

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031919\
 Data File : VN054439.D
 Acq On : 19 Mar 2019 14:31
 Operator : JC/SP
 Sample : K1960-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-6-9.0-031519

Quant Time: Mar 20 04:24:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

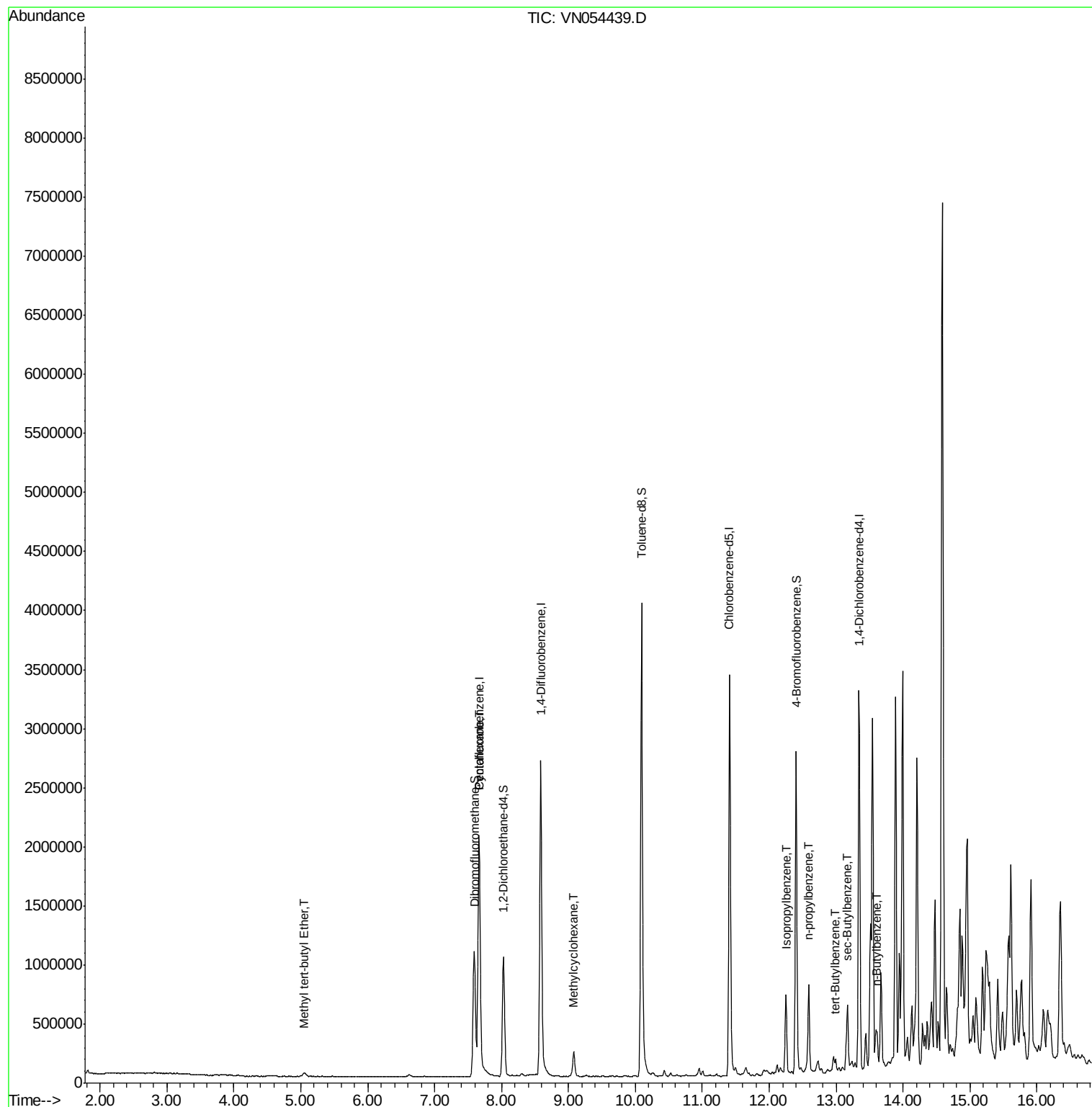
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	2021585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2822446	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2334359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	985549	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	860614	40.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.18%	
35) Dibromofluoromethane	7.59	113	838908	46.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.16%	
50) Toluene-d8	10.09	98	3229360	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
62) 4-Bromofluorobenzene	12.40	95	986061	41.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.84%	
Target Compounds						
					Qvalue	
19) Methyl tert-butyl Ether	5.05	73	41183	0.791	ug/l #	90
31) Cyclohexane	7.66	56	83989	1.408	ug/l #	58
39) Methylcyclohexane	9.08	83	105255	3.291	ug/l	98
73) Isopropylbenzene	12.25	105	501588	6.361	ug/l	100
78) n-propylbenzene	12.59	91	630179	7.366	ug/l	99
83) tert-Butylbenzene	12.99	119	59194	0.981	ug/l	99
85) sec-Butylbenzene	13.17	105	382452	4.885	ug/l	85
89) n-Butylbenzene	13.61	91	193962	3.717	ug/l	94

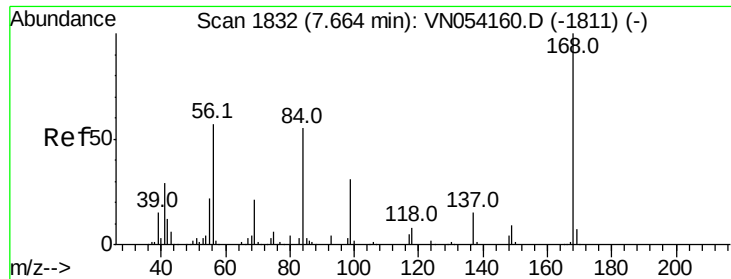
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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T11-MW-6-9.0-031519

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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 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: VN054439.D

