

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112119\
 Data File : VN059342.D
 Acq On : 21 Nov 2019 17:40
 Operator : JC/SP
 Sample : K5957-10 10X
 Misc : 5.69g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4-(16-18)

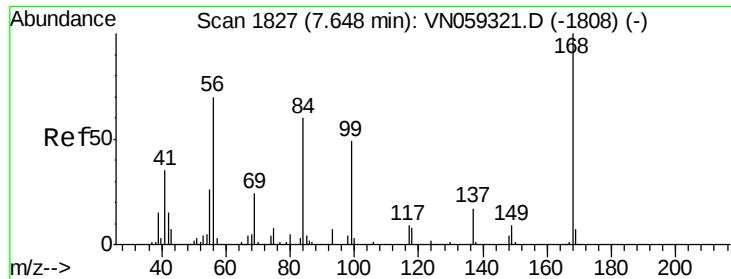
Quant Time: Nov 22 07:00:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	416610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	645516	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	568525	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	266511	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	238937	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
35) Dibromofluoromethane	7.57	113	187559	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
50) Toluene-d8	10.08	98	791374	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	
62) 4-Bromofluorobenzene	12.40	95	307267	57.08	ug/l	0.00
Spiked Amount			Recovery	=	114.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Methylcyclohexane	9.07	83	13036	1.622	ug/l	97
67) Ethyl Benzene	11.51	91	190697	8.737	ug/l	98
68) m/p-Xylenes	11.62	106	120490	14.856	ug/l	98
73) Isopropylbenzene	12.25	105	248638	11.389	ug/l	100
78) n-propylbenzene	12.59	91	783818	31.695	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1351433	73.636	ug/l	98
83) tert-Butylbenzene	12.99	119	46441	2.996	ug/l	92
84) 1,2,4-Trimethylbenzene	13.04	105	3572934	198.739	ug/l	93
85) sec-Butylbenzene	13.17	105	433310	20.799	ug/l #	75
86) p-Isopropyltoluene	13.29	119	405821	21.891	ug/l	100
89) n-Butylbenzene	13.62	91	412691	25.377	ug/l #	80
95) Naphthalene	15.13	128	115925	10.078	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059342.D

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MSVOA_N

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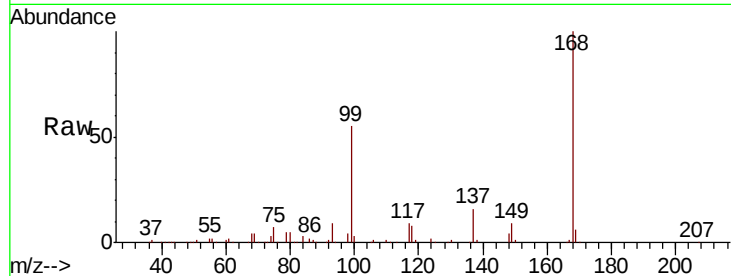
MW-4-(16-18)

Tot Ion:168 Resp: 416610

Ion Ratio Lower Upper

168 100

99 55.3 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): VN059342.D (-1734) (-)

Ion 98.90 (98.60 to 99.60): VN059342.D (-1734) (-)

7.64

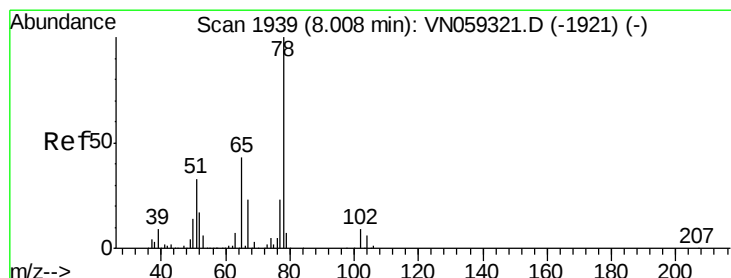
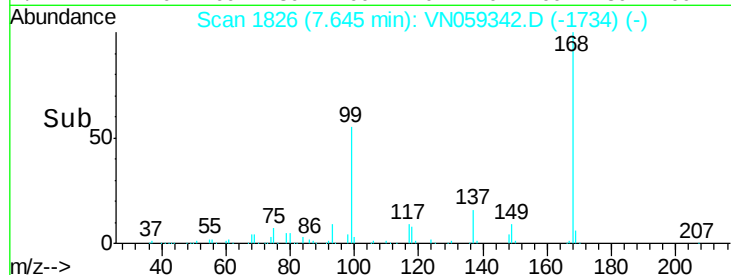
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 47.800 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059342.D

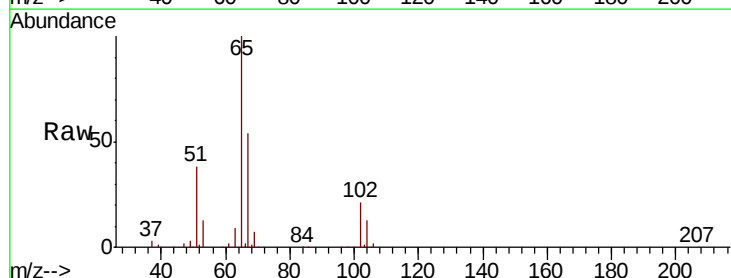
Acq: 21 Nov 2019 17:40

Tgt Ion: 65 Resp: 238937

Ion Ratio Lower Upper

65 100

67 53.9 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VN059342.D (-1846) (-)

Ion 66.90 (66.60 to 67.60): VN059342.D (-1846) (-)

8.01

120000

100000

80000

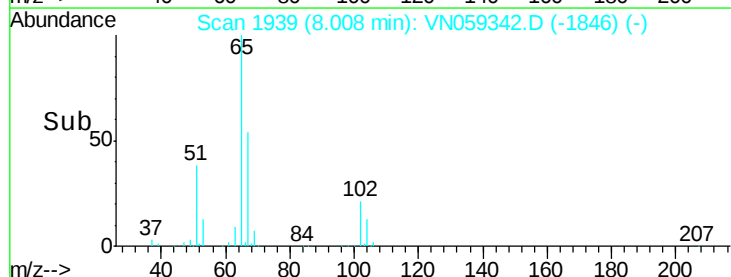
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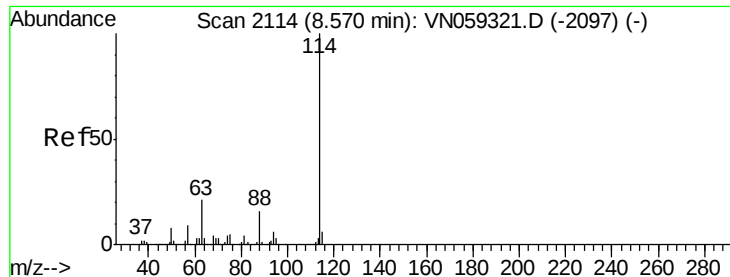
40000

