

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112219\
 Data File : VN059366.D
 Acq On : 22 Nov 2019 15:47
 Operator : JC/SP
 Sample : K5957-12DL 20X
 Misc : 5.52g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5-(16-18)DL

Quant Time: Nov 22 16:52:24 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	7.65	168	351239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	540060	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	468801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	201525	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	201336	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
35) Dibromofluoromethane	7.57	113	160960	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
50) Toluene-d8	10.08	98	648962	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
62) 4-Bromofluorobenzene	12.40	95	230685	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	

Target Compounds

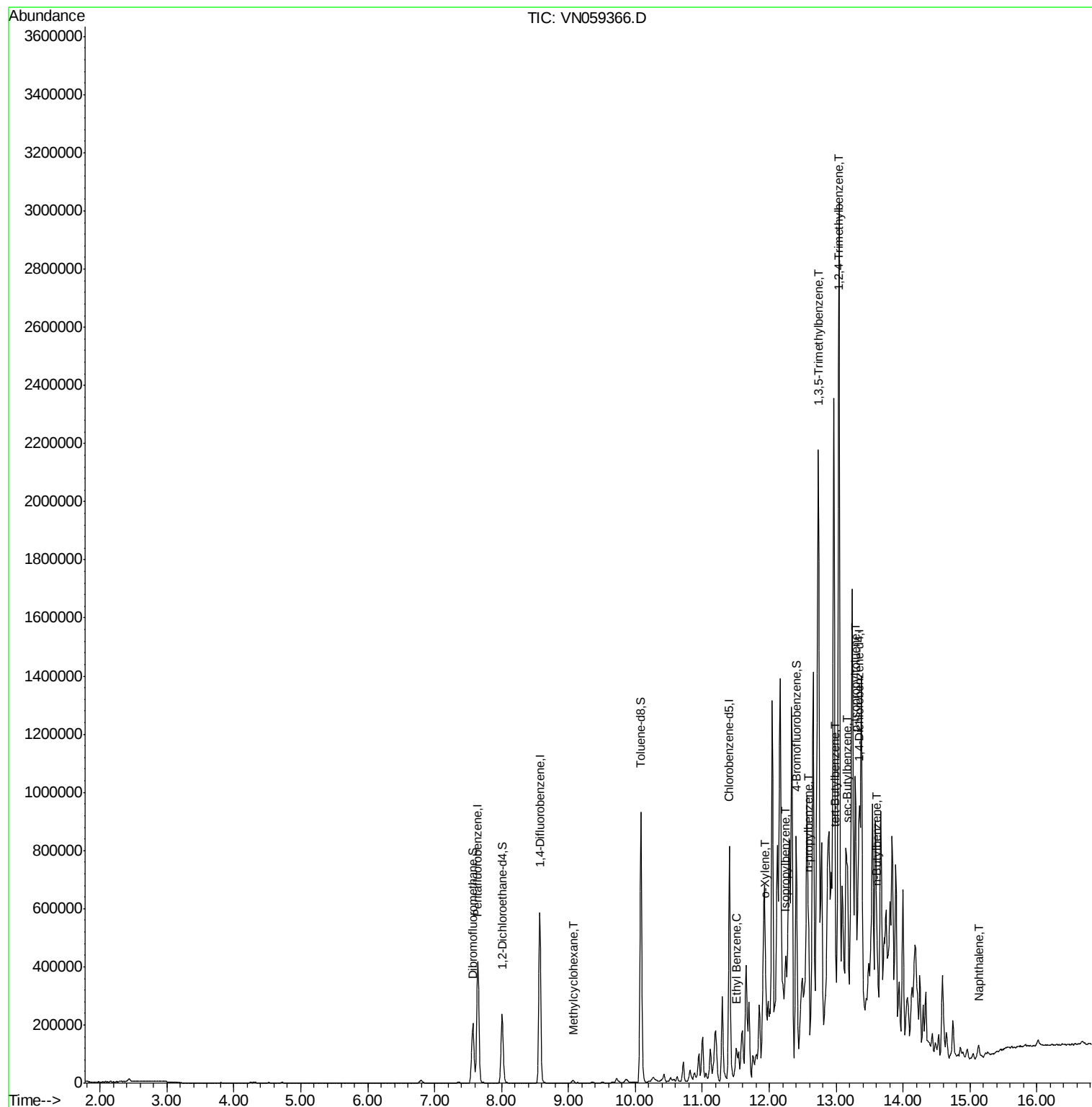
					Qvalue	
39) Methylcyclohexane	9.07	83	3968	0.590	ug/l	91
67) Ethyl Benzene	11.51	91	72567	4.032	ug/l	100
69) o-Xylene	11.95	106	21044	3.287	ug/l	88
73) Isopropylbenzene	12.25	105	95648	5.794	ug/l	99
78) n-propylbenzene	12.59	91	283651	15.168	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	521679	37.591	ug/l	100
83) tert-Butylbenzene	12.99	119	19707	1.681	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	1483011	109.091	ug/l	100
85) sec-Butylbenzene	13.17	105	155285	9.857	ug/l #	71
86) p-Isopropyltoluene	13.29	119	147803	10.544	ug/l	99
89) n-Butylbenzene	13.62	91	122303	9.946	ug/l #	76
95) Naphthalene	15.13	128	34594	5.895	ug/l	97

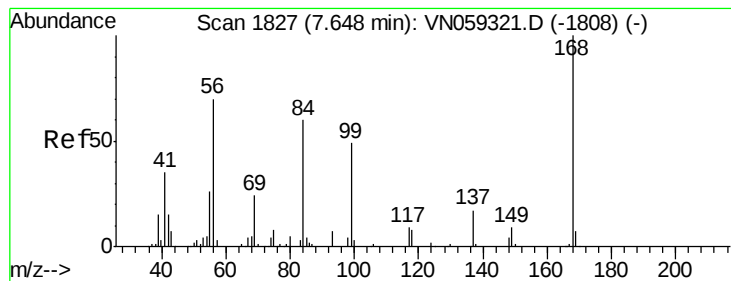
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059366.D

Acq: 22 Nov 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

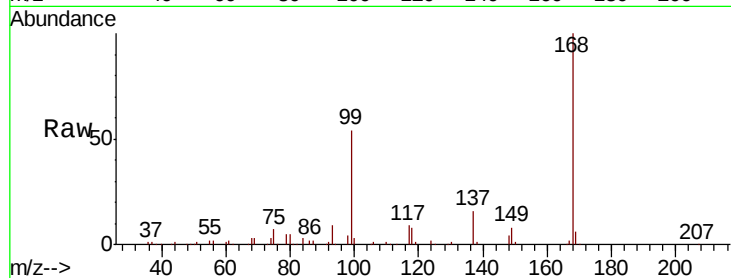
MW-5-(16-18)DL

Tot Ion:168 Resp: 351239

Ion Ratio Lower Upper

168 100

99 54.2 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): VN059366.D (-1734) (-)

Ion 98.90 (98.60 to 99.60): VN059366.D (-1734) (-)

