2019 21:18

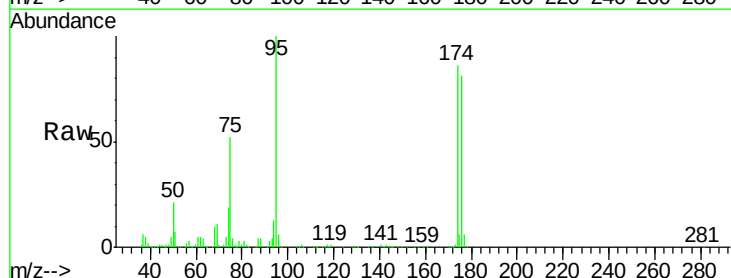
Tgt Ion: 95 Resp: 307348

Ion Ratio Lower Upper

95 100

174 84.6 0.0 191.0

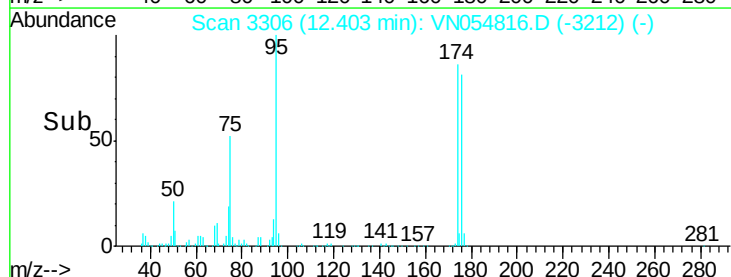
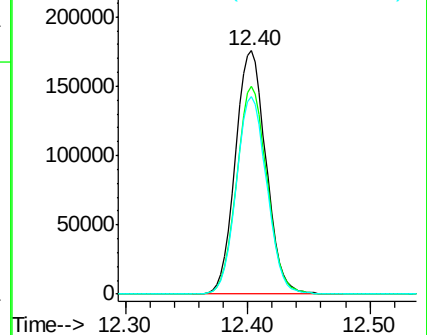
176 80.7 0.0 187.4

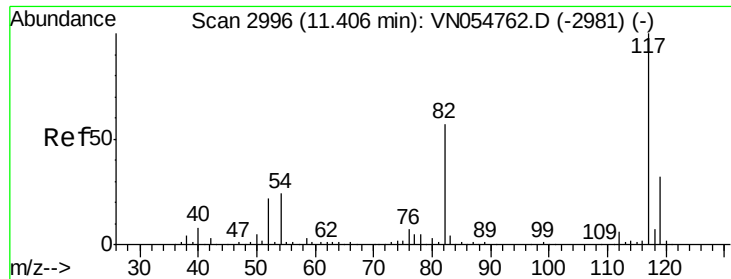


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

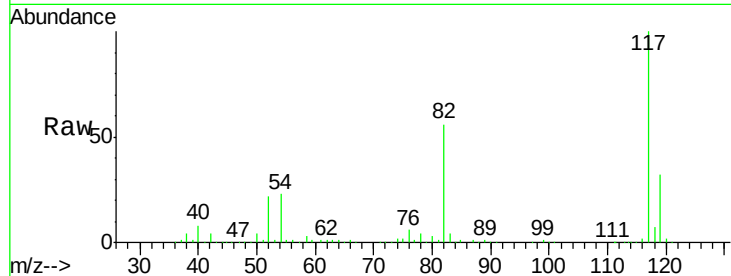




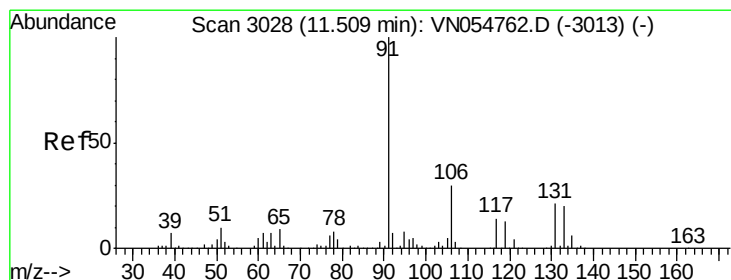
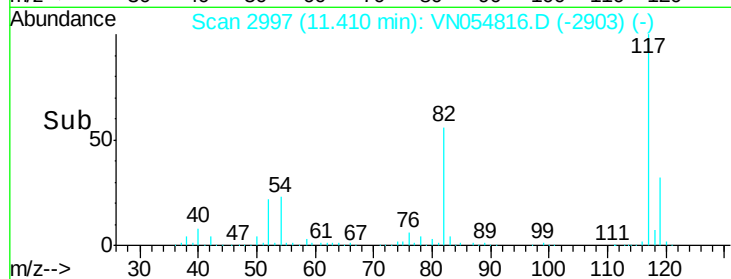
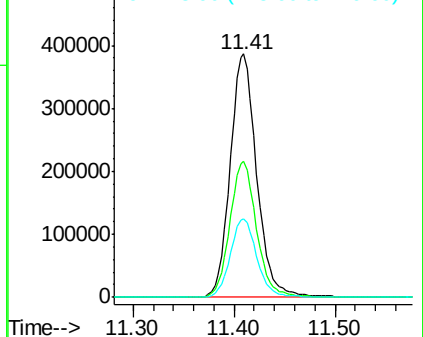
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054816.D
Acq: 30 Mar 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
QNWP8-MW27S-GWDL