20000

0

Time-->

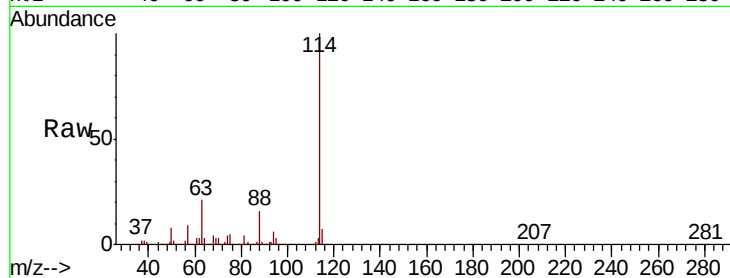




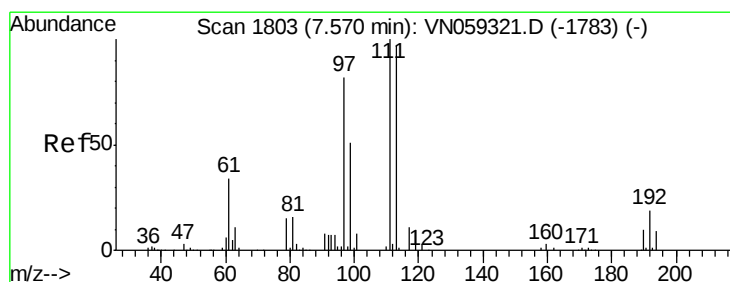
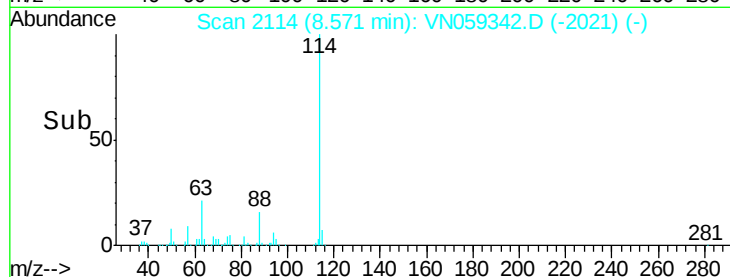
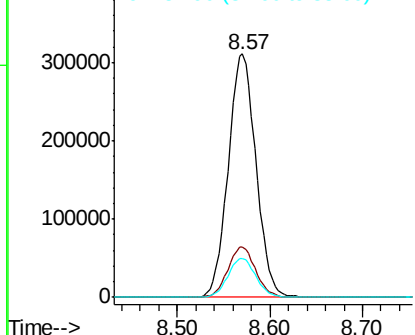
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059342.D
 Acq: 21 Nov 2019 17:40

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4-(16-18)

Tot Ion:114 Resp: 645516
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.2
 88 16.1 0.0 32.2

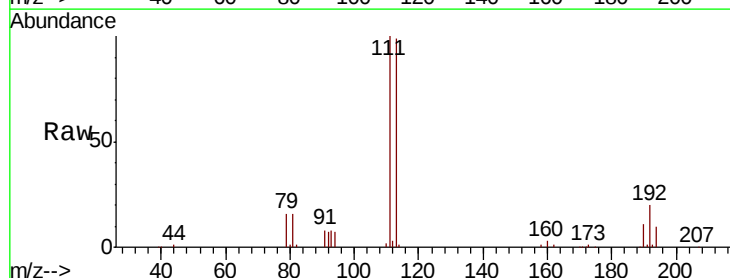


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

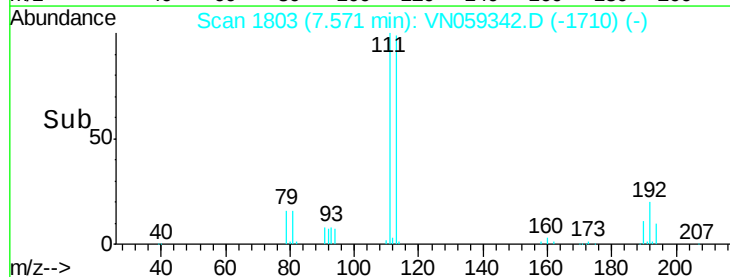
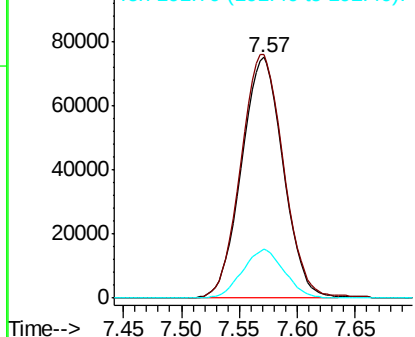


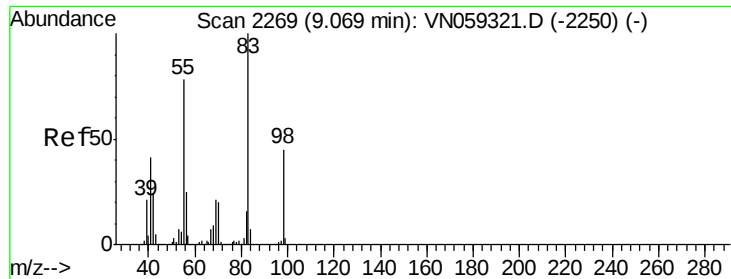
#35
 Dibromofluoromethane
 Concen: 48.431 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059342.D
 Acq: 21 Nov 2019 17:40

Tgt Ion:113 Resp: 187559
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.7 124.1
 192 20.3 16.3 24.5



