

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112219\
 Data File : VN059373.D
 Acq On : 22 Nov 2019 18:20
 Operator : JC/SP
 Sample : K5957-06DL 50X
 Misc : 5.45g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3-(17-20)DL

Quant Time: Nov 22 19:02:47 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	362105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	551797	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	480821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	201335	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	204253	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	
35) Dibromofluoromethane	7.57	113	165240	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
50) Toluene-d8	10.08	98	667785	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
62) 4-Bromofluorobenzene	12.40	95	238214	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	

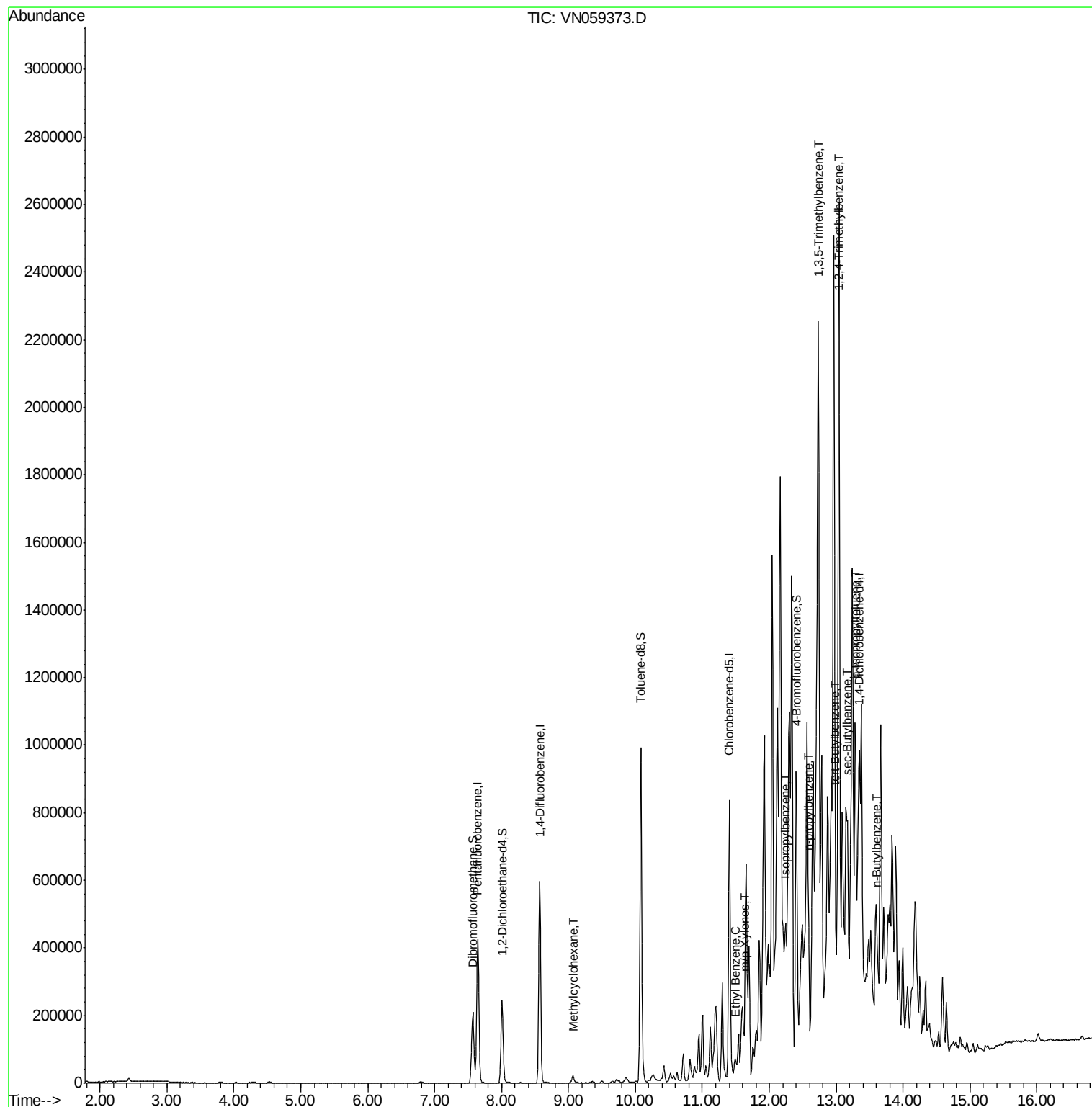
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Methylcyclohexane	9.07	83	8922	1.299	ug/l	94
67) Ethyl Benzene	11.51	91	18309	0.992	ug/l	98
68) m/p-Xylenes	11.62	106	20926	3.051	ug/l	97
73) Isopropylbenzene	12.25	105	69719	4.227	ug/l	99
78) n-propylbenzene	12.59	91	198081	10.603	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	449732	32.437	ug/l	99
83) tert-Butylbenzene	12.99	119	16193	1.383	ug/l	80
84) 1,2,4-Trimethylbenzene	13.04	105	1196503	88.098	ug/l	99
85) sec-Butylbenzene	13.17	105	140662	8.938	ug/l #	64
86) p-Isopropyltoluene	13.29	119	90127	6.435	ug/l	99
89) n-Butylbenzene	13.62	91	119141	9.698	ug/l #	73