Tot Ion:117 Resp: 709784
Ion Ratio Lower Upper
117 100
82 55.8 40.0 60.0
119 32.5 25.8 38.6

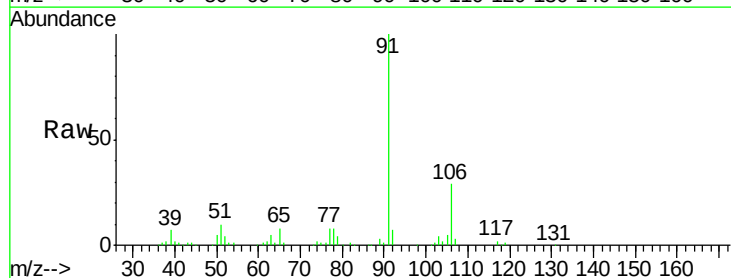


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

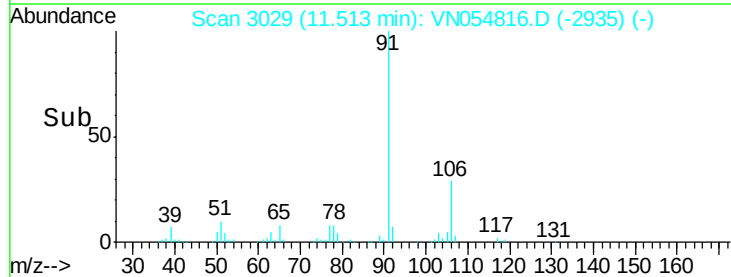
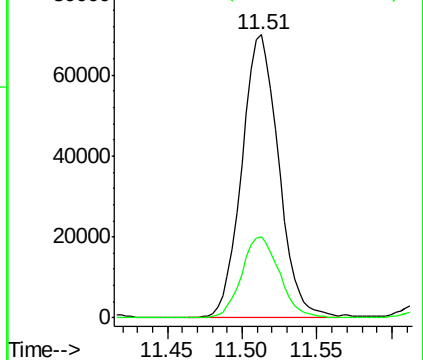


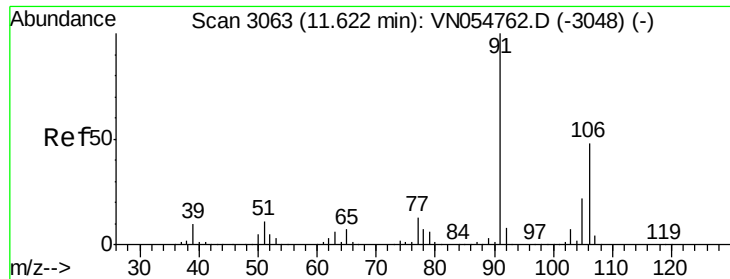
#67
Ethyl Benzene
Concen: 4.802 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054816.D
Acq: 30 Mar 2019 21:18

Tgt Ion: 91 Resp: 120419
Ion Ratio Lower Upper
91 100
106 28.7 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 0.482 ug/l

RT: 11.63 min Scan# 3064

Delta R.T. 0.00 min

Lab File: VN054816.D

Acq: 30 Mar 2019 21:18

Instrument :

MSVOA_N

ClientSampleId :