7.65

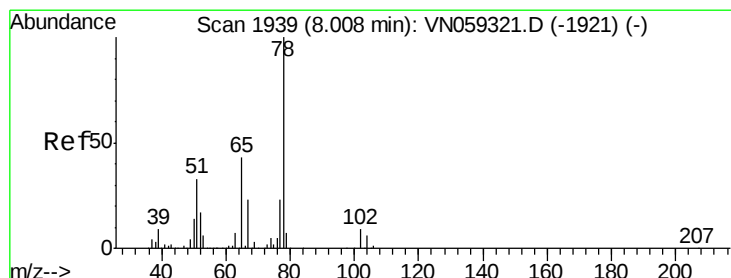
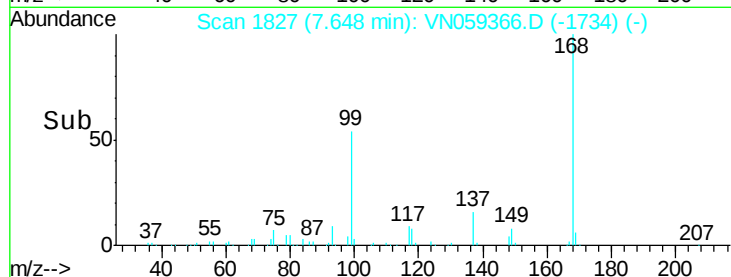
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 47.775 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059366.D

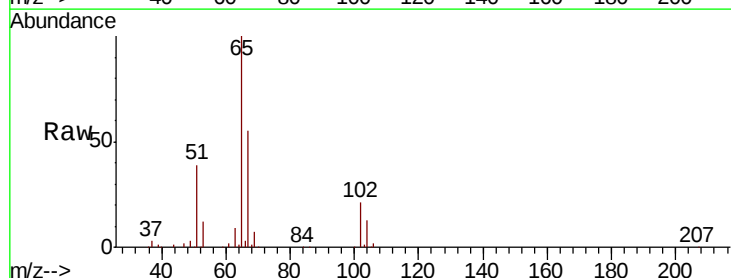
Acq: 22 Nov 2019 15:47

Tgt Ion: 65 Resp: 201336

Ion Ratio Lower Upper

65 100

67 54.3 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VN059366.D (-1846) (-)

Ion 66.90 (66.60 to 67.60): VN059366.D (-1846) (-)

8.01

100000

80000

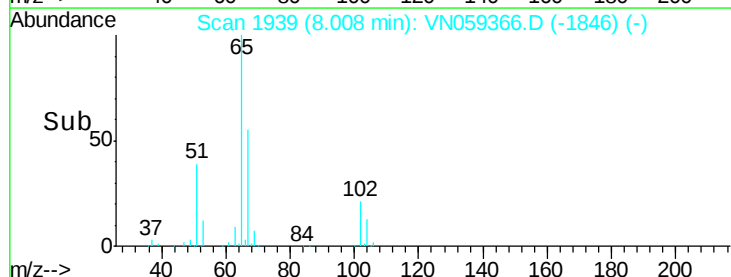
60000

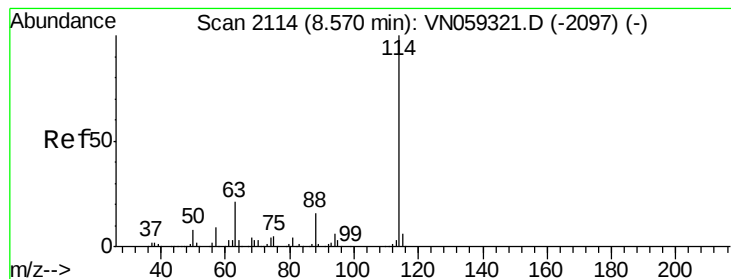
40000

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: VN059366.D

Acq: 22 Nov 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

MW-5-(16-18)DL

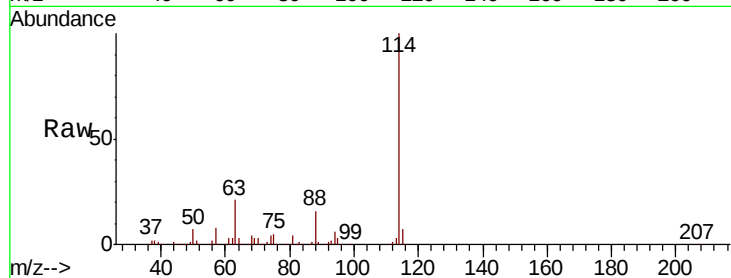
Tot Ion:114 Resp: 540060

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.2

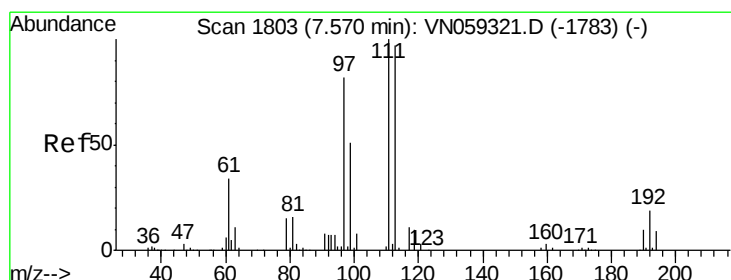
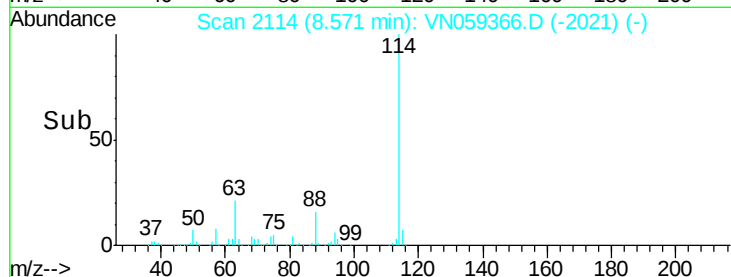
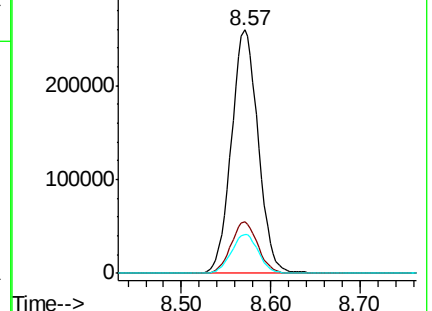
88 16.0 0.0 32.2



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: 49.678 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059366.D

Acq: 22 Nov 2019 15:47

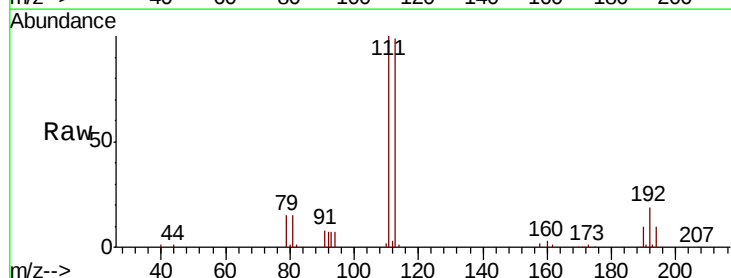
Tgt Ion:113 Resp: 160960

Ion Ratio Lower Upper

113 100

111 103.2 82.7 124.1

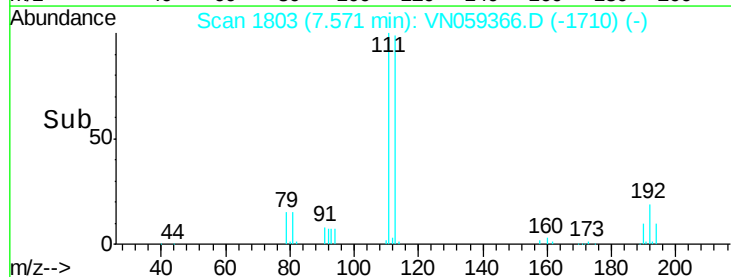
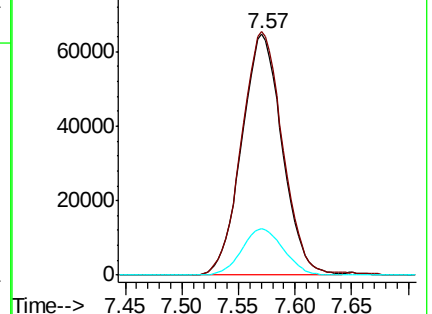
192 19.9 16.3 24.5