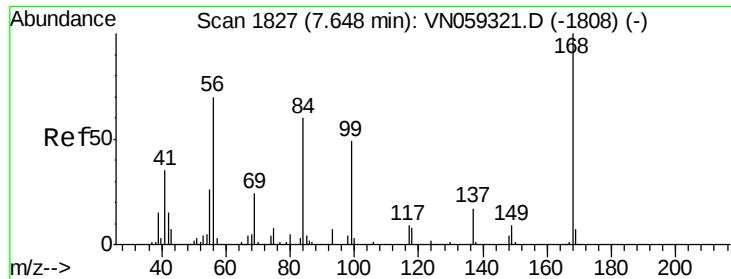
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 21 08:44:45 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059373.D

Acq: 22 Nov 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

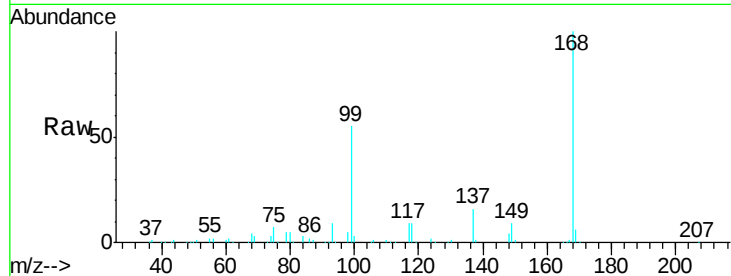
MW-3-(17-20)DL

Tgt Ion:168 Resp: 362105

Ion Ratio Lower Upper

168 100

99 54.9 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): VN059321.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN059321.D (-1808) (-)

7.64

150000

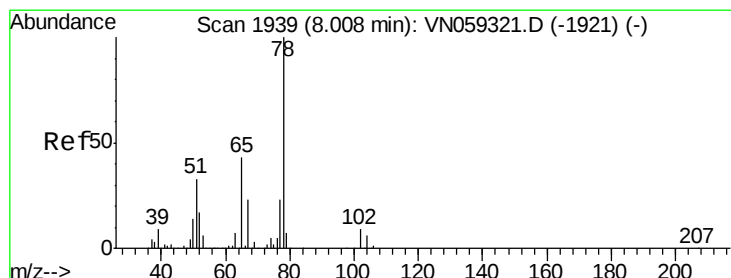
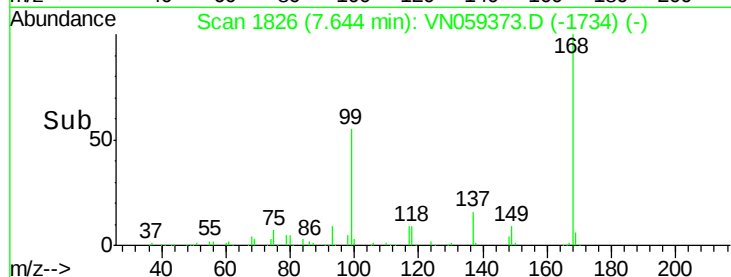
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#33

1,2-Dichloroethane-d4

Concen: 47.012 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059373.D

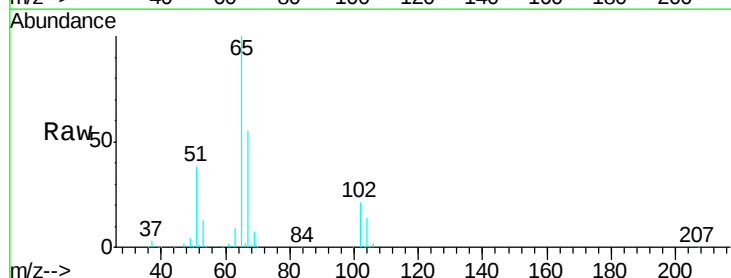
Acq: 22 Nov 2019 18:20

Tgt Ion: 65 Resp: 204253

Ion Ratio Lower Upper

65 100

67 54.4 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VN059321.D (-1921) (-)