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

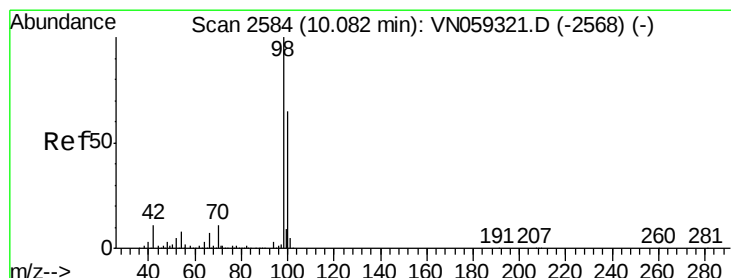
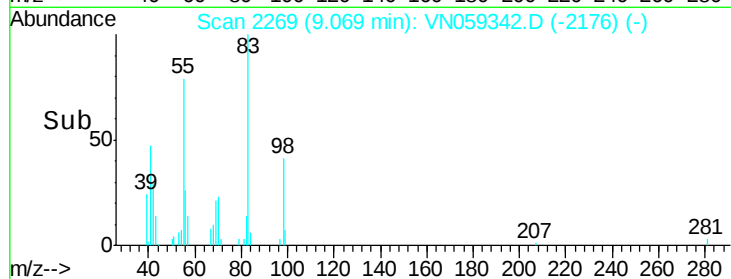
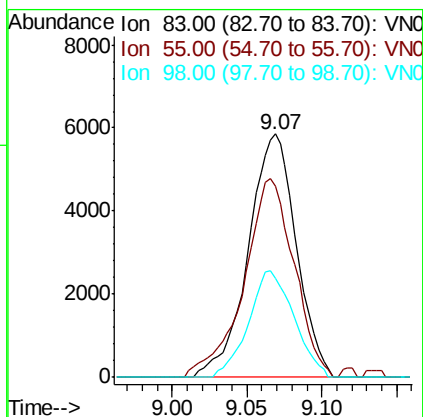
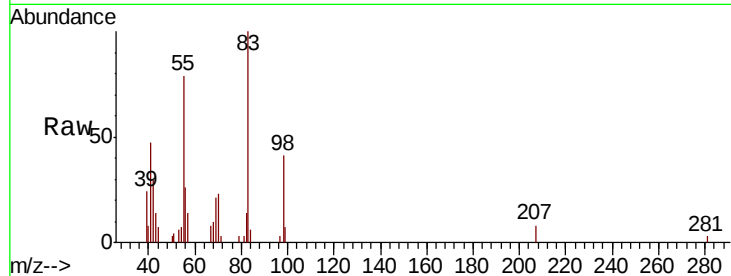




#39
Methvlcvclohexane
Concen: 1.622 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059342.D
Acq: 21 Nov 2019 17:40

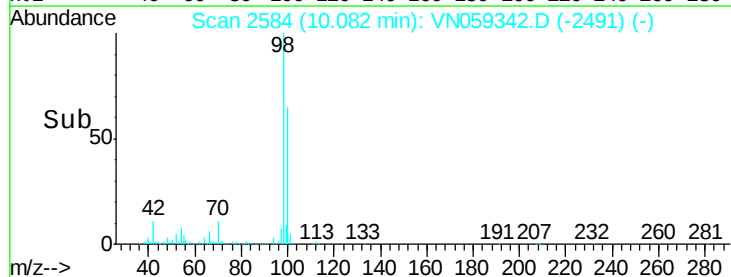
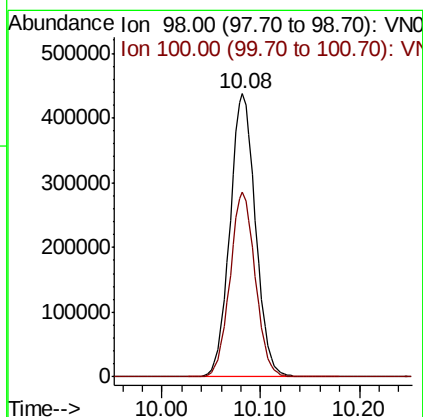
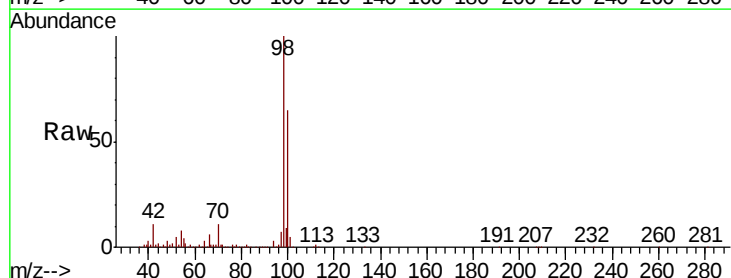
Instrument :
MSVOA_N
ClientSampleId :
MW-4-(16-18)

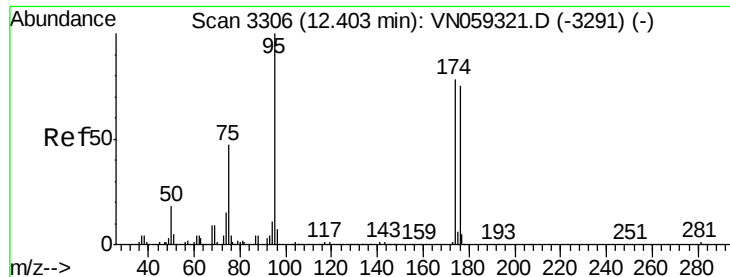
Tot Ion: 83 Resp: 13036
Ion Ratio Lower Upper
83 100
55 78.5 62.3 93.5
98 40.6 36.0 54.0



#50
Toluene-d8
Concen: 51.402 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059342.D
Acq: 21 Nov 2019 17:40

Tgt Ion: 98 Resp: 791374
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5





#62

4-Bromofluorobenzene

Concen: 57.079 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059342.D

Acq: 21 Nov 2019 17:40

Instrument :

MSVOA_N

ClientSampleId :

MW-4-(16-18)

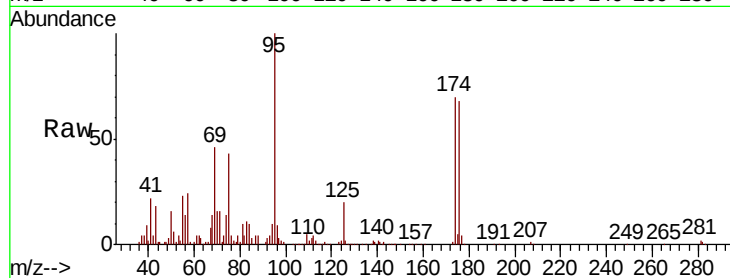
Tot Ion: 95 Resp: 307267

Ion Ratio Lower Upper

95 100

174 69.9 0.0 157.4

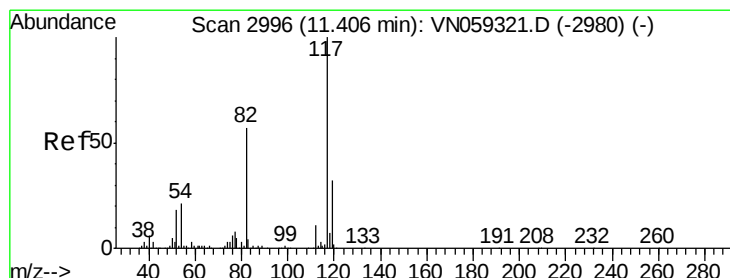
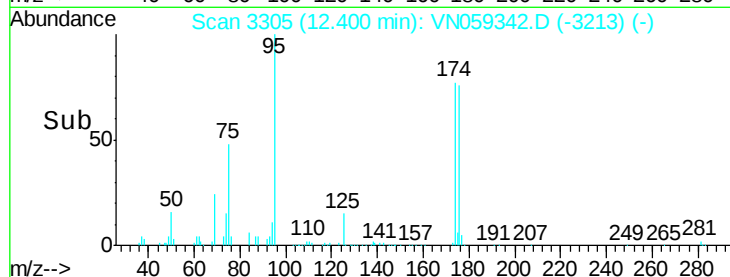
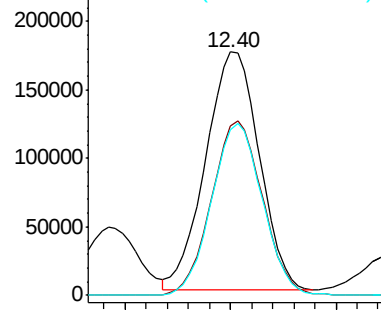
176 68.6 0.0 151.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059342.D