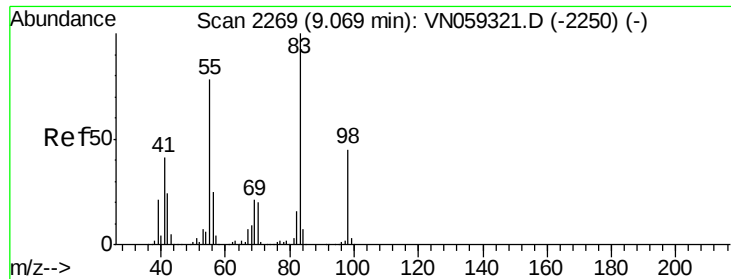


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

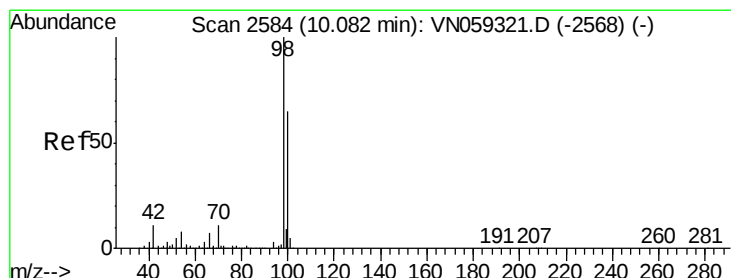
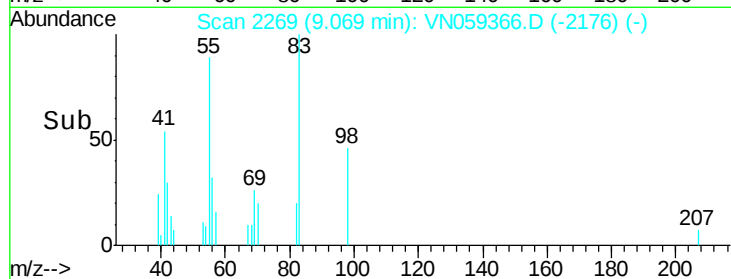
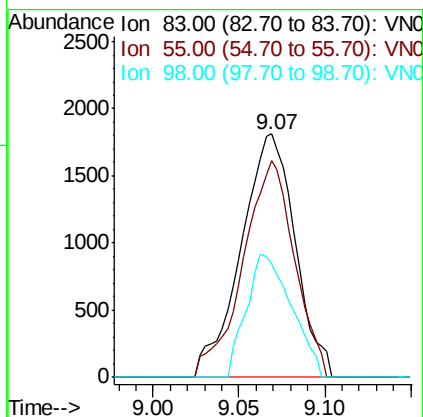
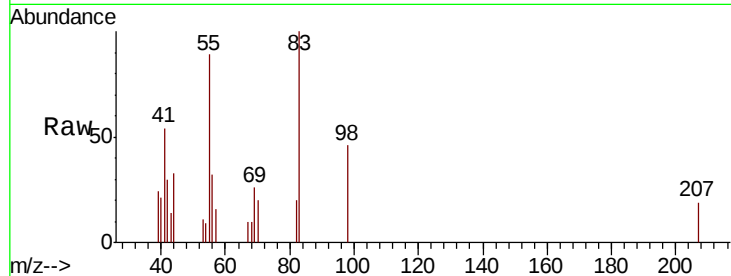




#39
Methvlcvclohexane
Concen: 0.590 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059366.D
Acq: 22 Nov 2019 15:47

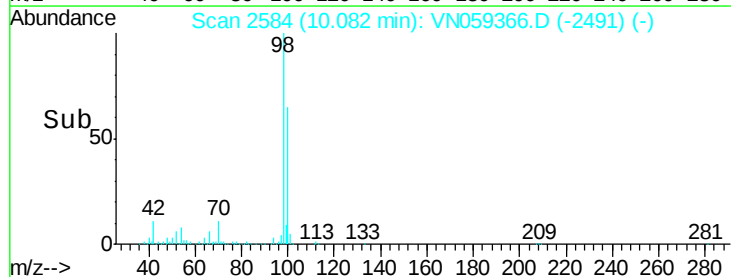
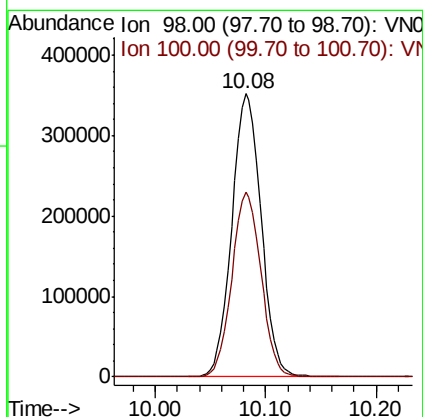
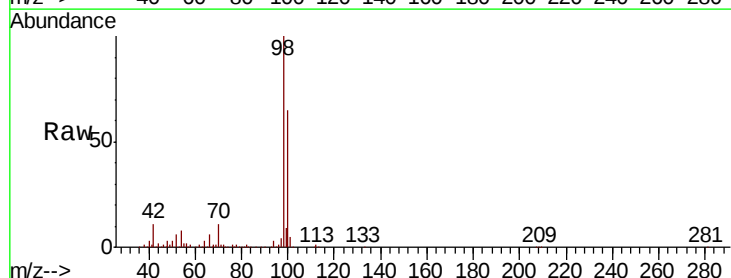
Instrument :
MSVOA_N
ClientSampleId :
MW-5-(16-18)DL

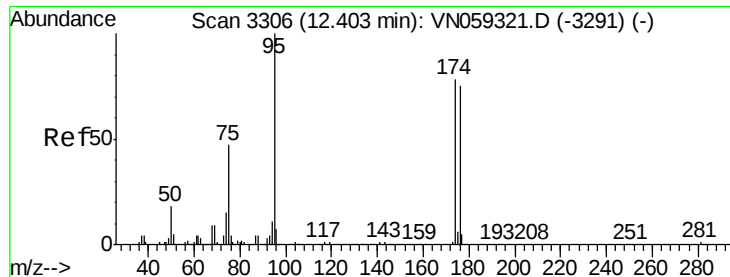
Tot Ion: 83 Resp: 3968
Ion Ratio Lower Upper
83 100
55 88.9 62.3 93.5
98 46.4 36.0 54.0



#50
Toluene-d8
Concen: 50.383 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059366.D
Acq: 22 Nov 2019 15:47

Tgt Ion: 98 Resp: 648962
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5





#62

4-Bromofluorobenzene

Concen: 51.220 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059366.D

Acq: 22 Nov 2019 15:47

Instrument :

MSVOA_N

ClientSampled :