Ion 66.90 (66.60 to 67.60): VN059321.D (-1921) (-)

8.01

100000

80000

60000

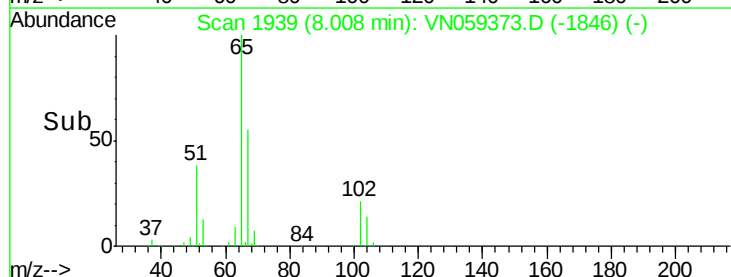
40000

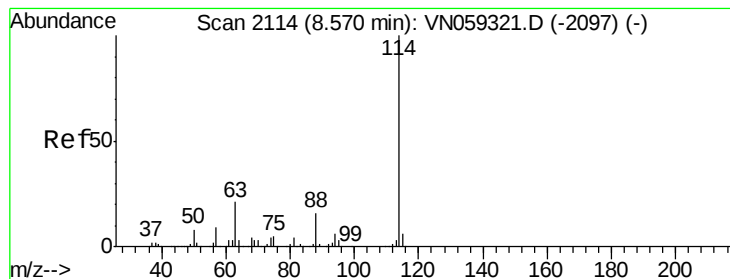
20000

0

7.90 8.00 8.10

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059373.D

Acq: 22 Nov 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

MW-3-(17-20)DL

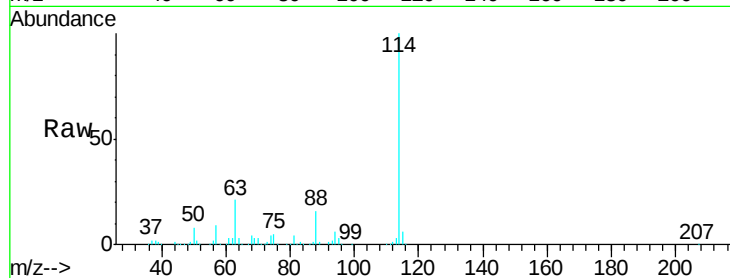
Tgt Ion:114 Resp: 551797

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.2

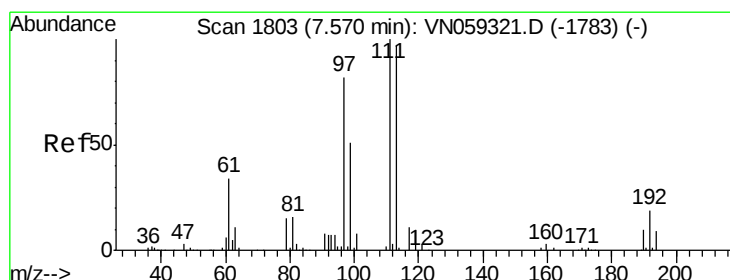
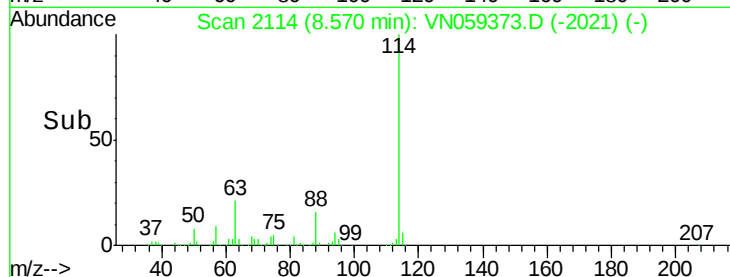
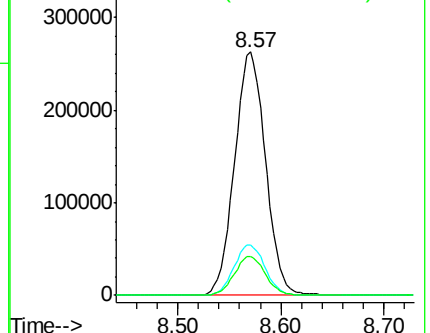
88 16.0 0.0 32.2



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: 49.914 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059373.D