Acq: 21 Nov 2019 17:40

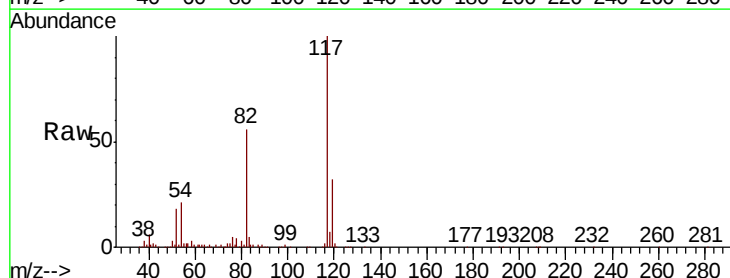
Tgt Ion: 117 Resp: 568525

Ion Ratio Lower Upper

117 100

82 55.2 45.7 68.5

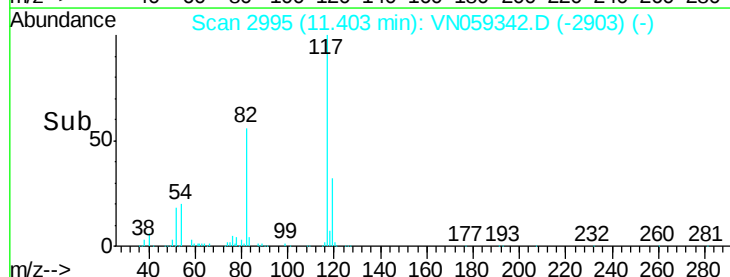
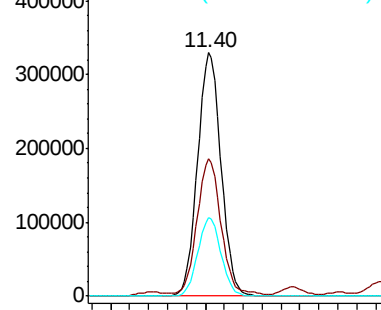
119 32.4 25.8 38.6

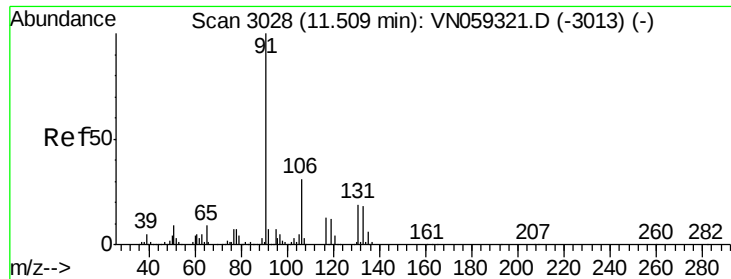


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#67

Ethyl Benzene

Concen: 8.737 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059342.D

Acq: 21 Nov 2019 17:40

Instrument :

MSVOA_N

ClientSampled :

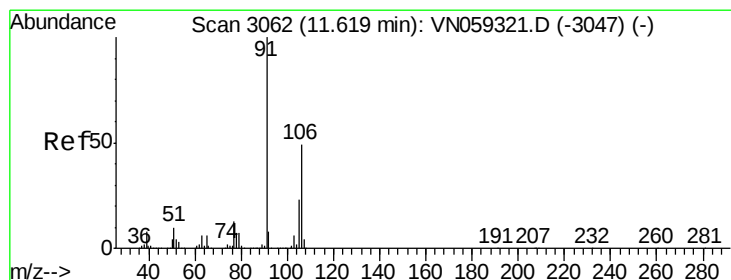
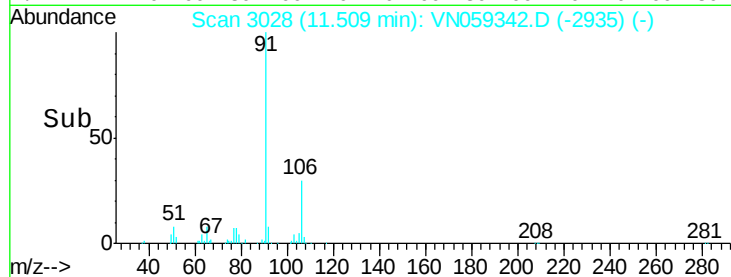
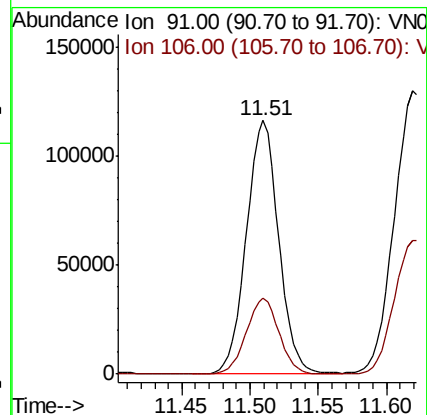
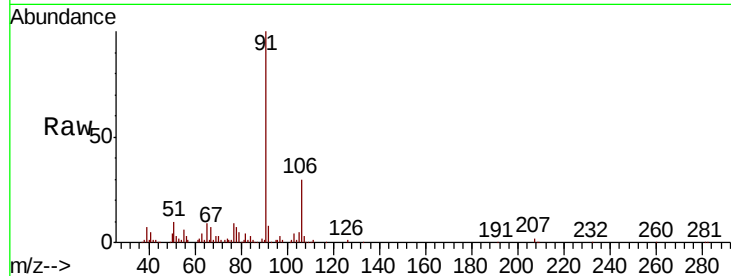
MW-4-(16-18)