MW-5-(16-18)DL

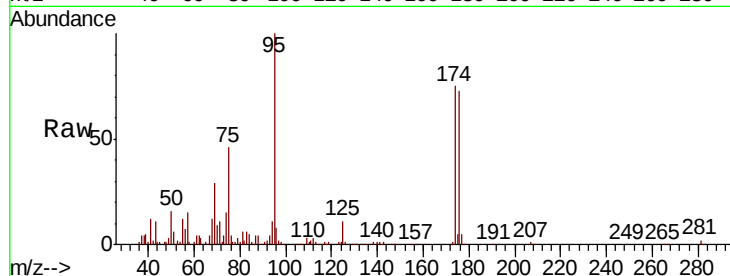
Tot Ion: 95 Resp: 230685

Ion Ratio Lower Upper

95 100

174 75.5 0.0 157.4

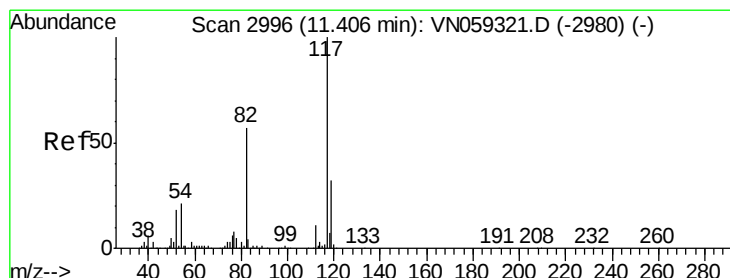
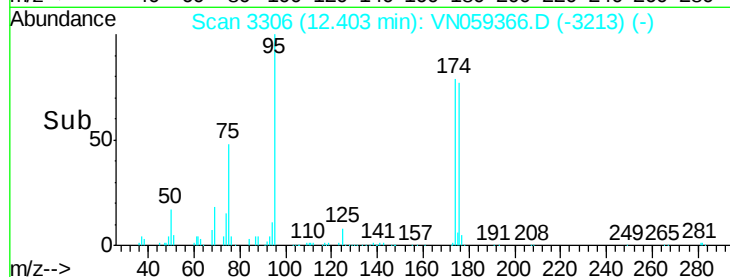
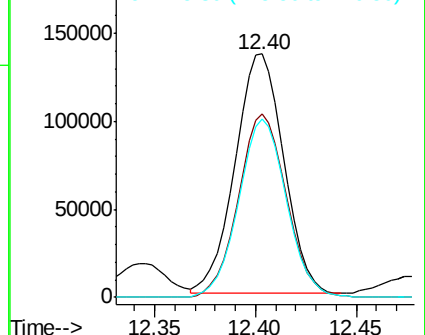
176 73.1 0.0 151.2



Abundance Ion 94.90 (94.60 to 95.60): VN059366.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN059366.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN059366.D (-3213) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN059366.D

Acq: 22 Nov 2019 15:47

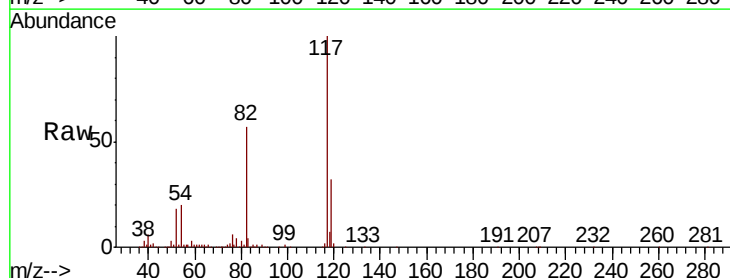
Tgt Ion: 117 Resp: 468801

Ion Ratio Lower Upper

117 100

82 56.4 45.7 68.5

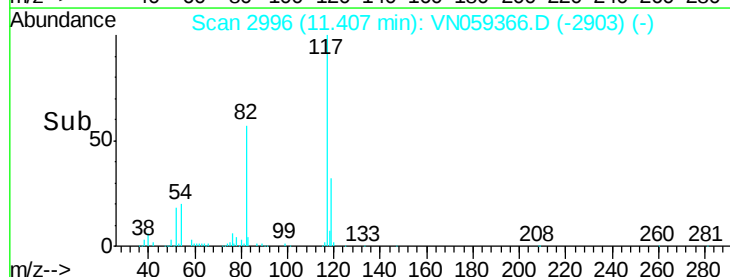
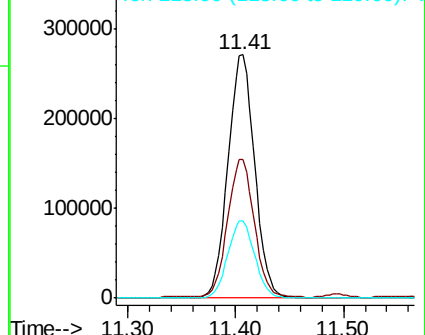
119 31.9 25.8 38.6

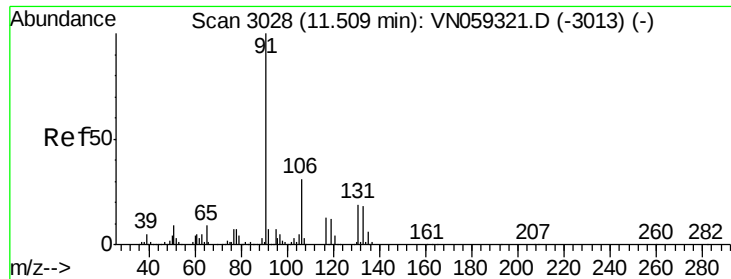


Abundance Ion 116.90 (116.60 to 117.60): VN059366.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN059366.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN059366.D (-2903) (-)

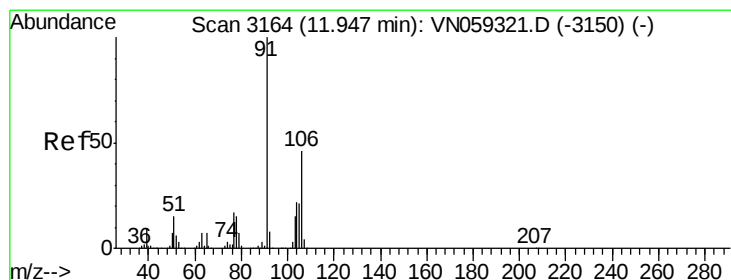
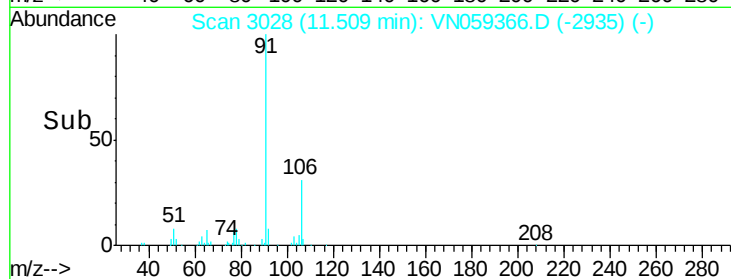
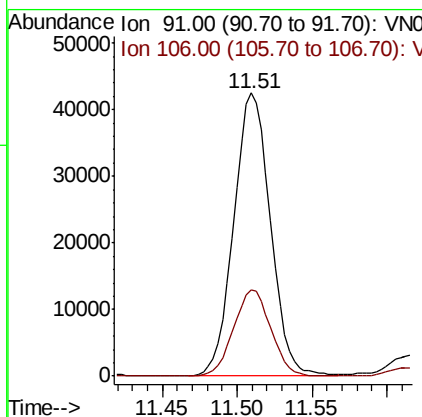
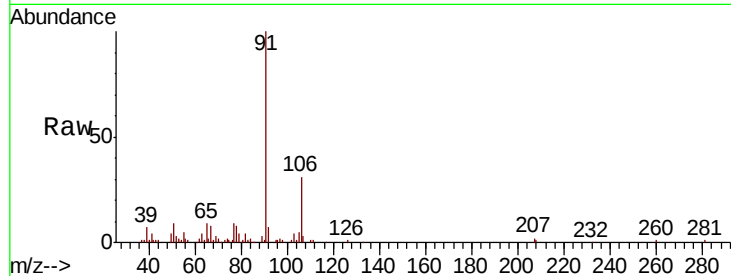