Acq: 19 Mar 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

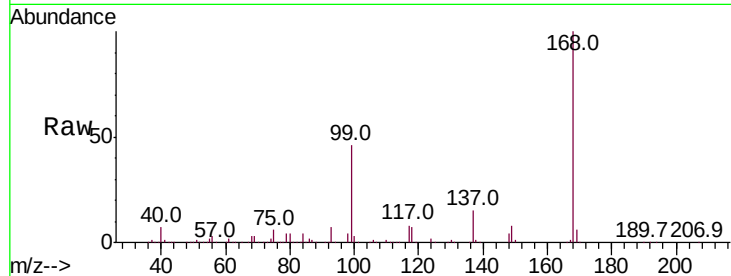
T11-MW-6-9.0-031519

Tot Ion:168 Resp: 2021585

Ion Ratio Lower Upper

168 100

99 45.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

800000

600000

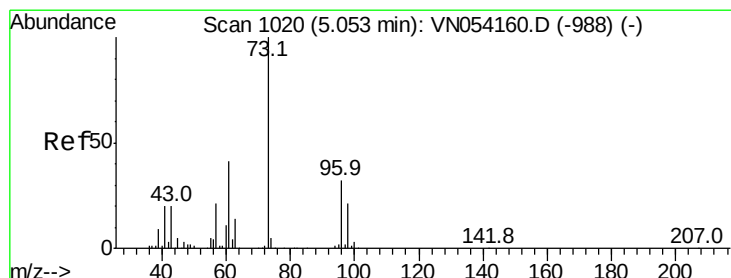
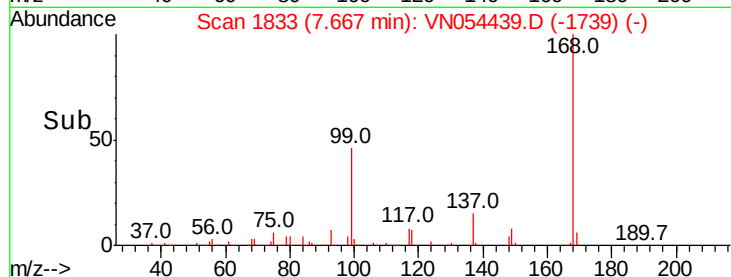
400000

200000

0

7.60 7.80

Time-->



#19

Methyl tert-butyl Ether

Concen: 0.791 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VN054439.D

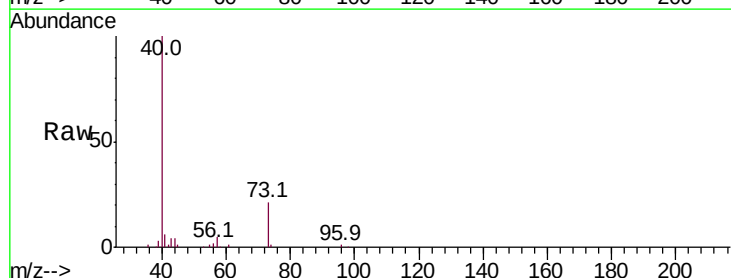
Acq: 19 Mar 2019 14:31

Tgt Ion: 73 Resp: 41183

Ion Ratio Lower Upper

73 100

57 25.7 16.8 25.2#



Abundance Ion 73.00 (72.70 to 73.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