Tot Ion: 91 Resp: 190697

Ion Ratio Lower Upper

91 100

106 29.9 24.6 37.0



#68

m/p-Xylenes

Concen: 14.856 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059342.D

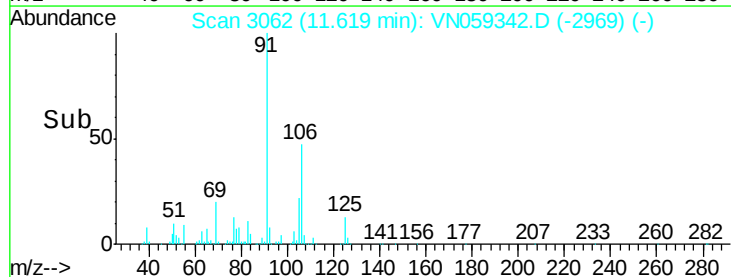
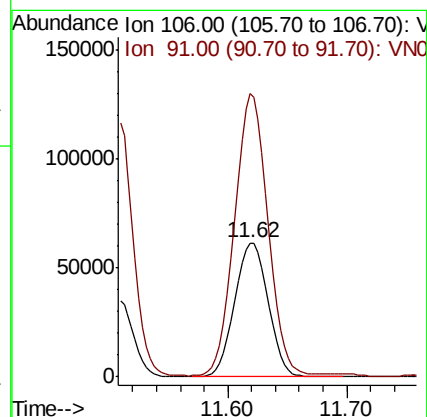
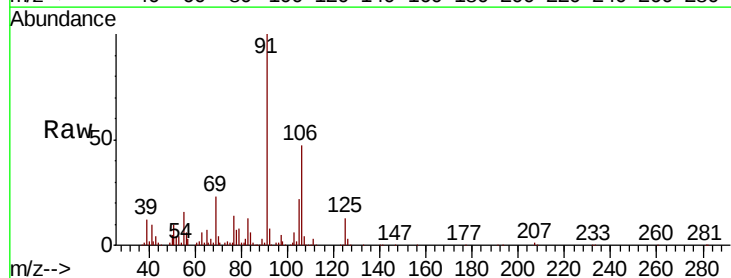
Acq: 21 Nov 2019 17:40

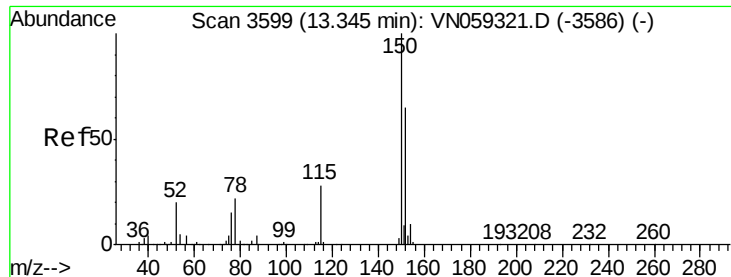
Tgt Ion: 106 Resp: 120490

Ion Ratio Lower Upper

106 100

91 207.6 163.2 244.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059342.D

Acq: 21 Nov 2019 17:40

Instrument :

MSVOA_N

ClientSampleId :

MW-4-(16-18)

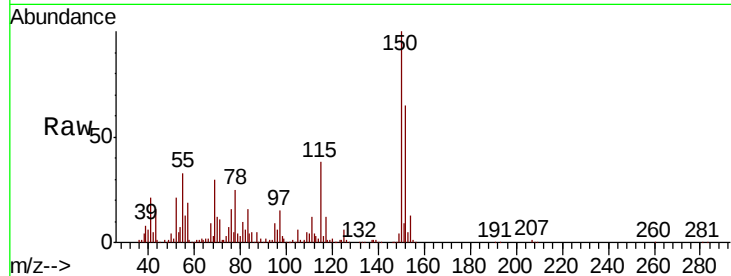
Tot Ion:152 Resp: 266511

Ion Ratio Lower Upper

152 100

115 58.0 29.3 88.0

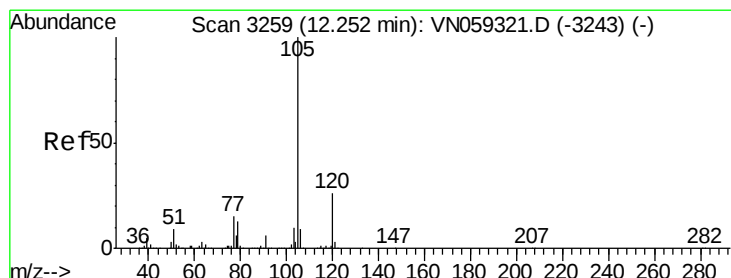
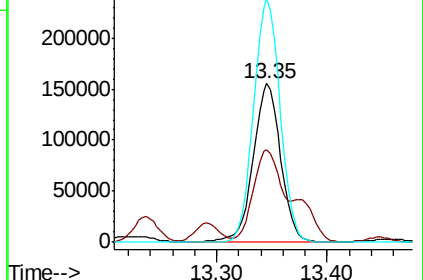
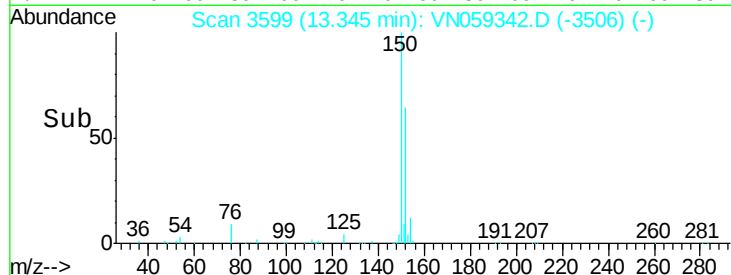
150 148.9 0.0 346.0



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: 11.389 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059342.D

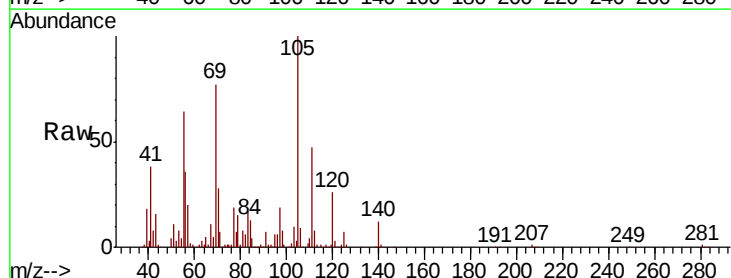
Acq: 21 Nov 2019 17:40

Tgt Ion:105 Resp: 248638

Ion Ratio Lower Upper

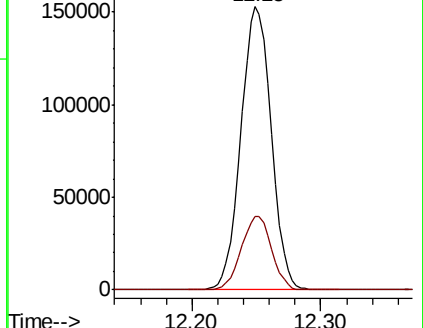
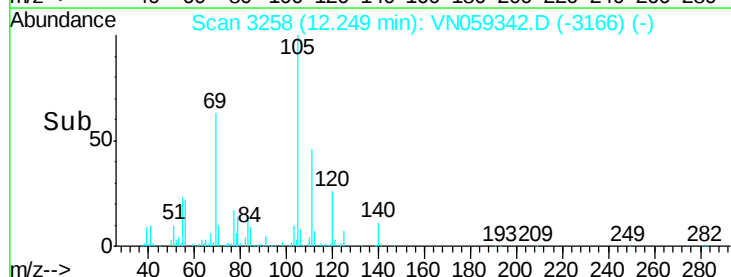
105 100