#67
Ethyl Benzene
Concen: 4.032 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059366.D
Acq: 22 Nov 2019 15:47

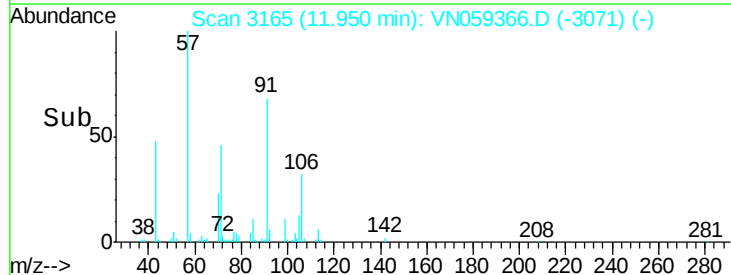
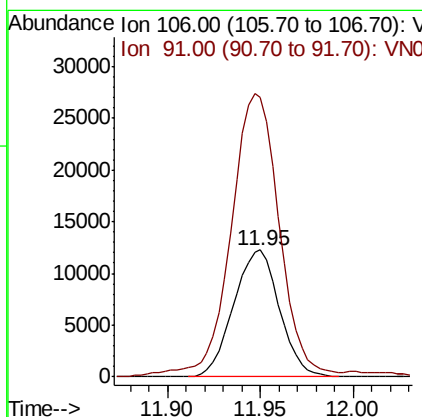
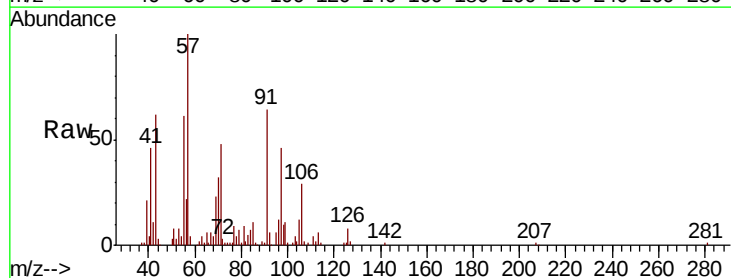
Instrument :
MSVOA_N
ClientSampleId :
MW-5-(16-18)DL

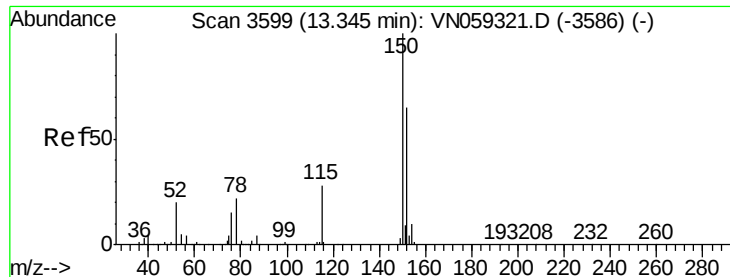
Tot Ion: 91 Resp: 72567
Ion Ratio Lower Upper
91 100
106 30.6 24.6 37.0



#69
o-Xylene
Concen: 3.287 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN059366.D
Acq: 22 Nov 2019 15:47

Tgt Ion: 106 Resp: 21044
Ion Ratio Lower Upper
106 100
91 237.2 109.3 327.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059366.D

Acq: 22 Nov 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

MW-5-(16-18)DL

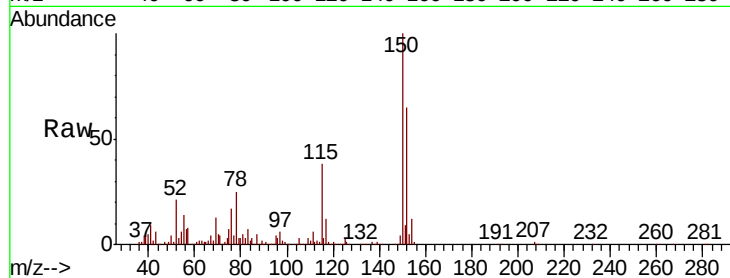
Tot Ion:152 Resp: 201525

Ion Ratio Lower Upper

152 100

115 69.1 29.3 88.0

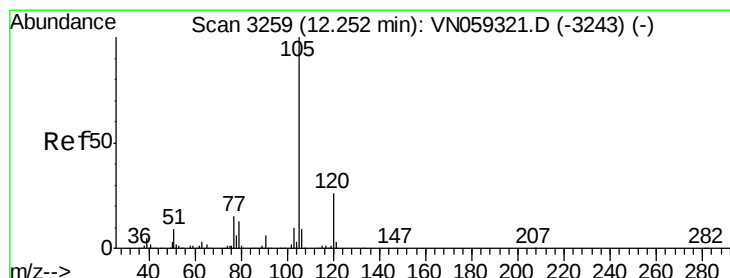
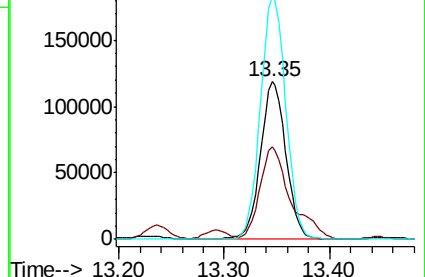
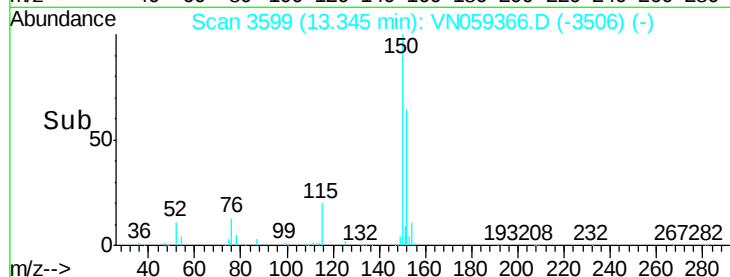
150 152.7 0.0 346.0



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: 5.794 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059366.D