5.05

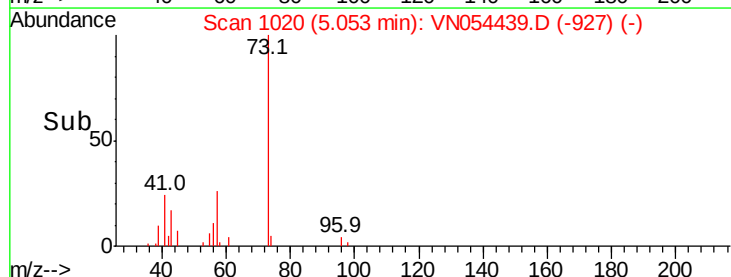
10000

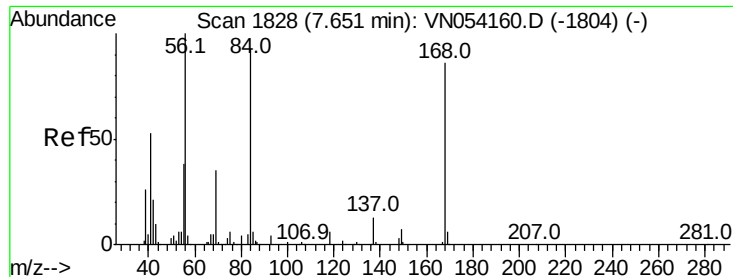
5000

0

4.90 5.10 5.20

Time-->

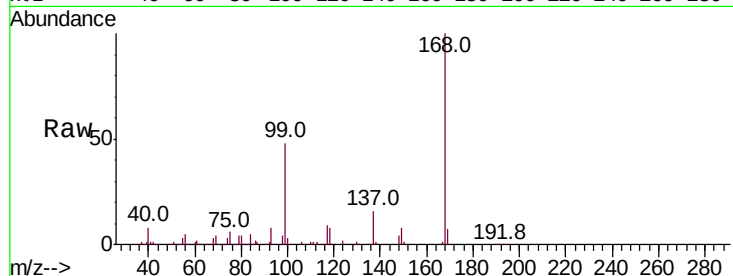




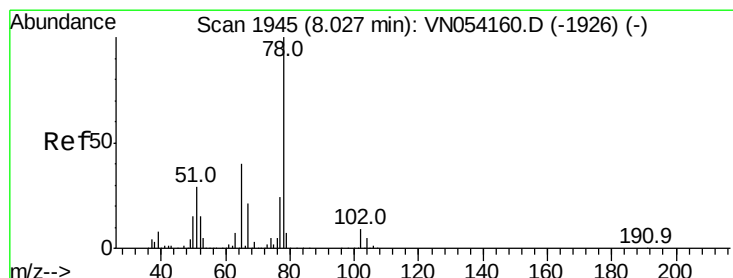
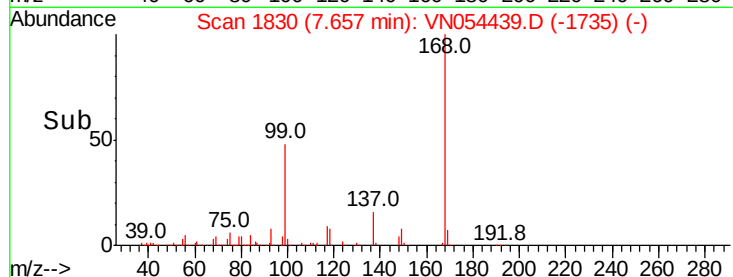
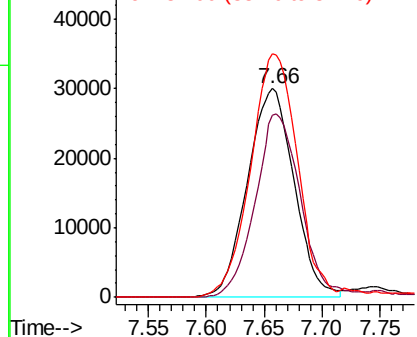
#31
Cyclohexane
Concen: 1.408 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN054439.D
Acq: 19 Mar 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-6-9.0-031519

Tot Ion: 56 Resp: 83989
Ion Ratio Lower Upper
56 100
69 87.4 27.8 41.6#
84 116.6 74.6 111.8#

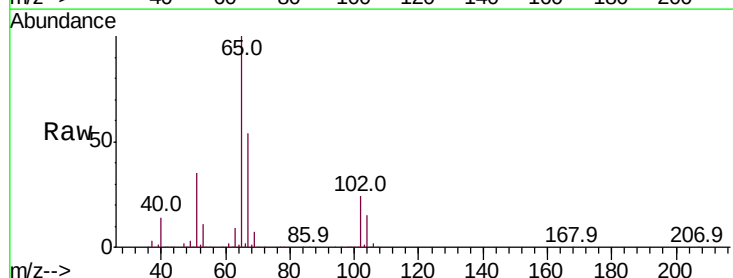


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

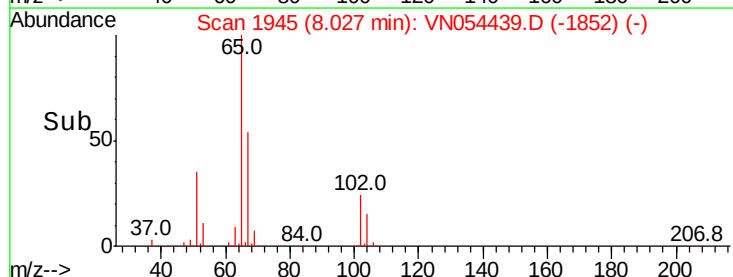
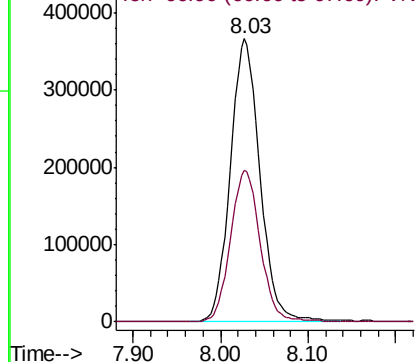


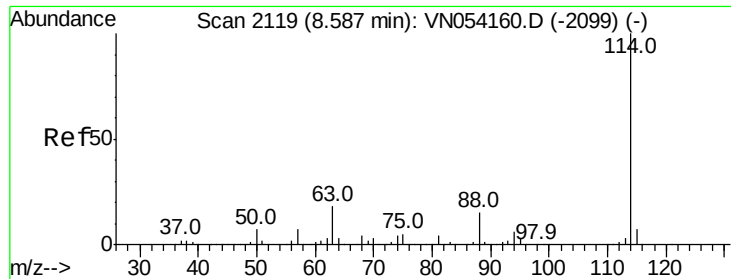
#33
1,2-Dichloroethane-d4
Concen: 40.086 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054439.D
Acq: 19 Mar 2019 14:31

Tgt Ion: 65 Resp: 860614
Ion Ratio Lower Upper
65 100
67 53.7 0.0 104.6



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



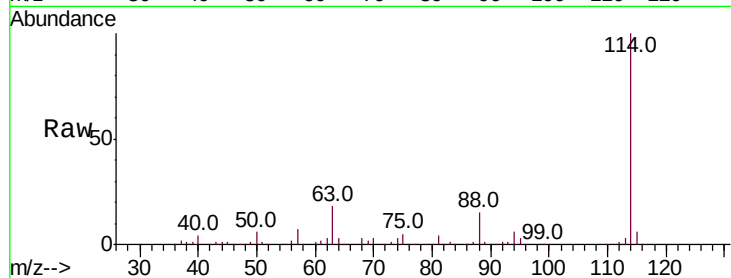


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054439.D
 Acq: 19 Mar 2019 14:31

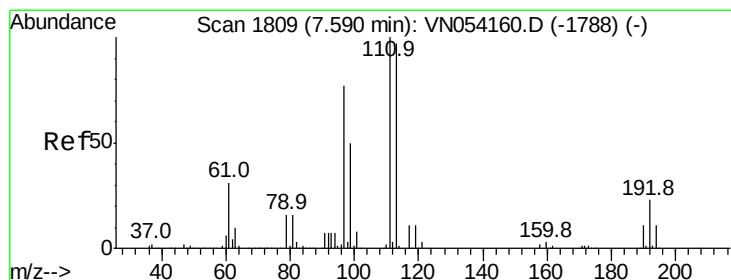
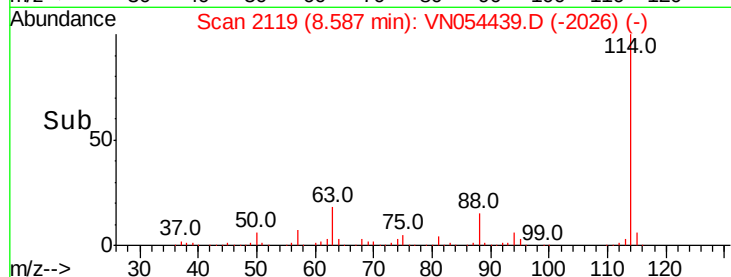
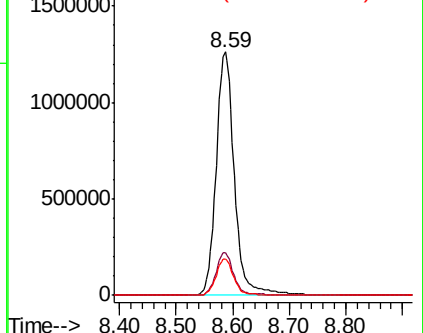
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-6-9.0-031519