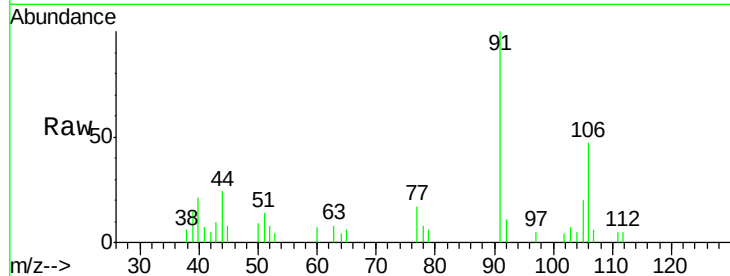
QNWP8-MW27S-GWDL

Tot Ion:106 Resp: 4474

Ion Ratio Lower Upper

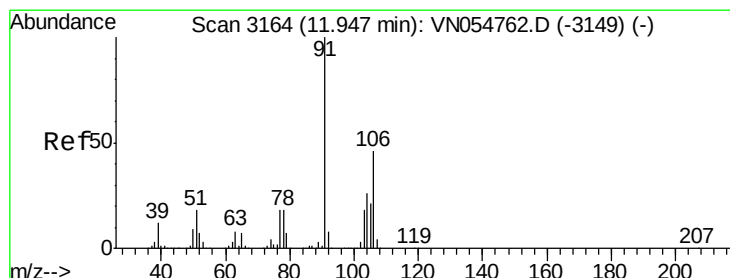
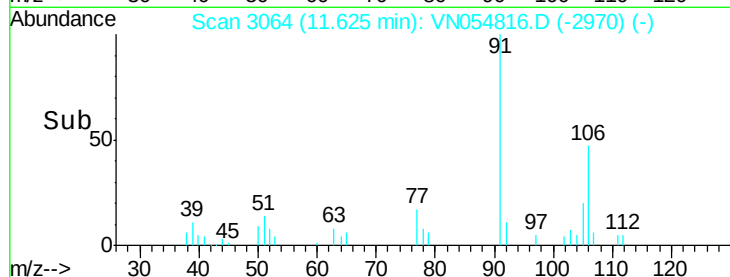
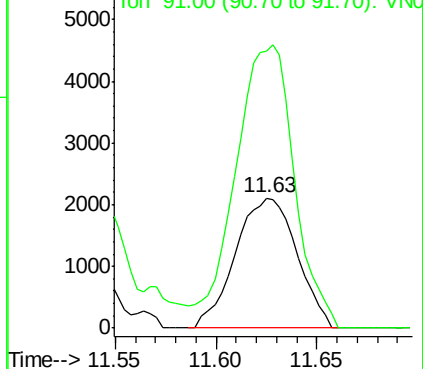
106 100

91 209.3 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 0.652 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN054816.D

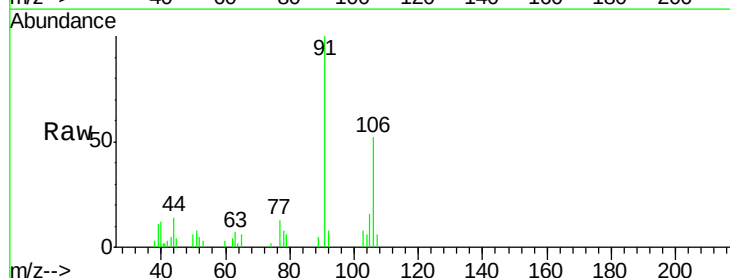
Acq: 30 Mar 2019 21:18

Tgt Ion:106 Resp: 5930

Ion Ratio Lower Upper

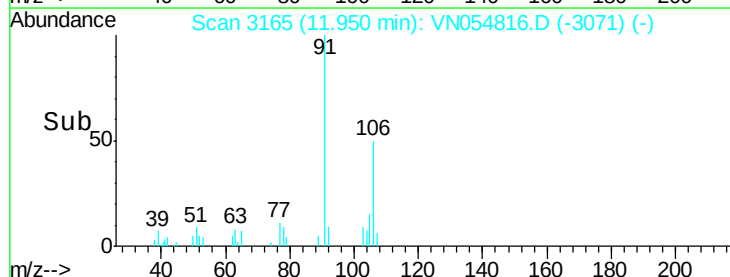
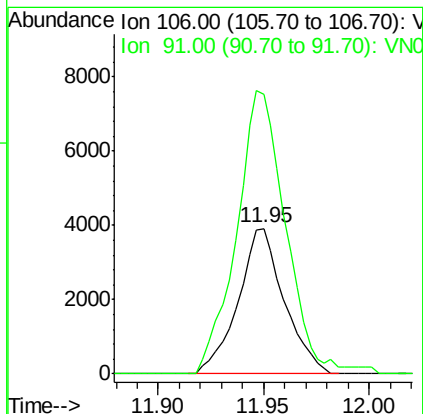
106 100