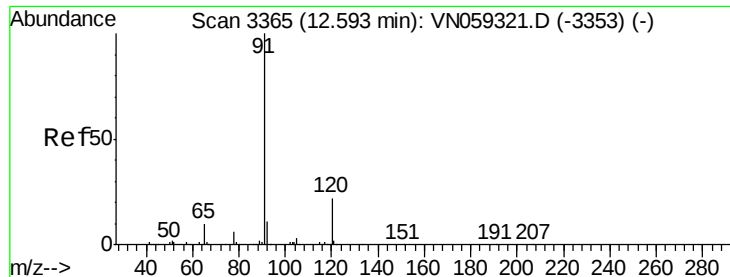
120 26.0 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 31.695 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059342.D

Acq: 21 Nov 2019 17:40

Instrument :

MSVOA_N

ClientSampled :

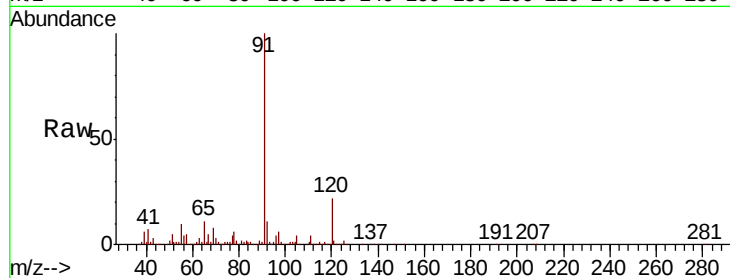
MW-4-(16-18)

Tot Ion: 91 Resp: 783818

Ion Ratio Lower Upper

91 100

120 22.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN059321.D (-3353) (-)

Ion 120.00 (119.70 to 120.70): VN059321.D (-3353) (-)

12.59

500000

400000

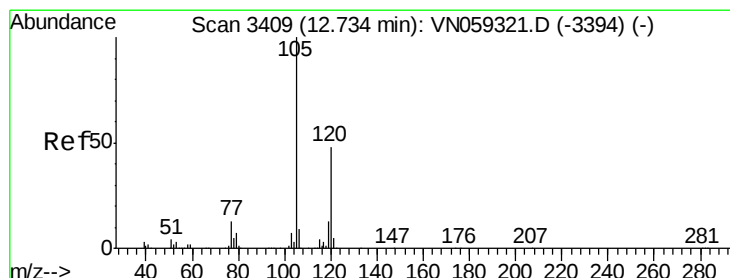
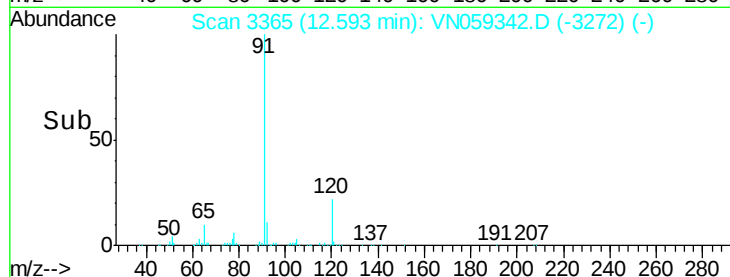
300000

200000

100000

0

Time--> 12.50 12.55 12.60 12.65



#80

1,3,5-Trimethylbenzene

Concen: 73.636 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059342.D

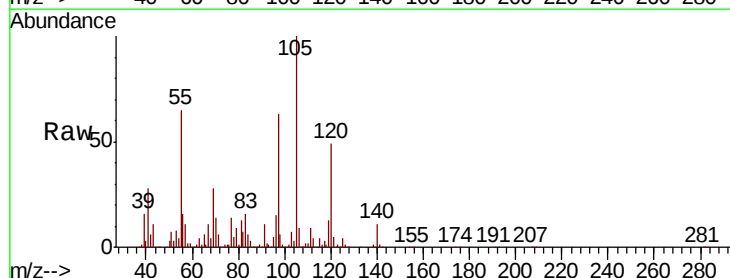
Acq: 21 Nov 2019 17:40

Tgt Ion: 105 Resp: 1351433

Ion Ratio Lower Upper

105 100

120 49.5 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059321.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN059321.D (-3394) (-)

12.73

1000000

800000

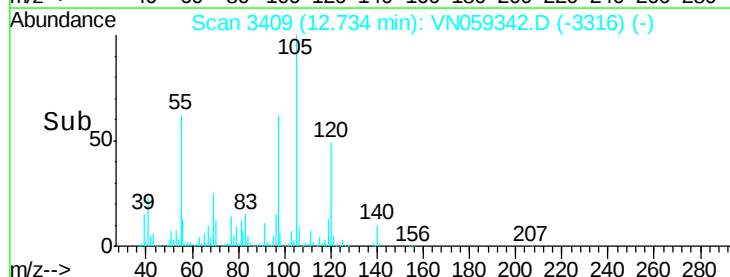
600000

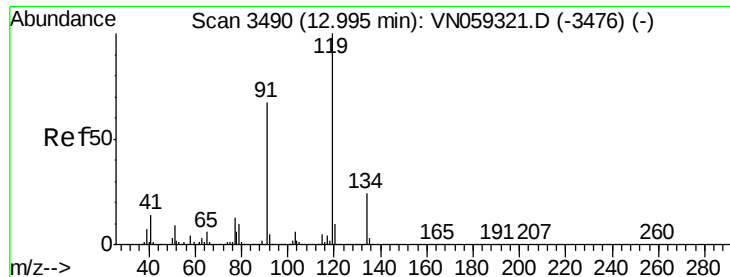
400000

200000

0

Time--> 12.70 12.75 12.80





#83

tert-Butylbenzene

Concen: 2.996 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN059342.D

Acq: 21 Nov 2019 17:40

Instrument :

MSVOA_N

ClientSampled :

MW-4-(16-18)