Tot Ion:114 Resp: 2822446

Ion	Ratio	Lower	Upper
114	100		
63	17.6	0.0	35.2
88	14.9	0.0	30.2



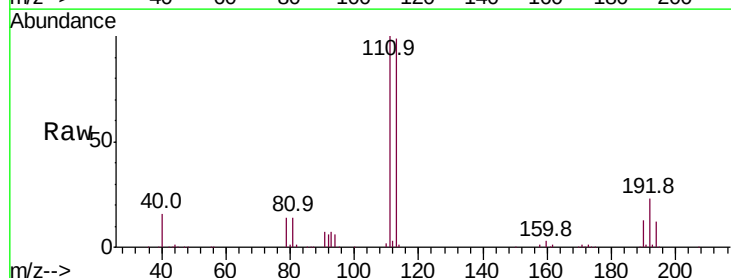
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN



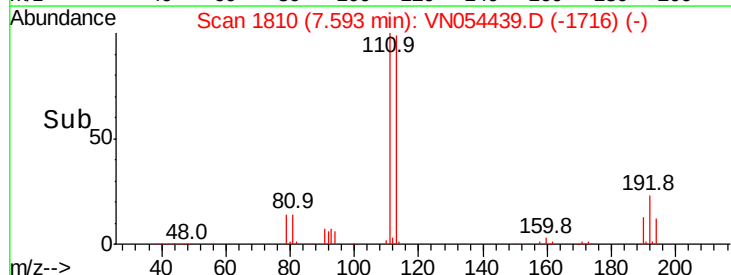
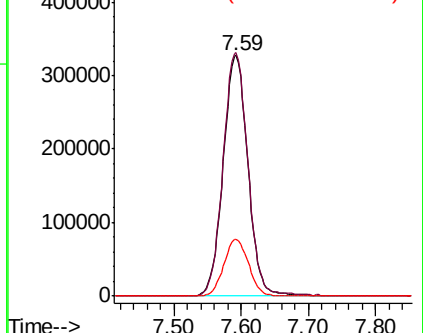
#35
 Dibromofluoromethane
 Concen: 46.085 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054439.D
 Acq: 19 Mar 2019 14:31

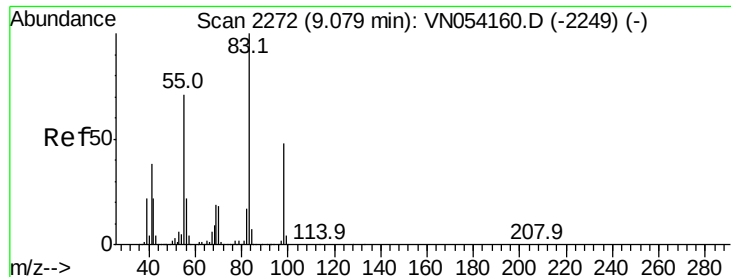
Tgt Ion:113 Resp: 838908

Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.2	123.4
192	23.6	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

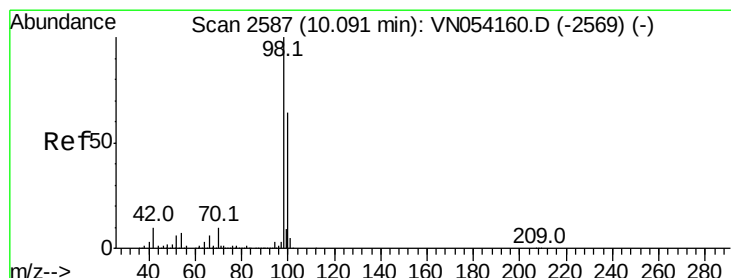
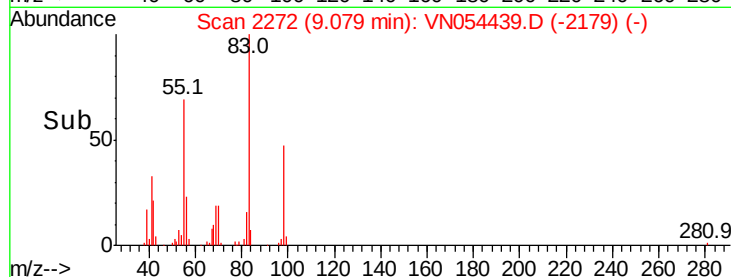
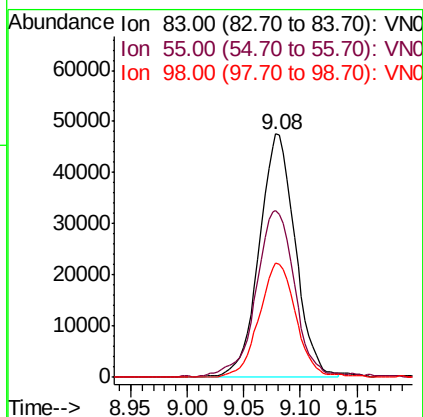
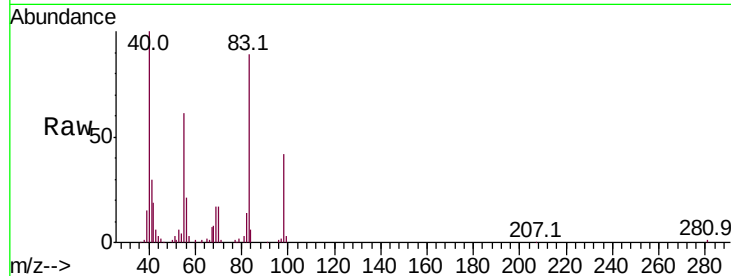