Acq: 22 Nov 2019 18:20

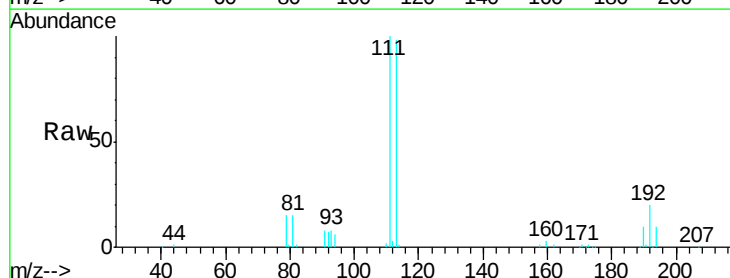
Tgt Ion:113 Resp: 165240

Ion Ratio Lower Upper

113 100

111 100.6 82.7 124.1

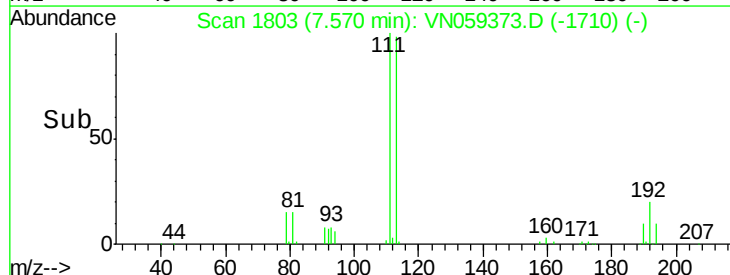
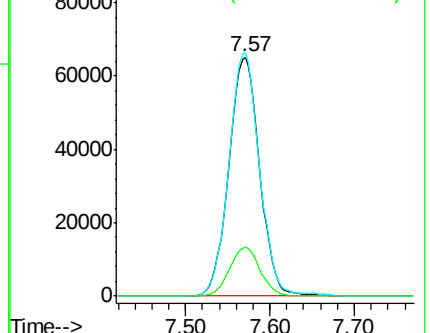
192 20.2 16.3 24.5

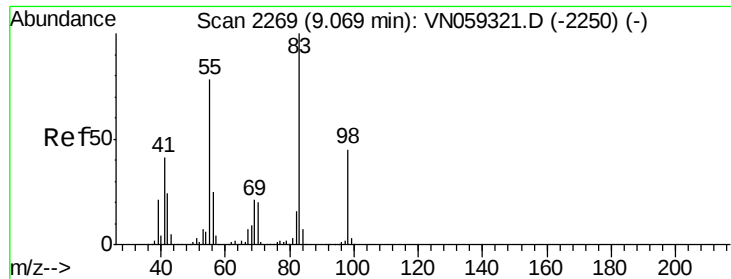


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

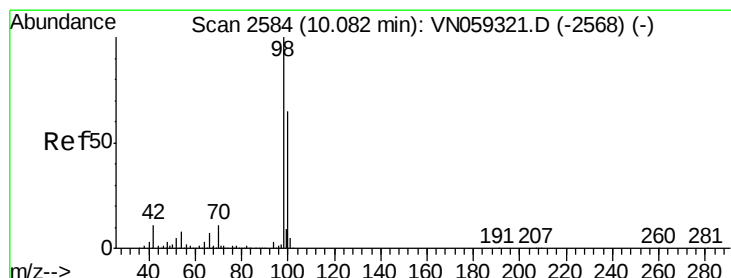
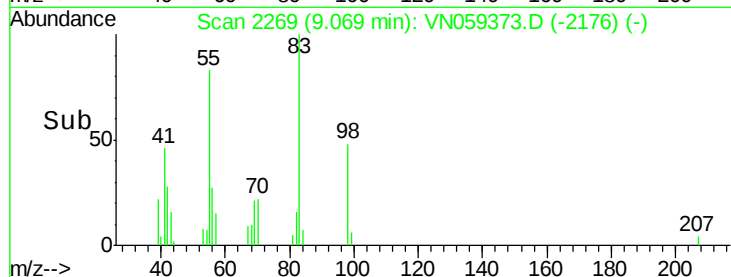
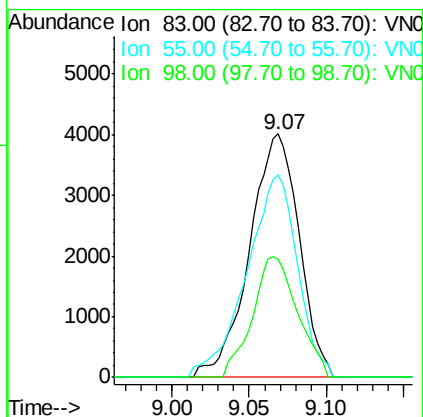
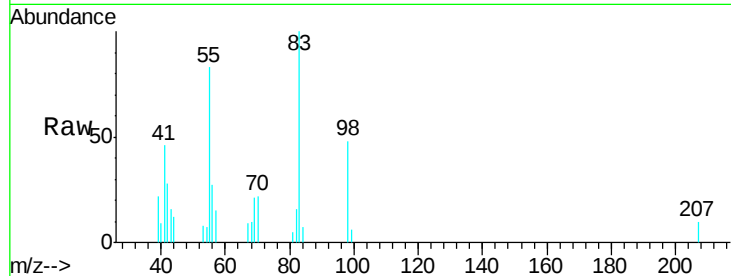