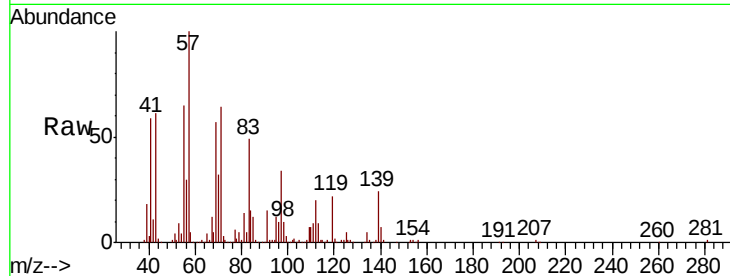
Tot Ion:119 Resp: 46441

Ion Ratio Lower Upper

119 100

91 73.6 32.8 98.4

134 24.0 13.0 38.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V

400000

300000

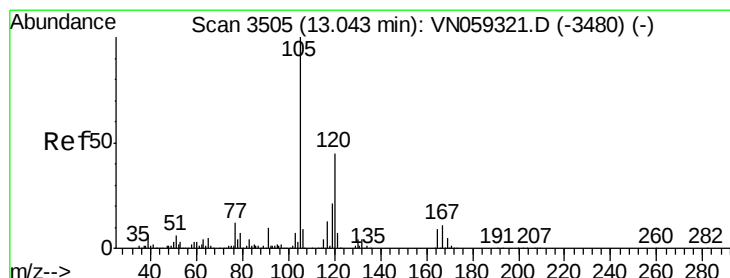
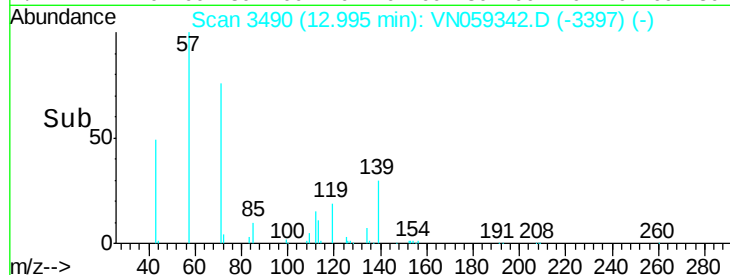
200000

100000

0

12.95 13.00

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 198.739 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059342.D

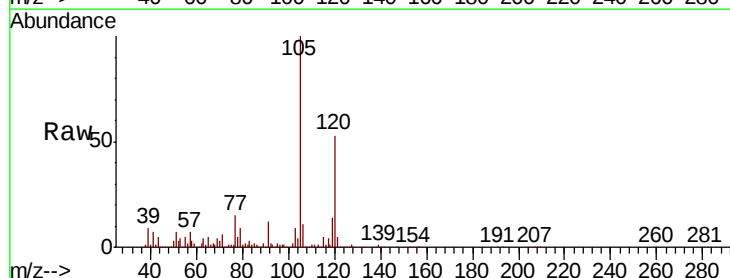
Acq: 21 Nov 2019 17:40

Tgt Ion:105 Resp: 3572934

Ion Ratio Lower Upper

105 100

120 49.8 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2000000

1500000

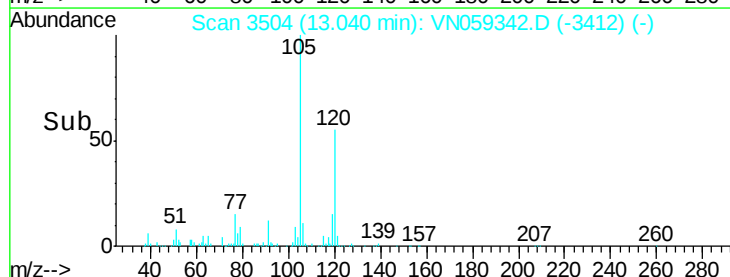
1000000

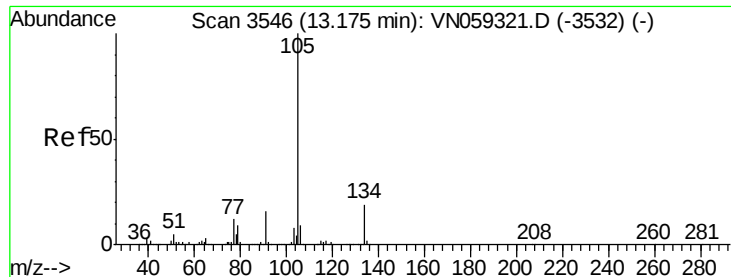
500000

0

13.00 13.10

Time-->





#85

sec-Butylbenzene

Concen: 20.799 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059342.D

Acq: 21 Nov 2019 17:40

Instrument :

MSVOA_N

ClientSampled :

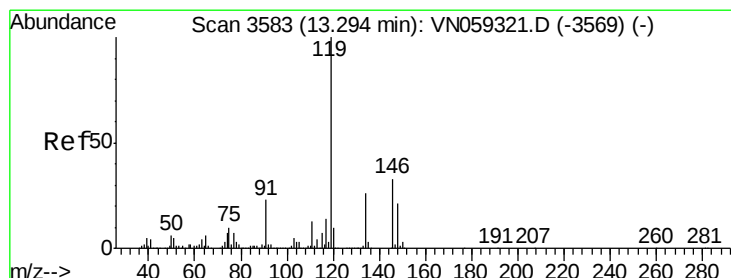
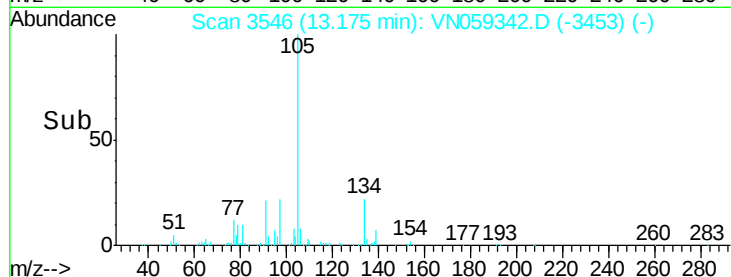
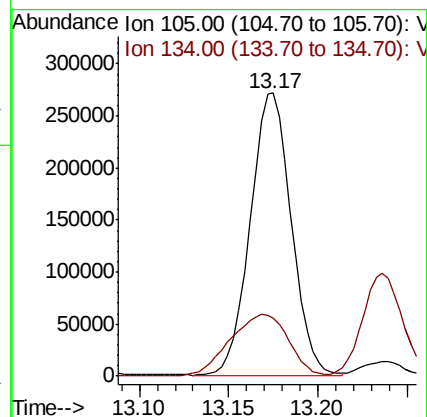
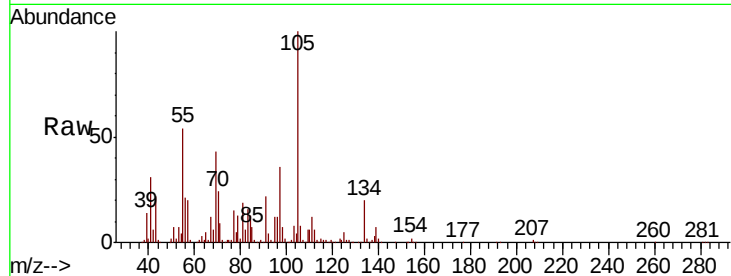
MW-4-(16-18)