#39
Methylcyclohexane
Concen: 3.291 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054439.D
Acq: 19 Mar 2019 14:31

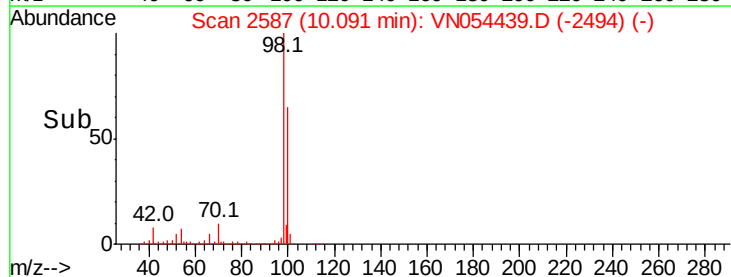
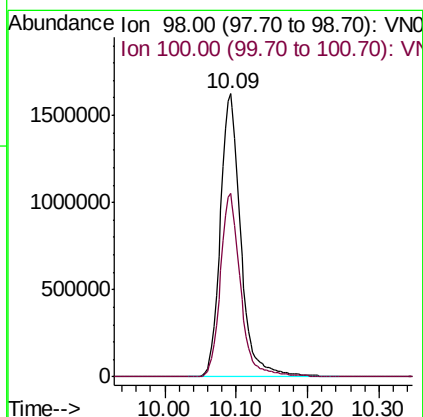
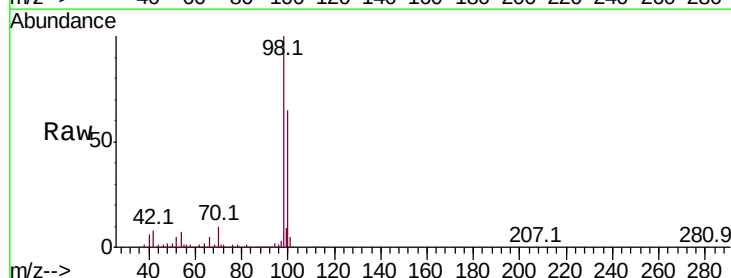
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-6-9.0-031519

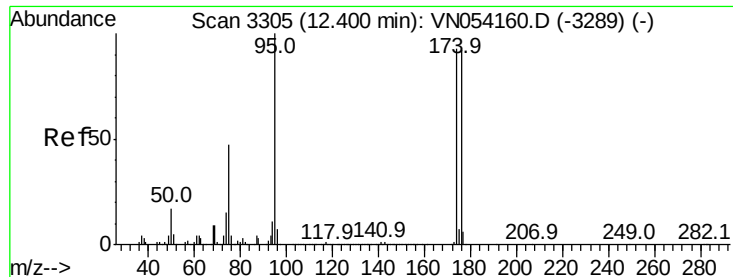
Tot Ion: 83 Resp: 105255
Ion Ratio Lower Upper
83 100
55 68.1 56.6 84.8
98 47.0 38.4 57.6



#50
Toluene-d8
Concen: 48.036 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054439.D
Acq: 19 Mar 2019 14:31

Tgt Ion: 98 Resp: 3229360
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 41.918 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-6-9.0-031519

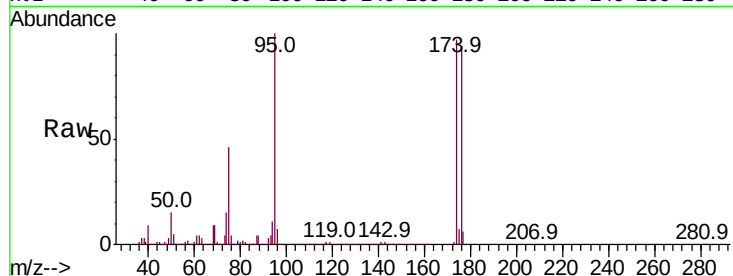
Tot Ion: 95 Resp: 986061

Ion Ratio Lower Upper

95 100

174 97.6 0.0 191.0

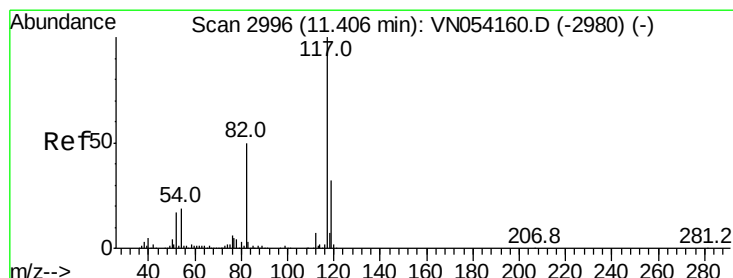
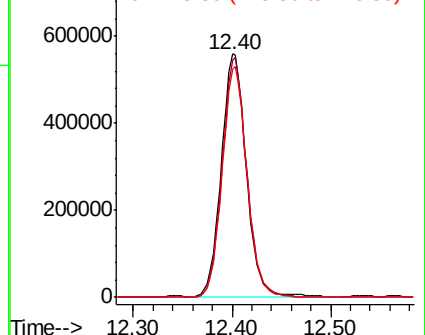
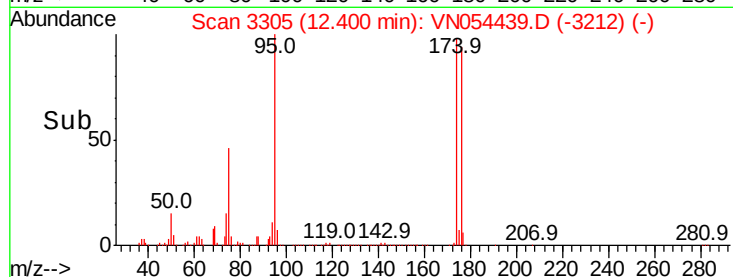
176 94.8 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054439.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN054439.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN054439.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