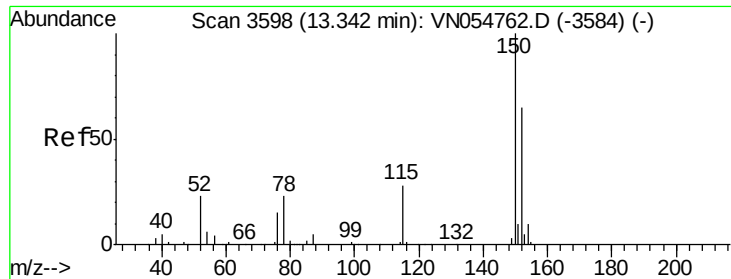
91 206.8 105.7 317.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

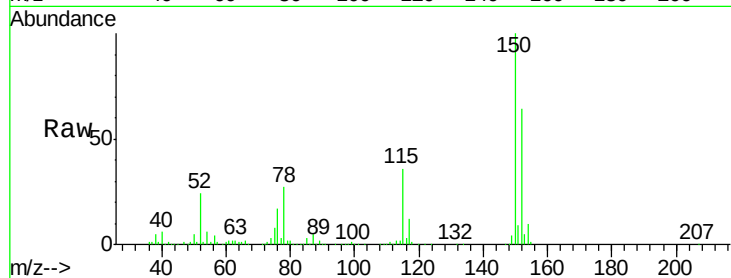




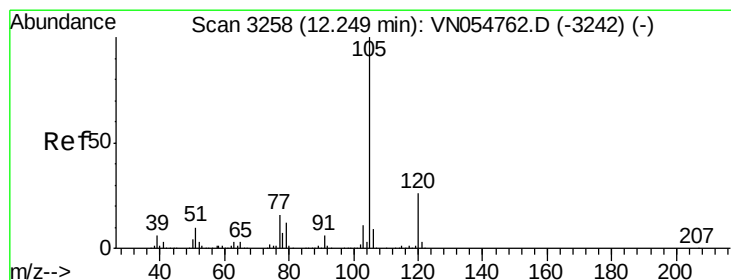
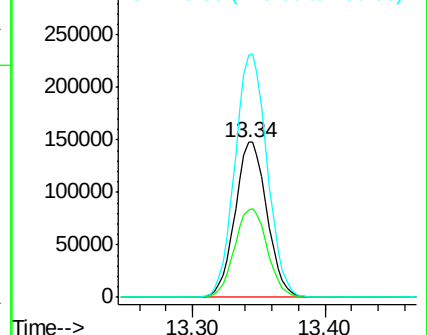
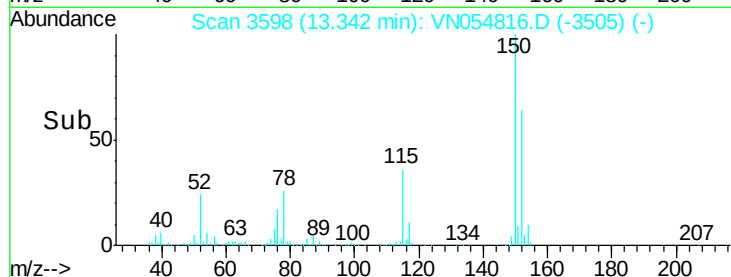
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. -0.00 min
 Lab File: VN054816.D
 Acq: 30 Mar 2019 21:18

Instrument :
 MSVOA_N
 ClientSampleId :
 QNWP8-MW27S-GWDL

Tot Ion:152 Resp: 247034
 Ion Ratio Lower Upper
 152 100
 115 58.6 27.2 81.6
 150 158.2 0.0 349.2