#39
Methylcyclohexane
Concen: 1.299 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059373.D
Acq: 22 Nov 2019 18:20

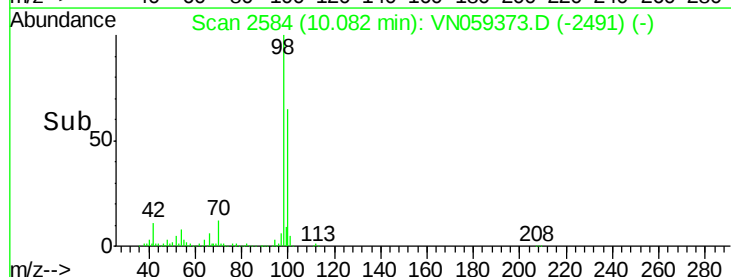
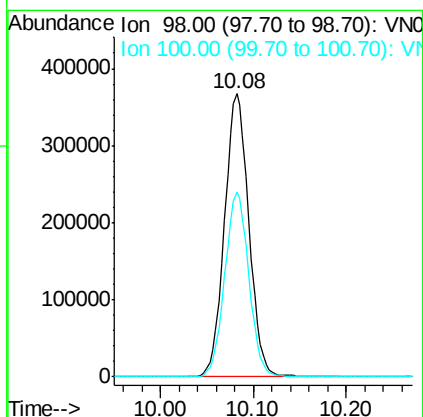
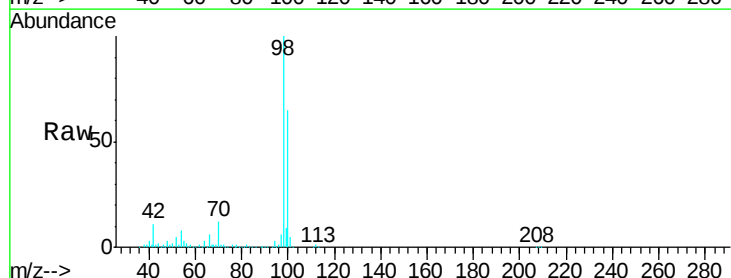
Instrument :
MSVOA_N
ClientSampleId :
MW-3-(17-20)DL

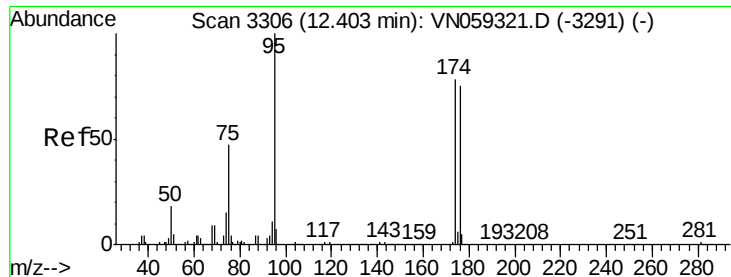
Tgt Ion: 83 Resp: 8922
Ion Ratio Lower Upper
83 100
55 83.1 62.3 93.5
98 48.4 36.0 54.0



#50
Toluene-d8
Concen: 50.741 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059373.D
Acq: 22 Nov 2019 18:20

Tgt Ion: 98 Resp: 667785
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5





#62

4-Bromofluorobenzene

Concen: 51.767 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059373.D

Acq: 22 Nov 2019 18:20

Instrument :

MSVOA_N

ClientSampled :