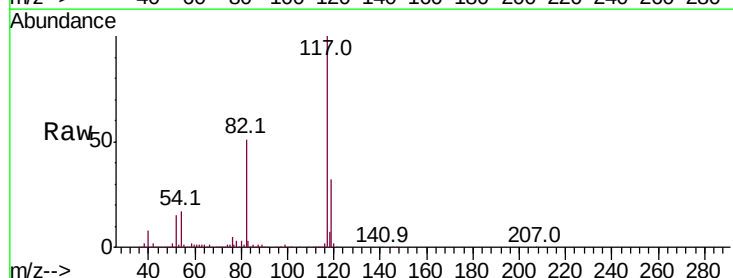
Tgt Ion: 117 Resp: 2334359

Ion Ratio Lower Upper

117 100

82 50.9 40.0 60.0

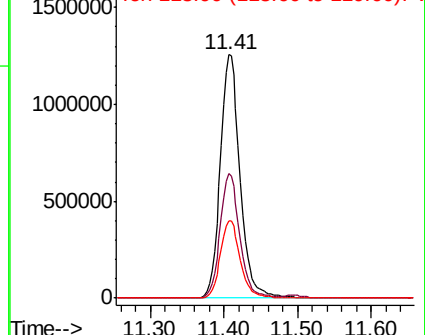
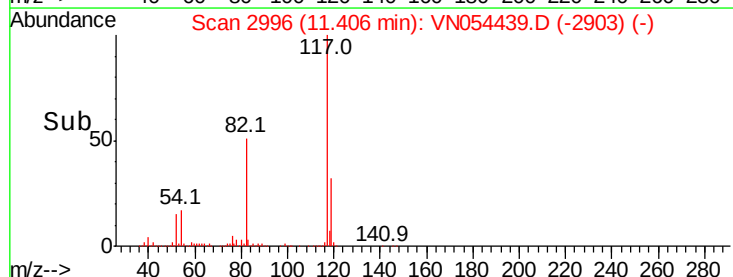
119 31.9 25.8 38.6

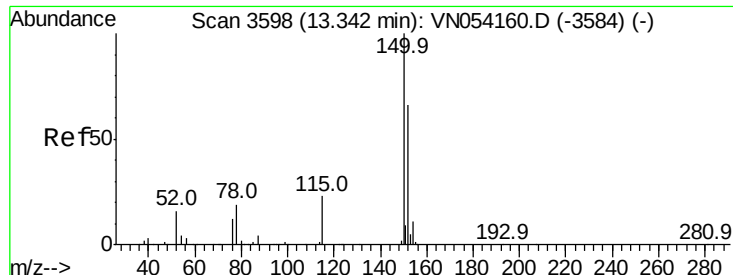


Abundance Ion 116.90 (116.60 to 117.60): VN054439.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054439.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054439.D (-2903) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-6-9.0-031519

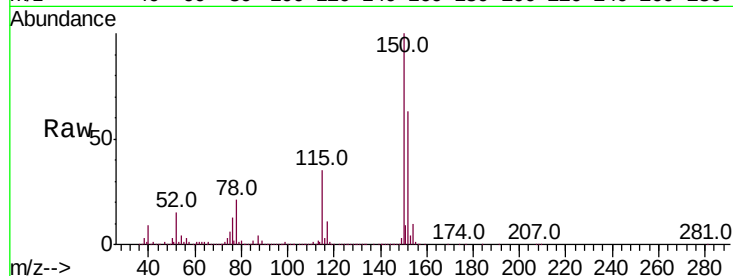
Tot Ion:152 Resp: 985549

Ion Ratio Lower Upper

152 100

115 53.9 27.2 81.6

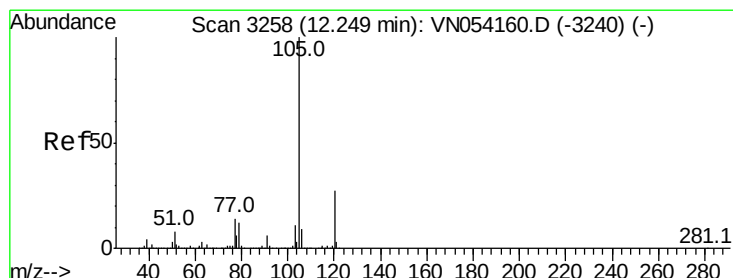
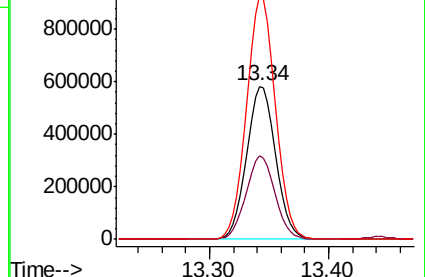
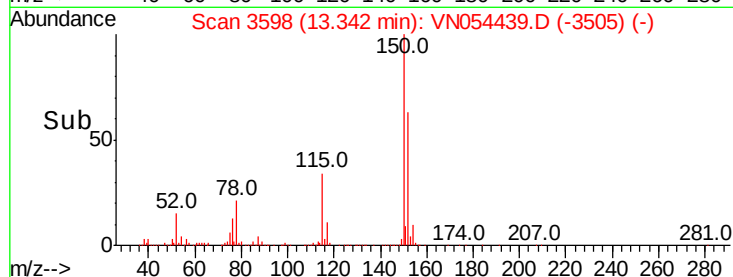
150 157.4 0.0 349.2



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: 6.361 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054439.D