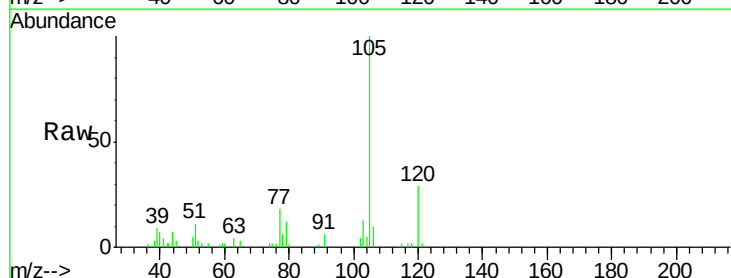


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

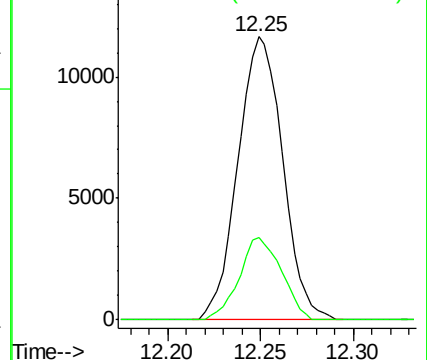
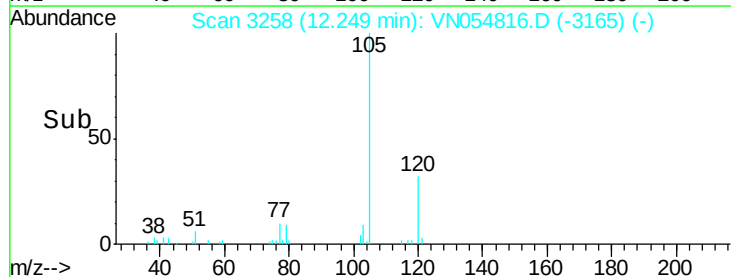


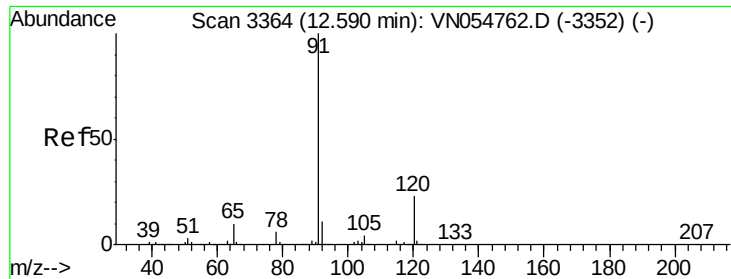
#73
 Isopropylbenzene
 Concen: 0.969 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. -0.00 min
 Lab File: VN054816.D
 Acq: 30 Mar 2019 21:18

Tgt Ion:105 Resp: 19572
 Ion Ratio Lower Upper
 105 100
 120 27.3 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: 0.289 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054816.D

Acq: 30 Mar 2019 21:18

Instrument :

MSVOA_N

ClientSampleId :

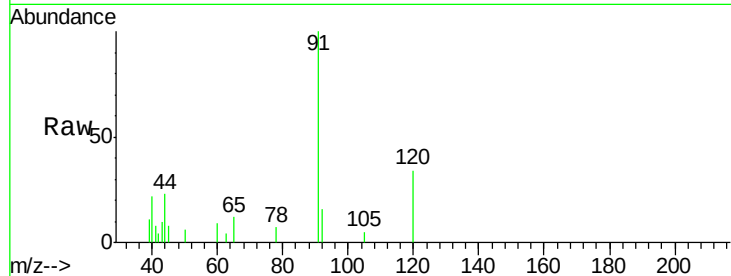
QNWP8-MW27S-GWDL

Tot Ion: 91 Resp: 6407

Ion Ratio Lower Upper

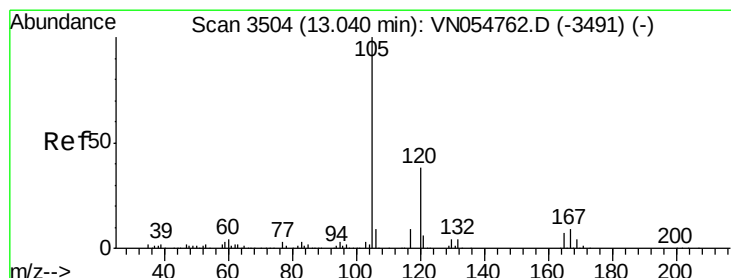
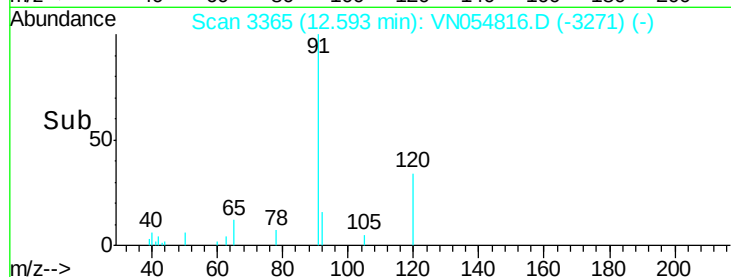
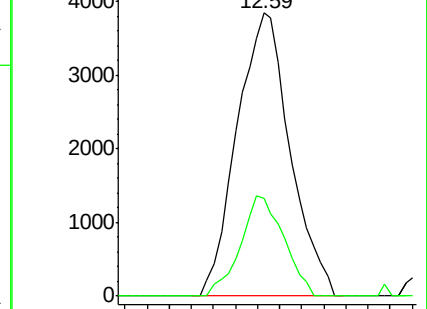
91 100