MW-3-(17-20)DL

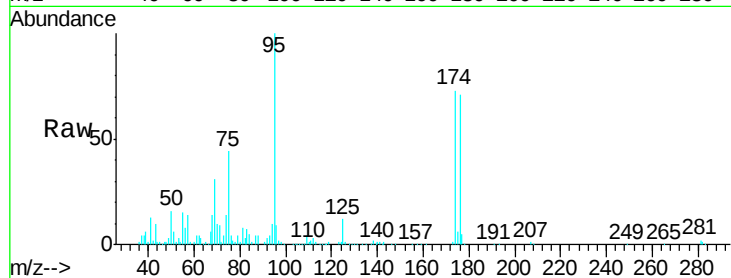
Tgt Ion: 95 Resp: 238214

Ion Ratio Lower Upper

95 100

174 74.5 0.0 157.4

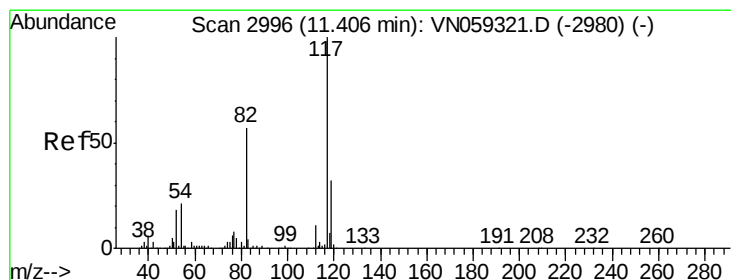
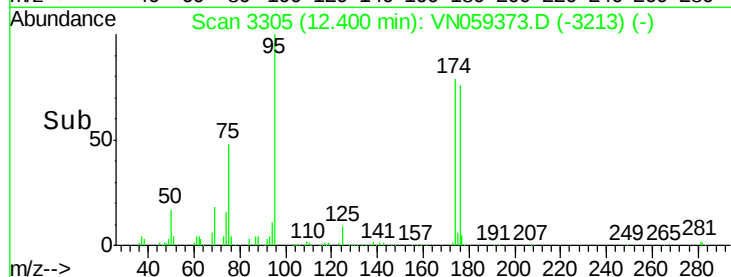
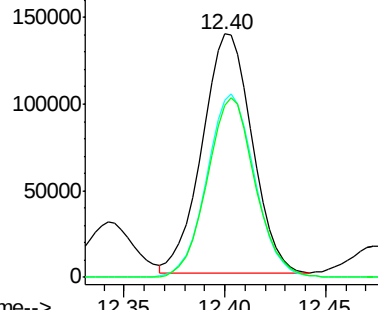
176 72.5 0.0 151.2



Abundance Ion 94.90 (94.60 to 95.60): VN059321.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN059321.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN059321.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059373.D

Acq: 22 Nov 2019 18:20

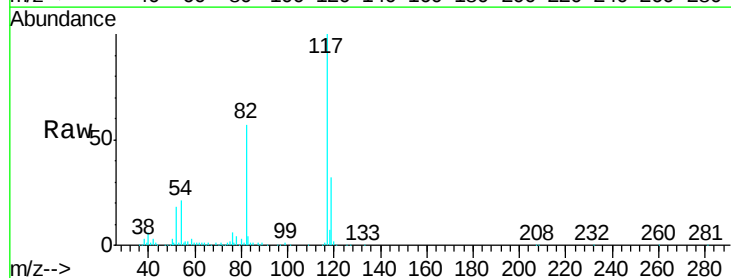
Tgt Ion: 117 Resp: 480821

Ion Ratio Lower Upper

117 100

82 56.2 45.7 68.5

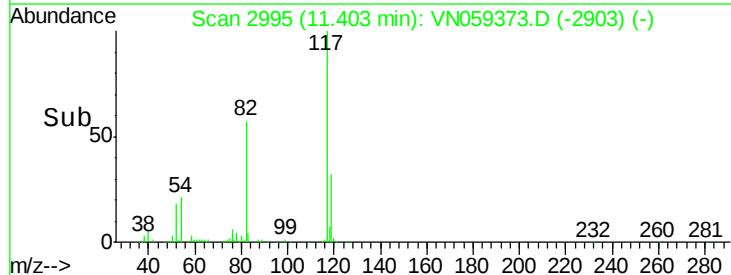
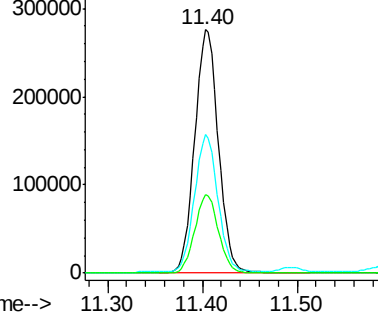
119 32.2 25.8 38.6

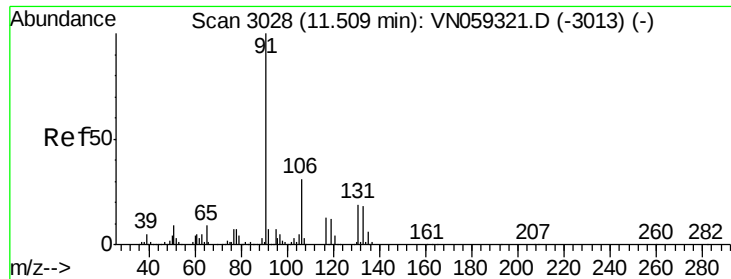


Abundance Ion 116.90 (116.60 to 117.60): VN059321.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN059321.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN059321.D (-2980) (-)