Tot Ion:105 Resp: 433310

Ion Ratio Lower Upper

105 100

134 31.1 9.8 29.3#



#86

p-Isopropyltoluene

Concen: 21.891 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059342.D

Acq: 21 Nov 2019 17:40

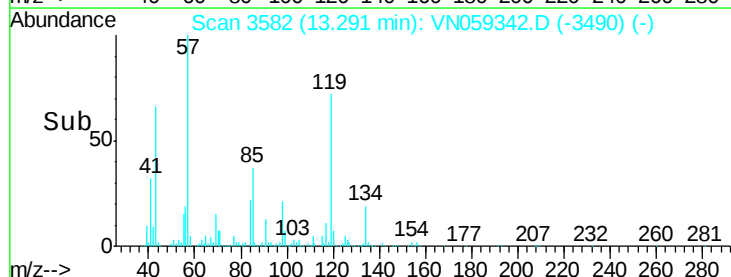
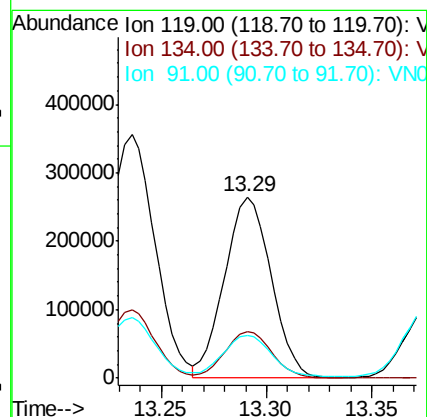
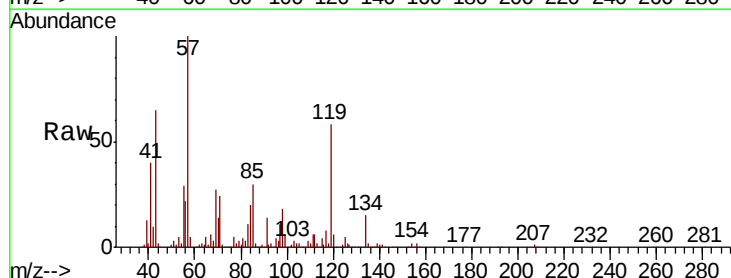
Tgt Ion:119 Resp: 405821

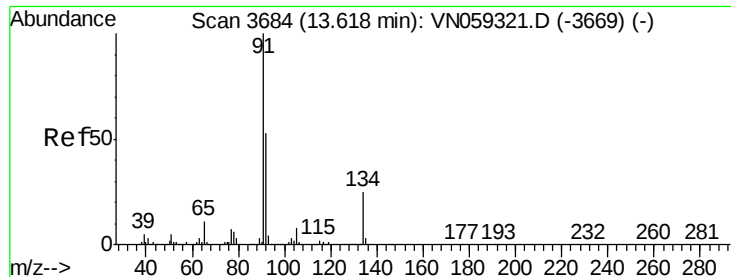
Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

91 23.1 11.6 34.7





#89

n-Butylbenzene

Concen: 25.377 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN059342.D

Acq: 21 Nov 2019 17:40

Instrument :

MSVOA_N

ClientSampleId :

MW-4-(16-18)

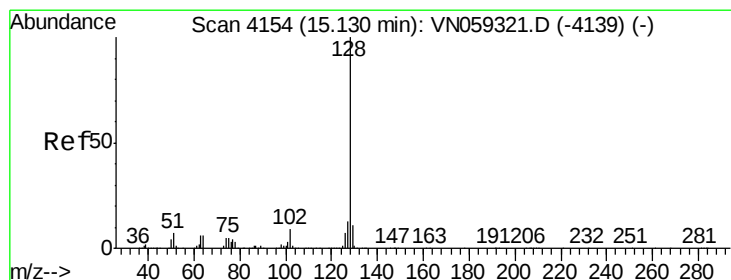
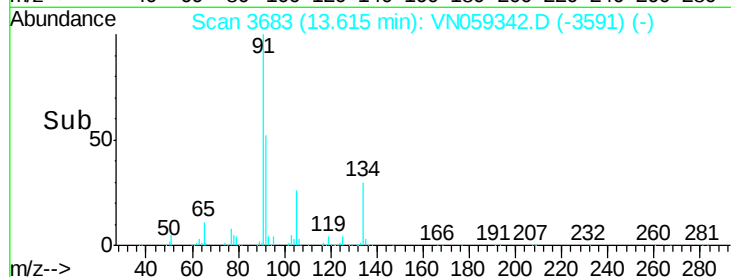
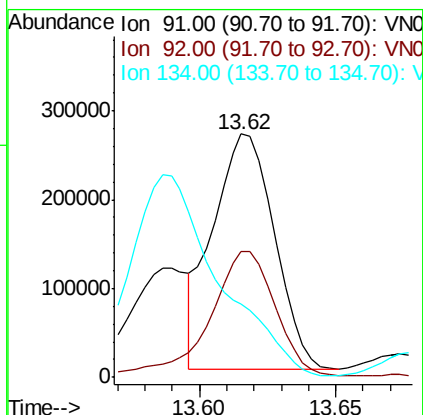
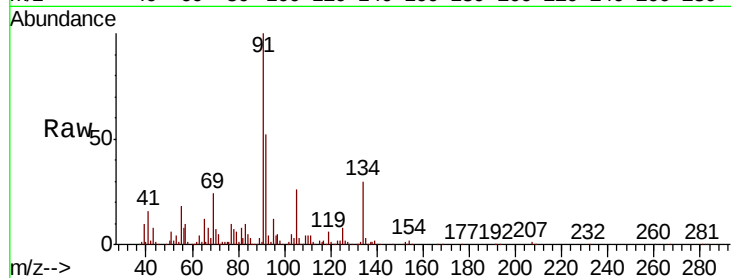
Tot Ion: 91 Resp: 412691

Ion Ratio Lower Upper

91 100

92 56.2 26.0 78.0

134 0.0 12.7 38.1#



#95

Naphthalene

Concen: 10.078 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059342.D

Acq: 21 Nov 2019 17:40

Tgt Ion: 128 Resp: 115925

Ion Ratio Lower Upper

128 100

127 13.6 10.2 15.2

129 10.8 8.6 13.0