120 29.0 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN054762.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN054762.D (-3352) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.615 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054816.D

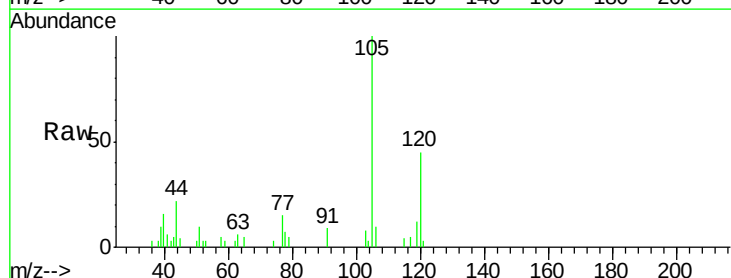
Acq: 30 Mar 2019 21:18

Tgt Ion: 105 Resp: 9702

Ion Ratio Lower Upper

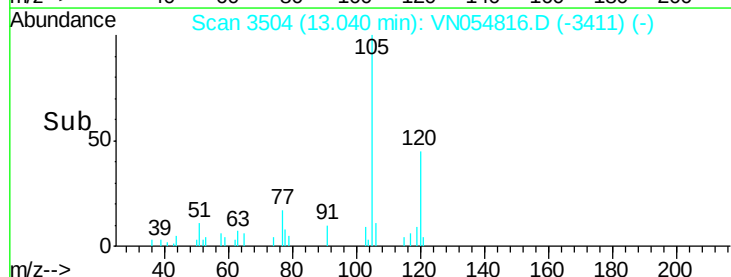
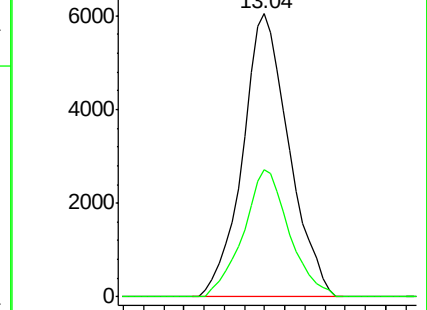
105 100

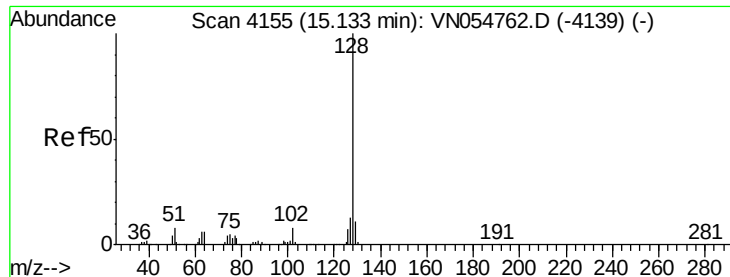
120 44.5 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): VN054762.D (-3491) (-)

Ion 120.00 (119.70 to 120.70): VN054762.D (-3491) (-)





#95

Naphthalene

Concen: 9.442 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054816.D

Acq: 30 Mar 2019 21:18

Instrument :

MSVOA_N

ClientSampleId :

QNWP8-MW27S-GWDL

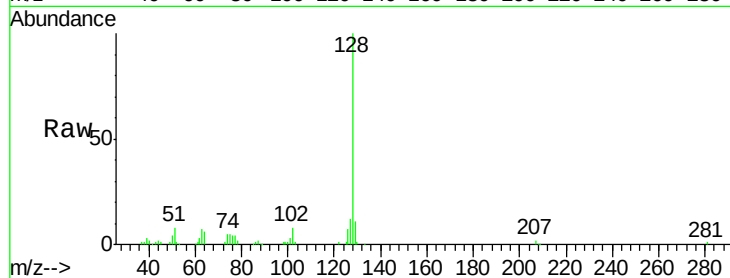
Tot Ion:128 Resp: 84062

Ion Ratio Lower Upper

128 100

127 12.5 10.1 15.1

129 11.4 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