#67

Ethyl Benzene

Concen: 0.992 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059373.D

Acq: 22 Nov 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

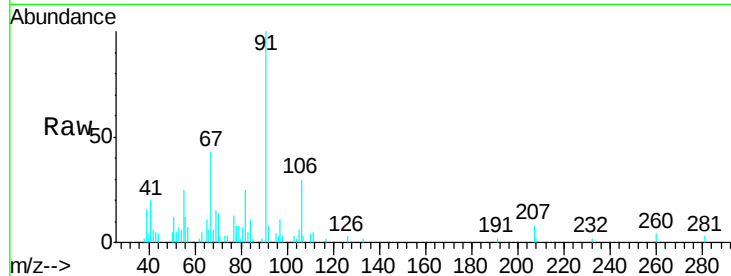
MW-3-(17-20)DL

Tgt Ion: 91 Resp: 18309

Ion Ratio Lower Upper

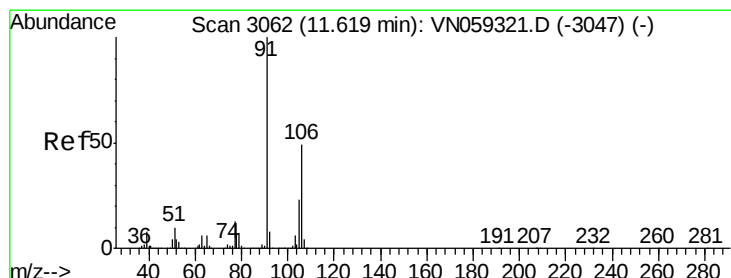
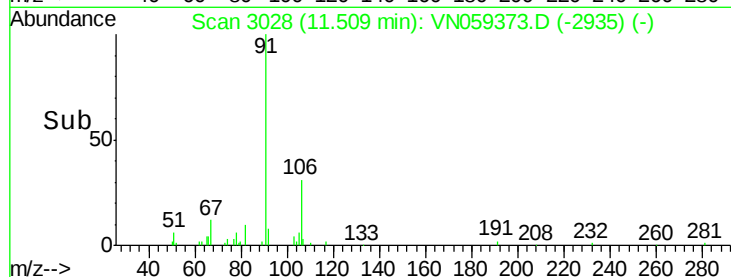
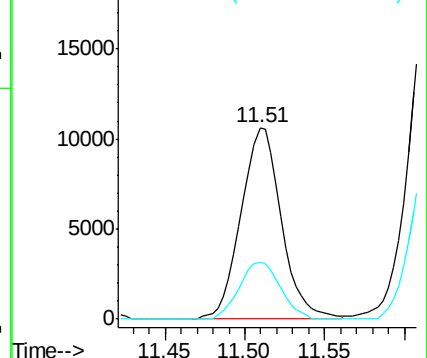
91 100

106 29.5 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 3.051 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN059373.D

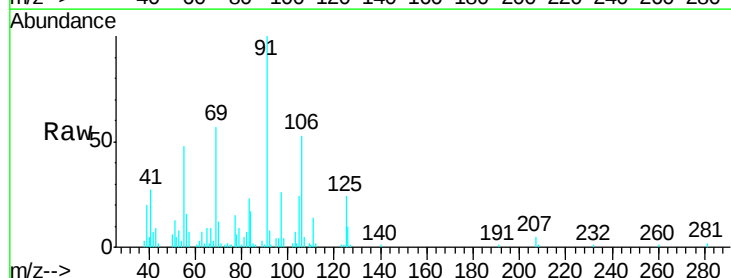
Acq: 22 Nov 2019 18:20

Tgt Ion: 106 Resp: 20926

Ion Ratio Lower Upper

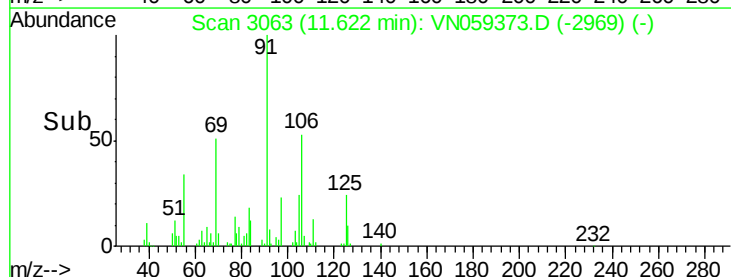
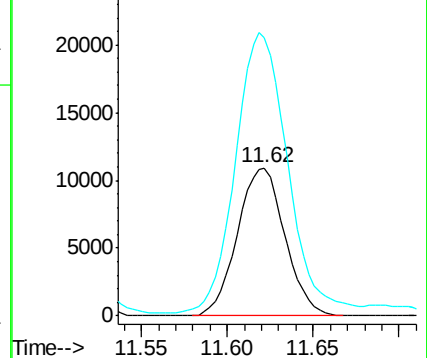
106 100