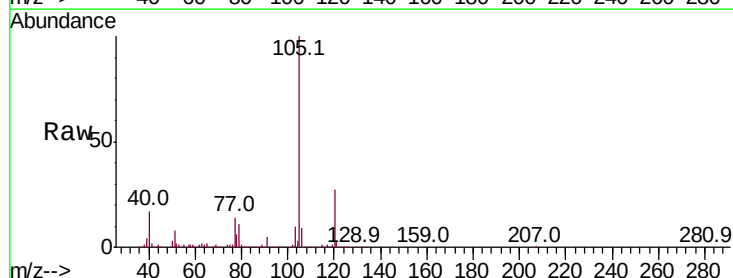
Acq: 19 Mar 2019 14:31

Tgt Ion:105 Resp: 501588

Ion Ratio Lower Upper

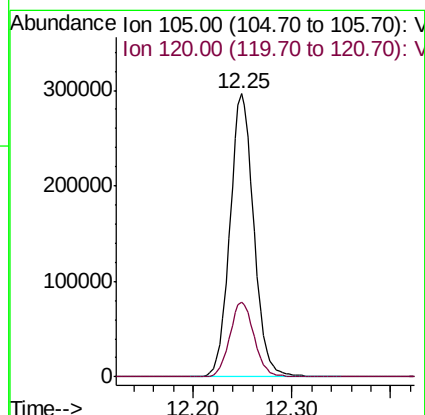
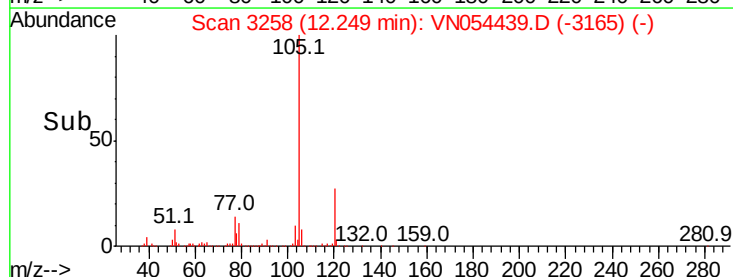
105 100

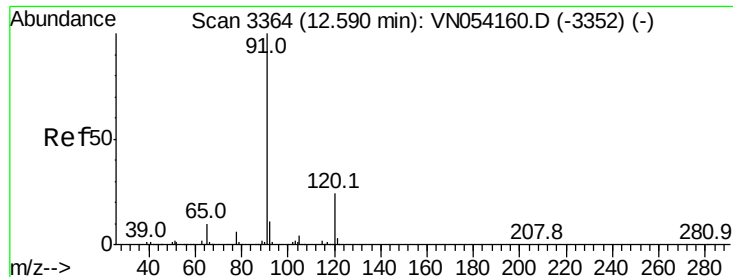
120 27.2 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 7.366 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

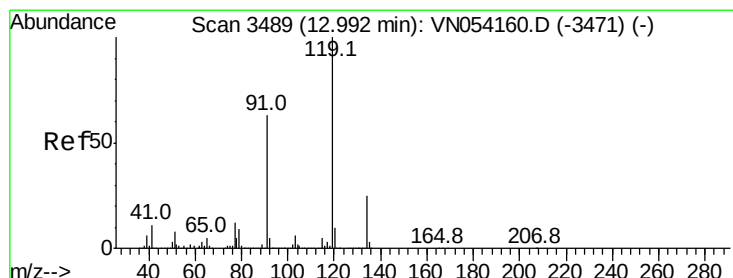
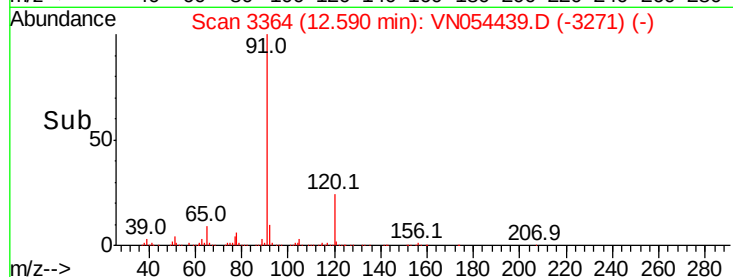
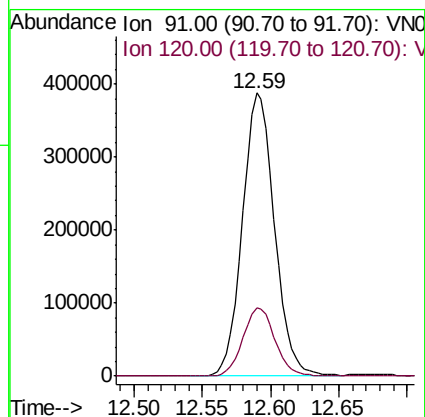
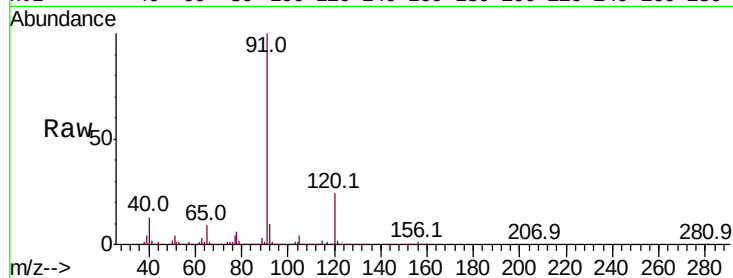
T11-MW-6-9.0-031519