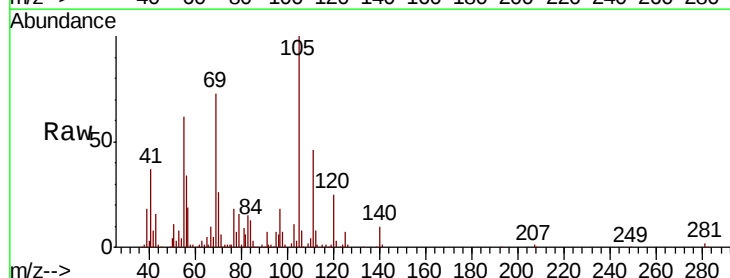
Acq: 22 Nov 2019 15:47

Tgt Ion:105 Resp: 95648

Ion Ratio Lower Upper

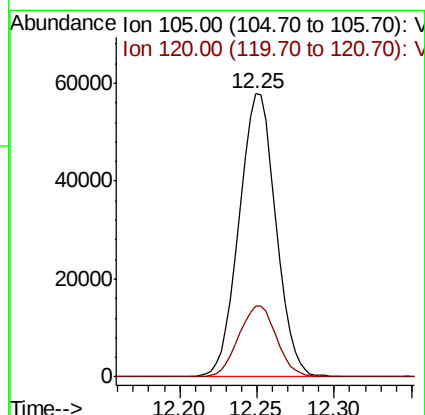
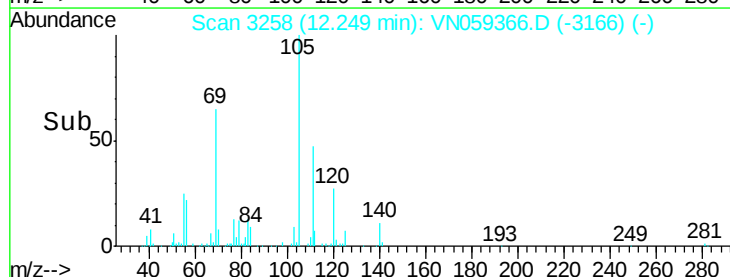
105 100

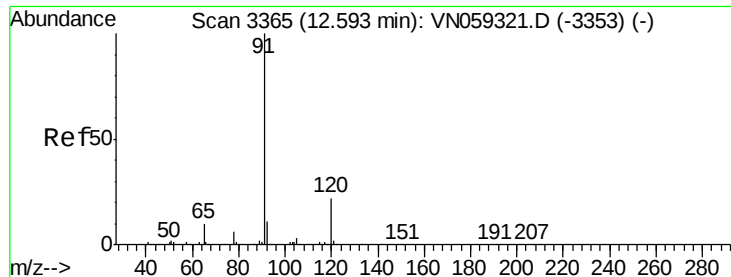
120 25.7 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 15.168 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059366.D

Acq: 22 Nov 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

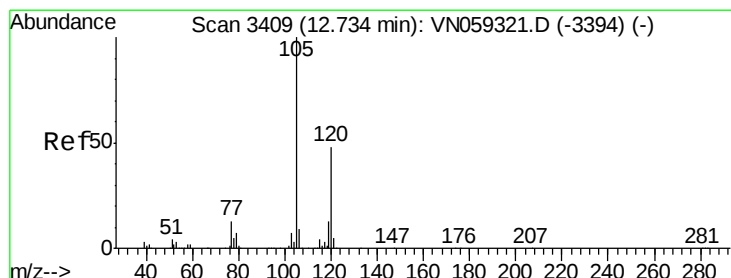
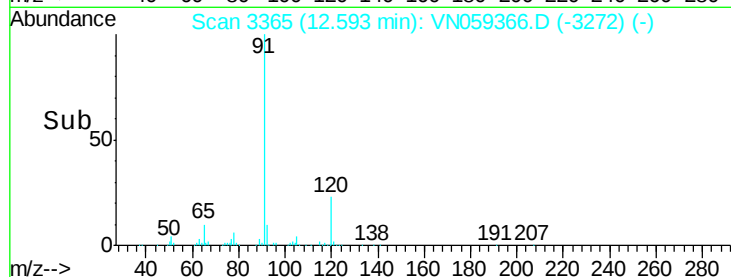
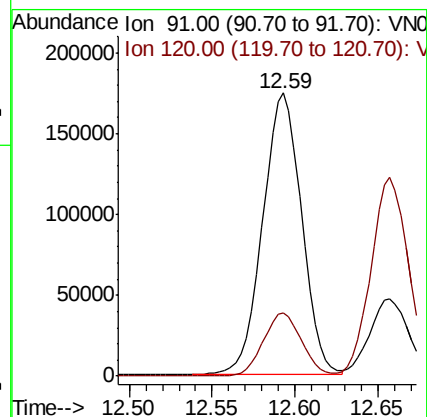
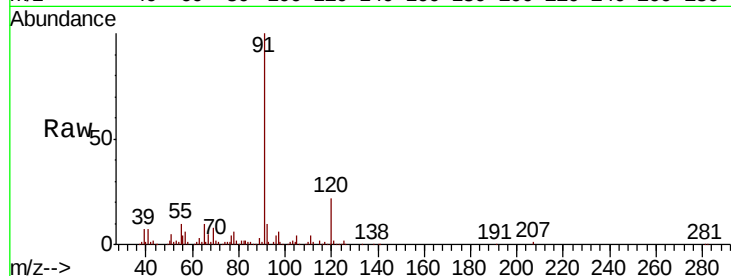
MW-5-(16-18)DL

Tot Ion: 91 Resp: 283651

Ion Ratio Lower Upper

91 100

120 22.0 11.3 33.9



#80

1,3,5-Trimethylbenzene

Concen: 37.591 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059366.D

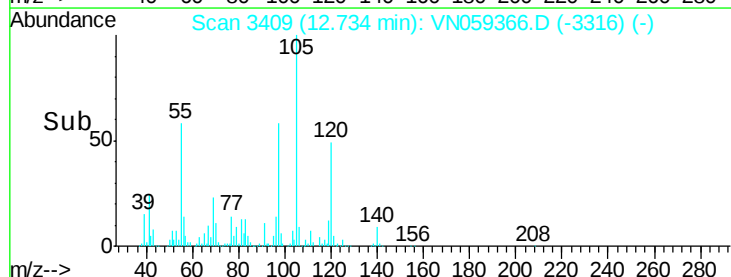
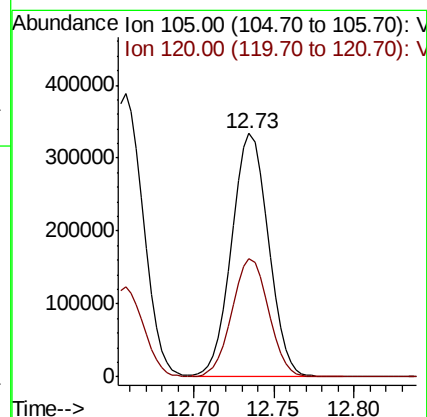
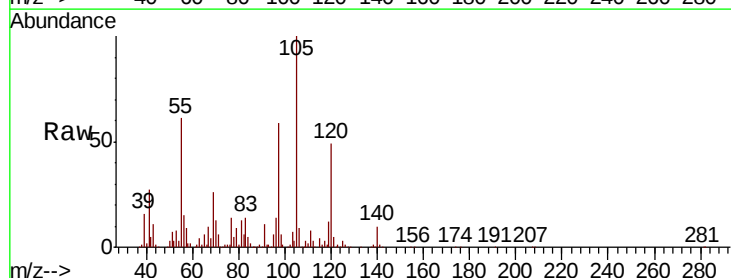
Acq: 22 Nov 2019 15:47