Tot Ion: 91 Resp: 630179

Ion Ratio Lower Upper

91 100

120 24.3 12.3 36.9



#83

tert-Butylbenzene

Concen: 0.981 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

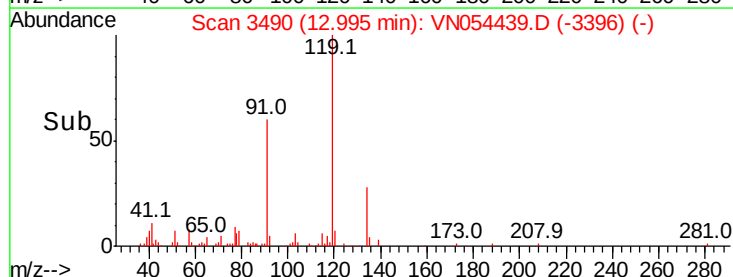
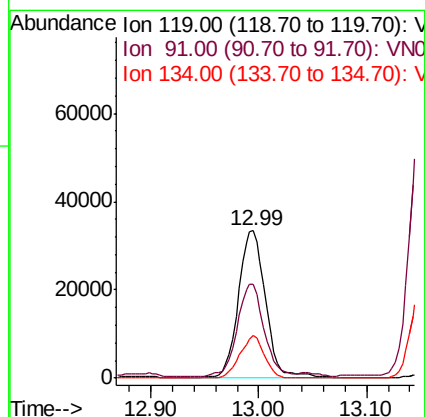
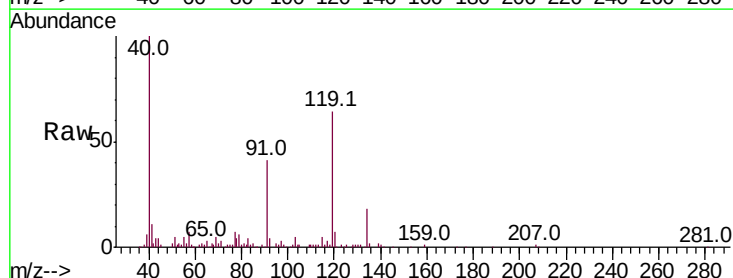
Tgt Ion: 119 Resp: 59194

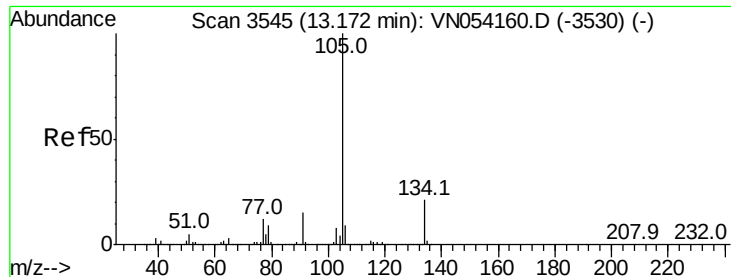
Ion Ratio Lower Upper

119 100

91 61.3 30.9 92.8

134 25.4 13.2 39.6





#85

sec-Butylbenzene

Concen: 4.885 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

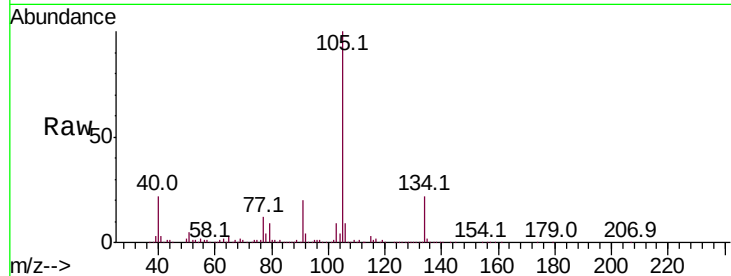
T11-MW-6-9.0-031519

Tot Ion:105 Resp: 382452

Ion Ratio Lower Upper

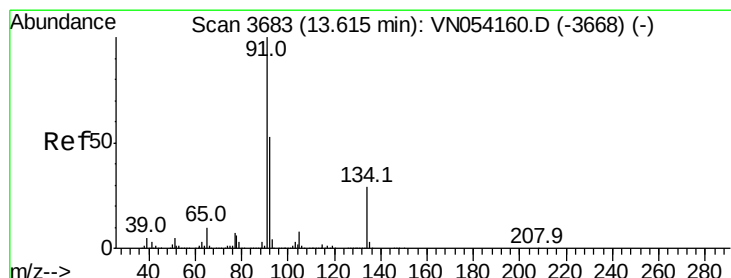
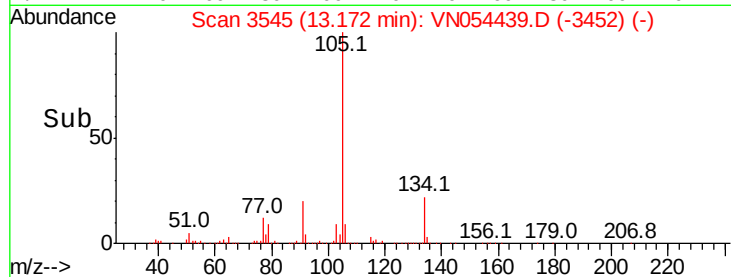
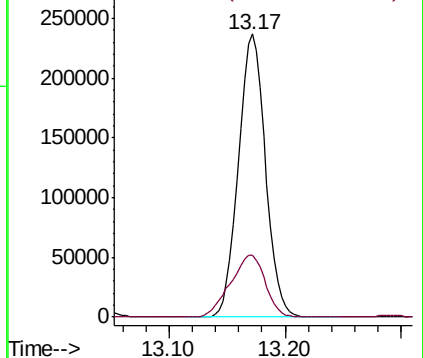
105 100

134 28.3 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 3.717 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054439.D

Acq: 19 Mar 2019 14:31

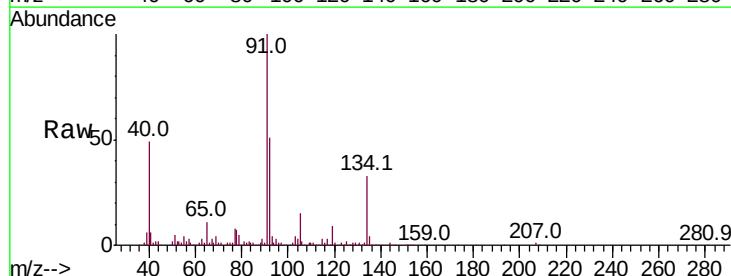
Tgt Ion: 91 Resp: 193962

Ion Ratio Lower Upper

91 100

92 46.2 26.2 78.6

134 27.6 14.3 42.9



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