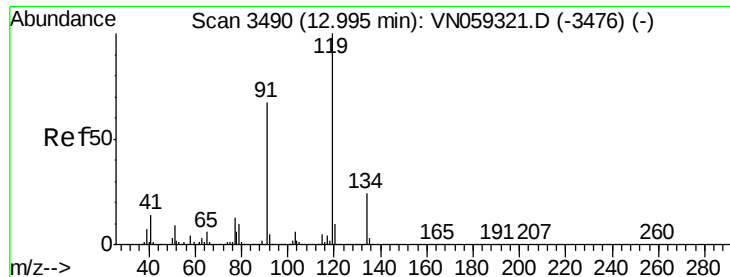
Tgt Ion: 105 Resp: 521679

Ion Ratio Lower Upper

105 100

120 48.4 24.1 72.4

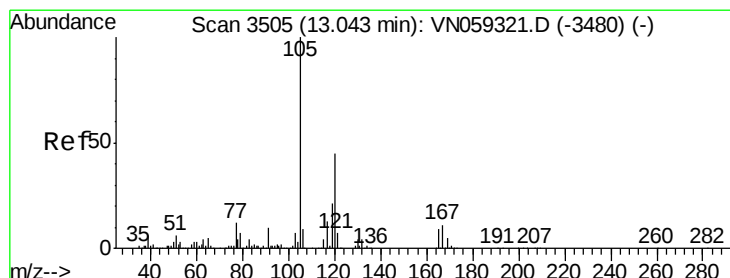
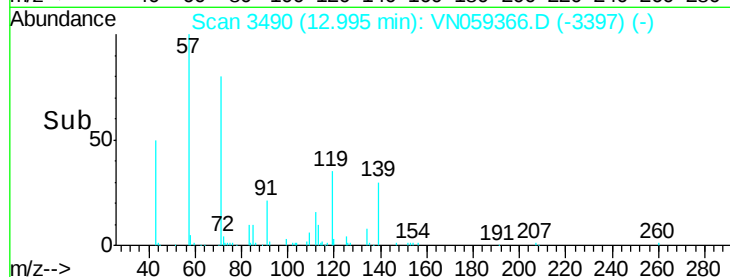
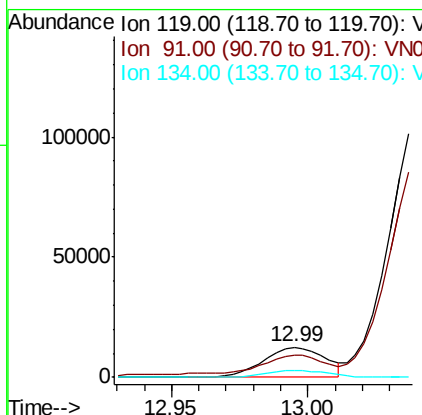
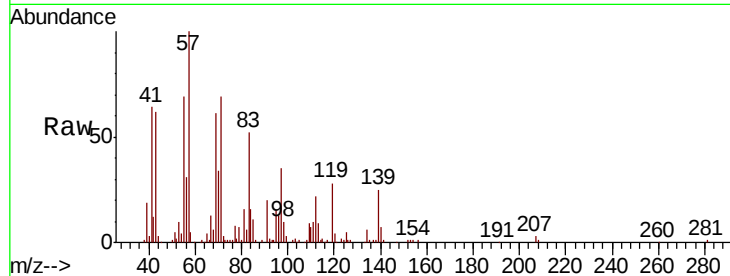




#83
tert-Butylbenzene
Concen: 1.681 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN059366.D
Acq: 22 Nov 2019 15:47

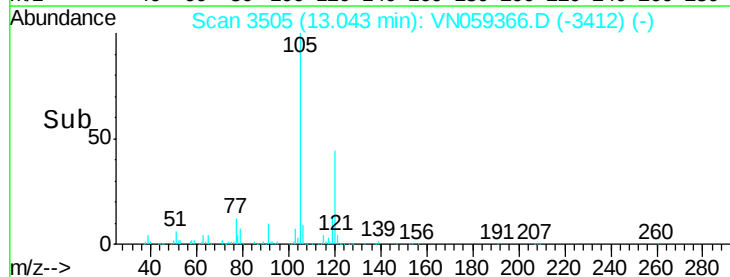
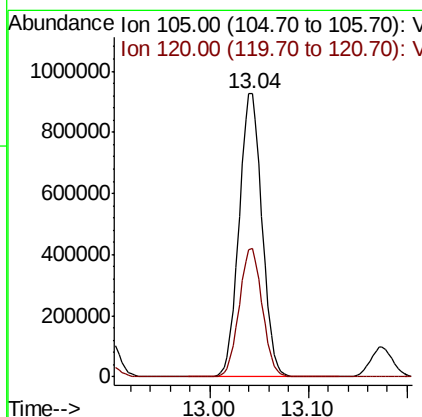
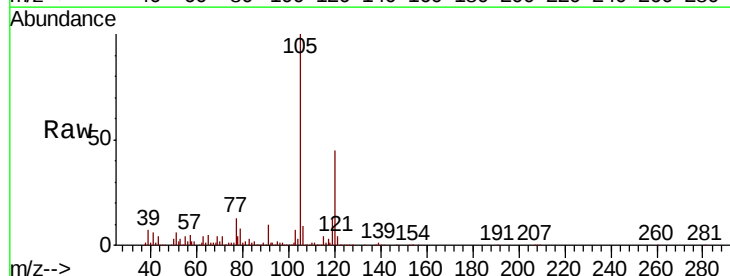
Instrument :
MSVOA_N
ClientSampled :
MW-5-(16-18)DL

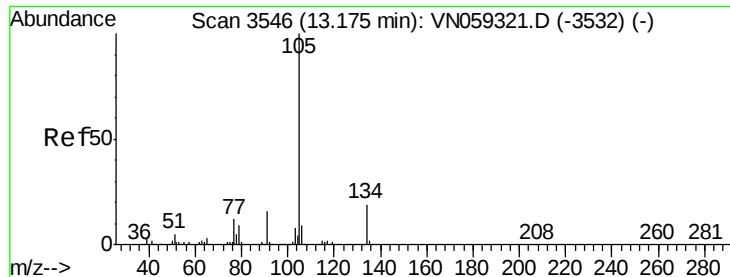
Tot Ion:119 Resp: 19707
Ion Ratio Lower Upper
119 100
91 69.5 32.8 98.4
134 23.0 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 109.091 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN059366.D
Acq: 22 Nov 2019 15:47

Tgt Ion:105 Resp: 1483011
Ion Ratio Lower Upper
105 100
120 45.4 22.6 67.8





#85

sec-Butylbenzene

Concen: 9.857 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059366.D

Acq: 22 Nov 2019 15:47

Instrument :

MSVOA_N

ClientSampled :

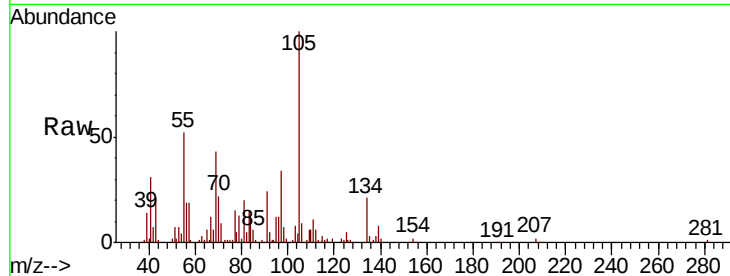
MW-5-(16-18)DL

Tot Ion:105 Resp: 155285

Ion Ratio Lower Upper

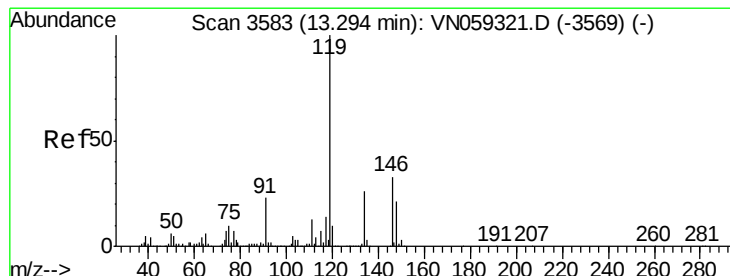
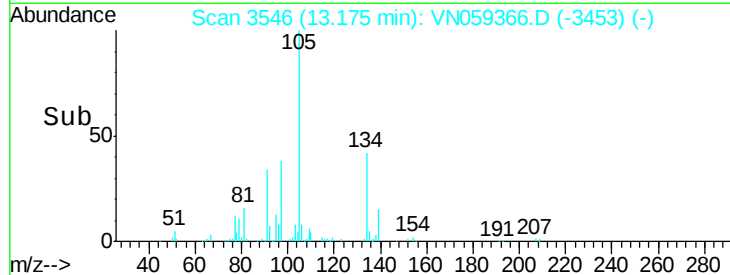
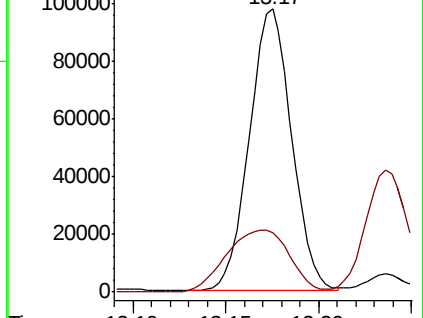
105 100

134 32.8 9.8 29.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 10.544 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059366.D

Acq: 22 Nov 2019 15:47

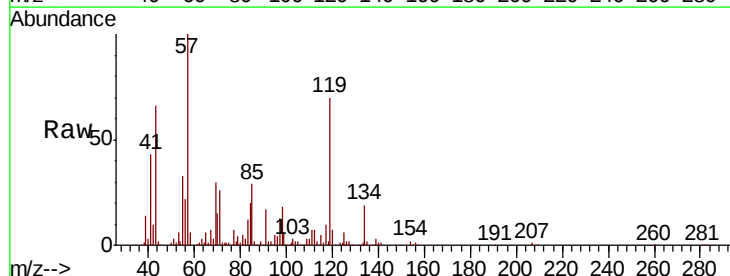
Tgt Ion:119 Resp: 147803

Ion Ratio Lower Upper

119 100

134 26.6 13.0 38.9

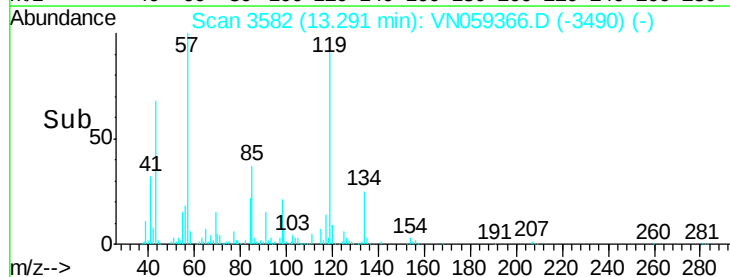
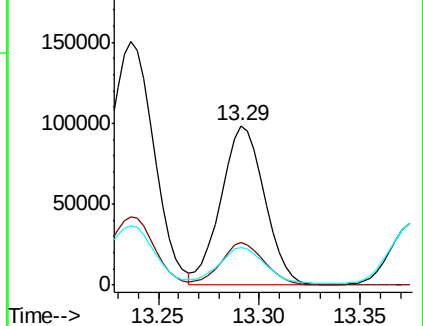
91 23.3 11.6 34.7

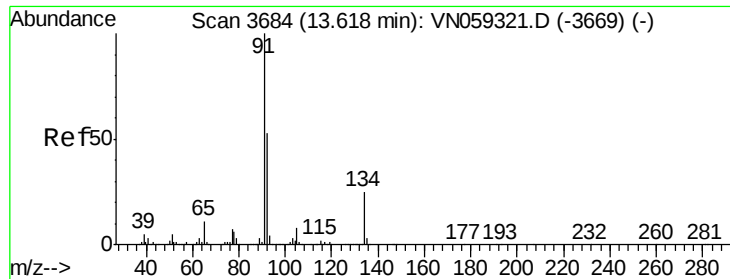


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

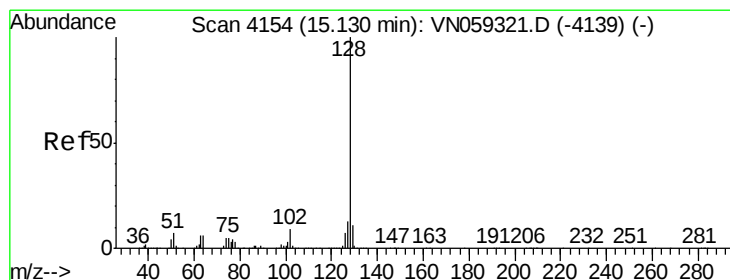
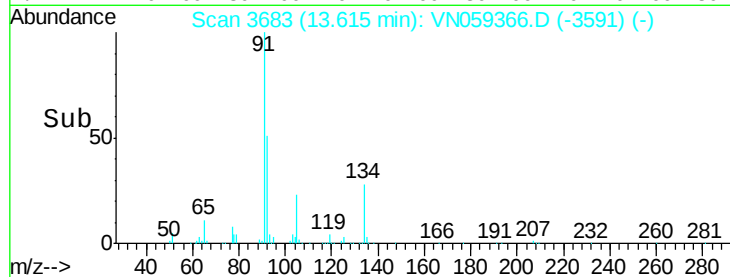
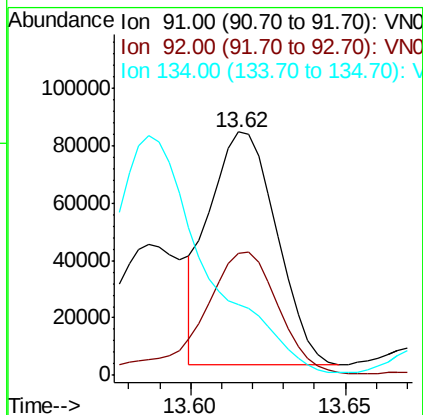
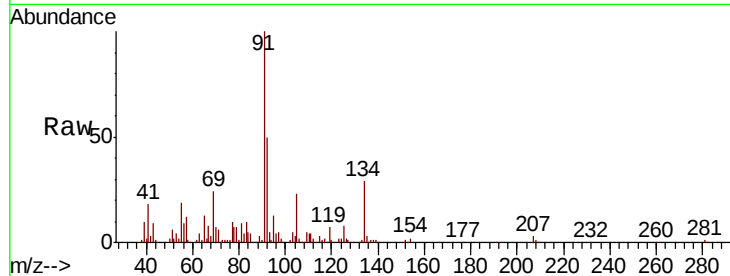




#89
n-Butylbenzene
Concen: 9.946 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059366.D
Acq: 22 Nov 2019 15:47

Instrument :
MSVOA_N
ClientSampled :
MW-5-(16-18)DL

Tot Ion: 91 Resp: 122303
Ion Ratio Lower Upper
91 100
92 59.5 26.0 78.0
134 0.0 12.7 38.1#



#95
Naphthalene
Concen: 5.895 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059366.D
Acq: 22 Nov 2019 15:47

Tgt Ion: 128 Resp: 34594
Ion Ratio Lower Upper
128 100
127 13.7 10.2 15.2
129 12.2 8.6 13.0