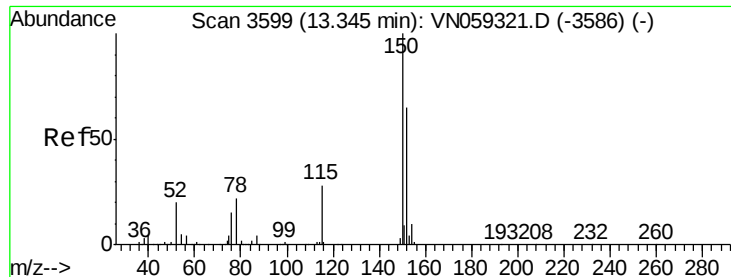
91 208.1 163.2 244.8



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059373.D

Acq: 22 Nov 2019 18:20

Instrument :

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ClientSampleId :

MW-3-(17-20)DL

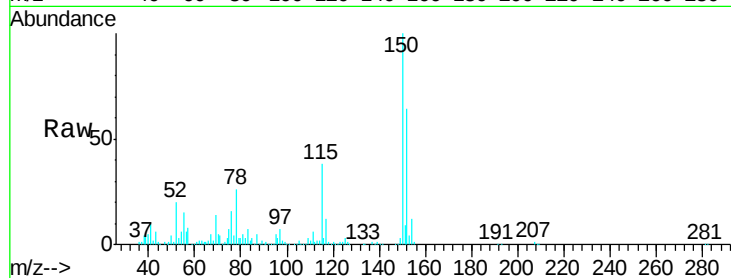
Tgt Ion:152 Resp: 201335

Ion Ratio Lower Upper

152 100

115 65.8 29.3 88.0

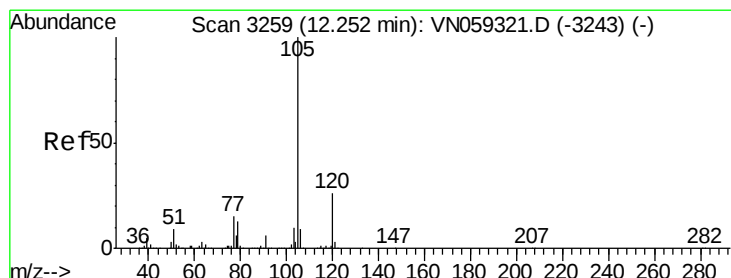
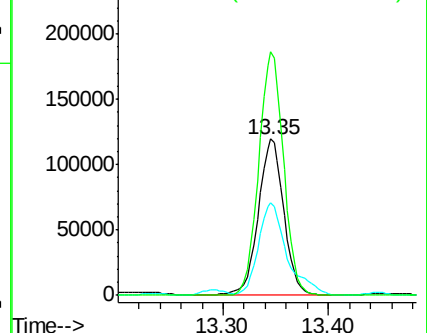
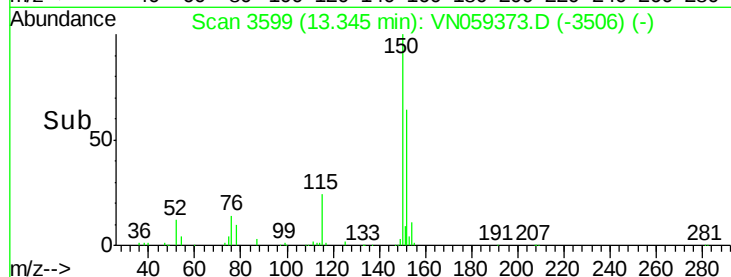
150 152.1 0.0 346.0



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: 4.227 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059373.D

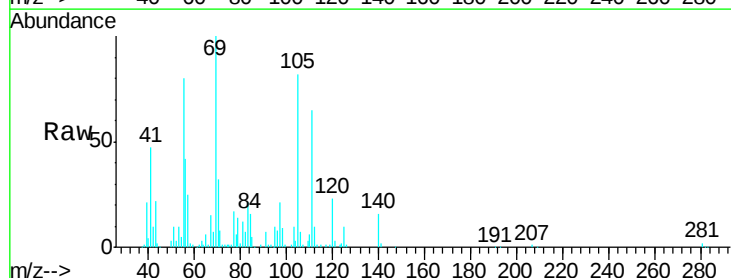
Acq: 22 Nov 2019 18:20

Tgt Ion:105 Resp: 69719

Ion Ratio Lower Upper

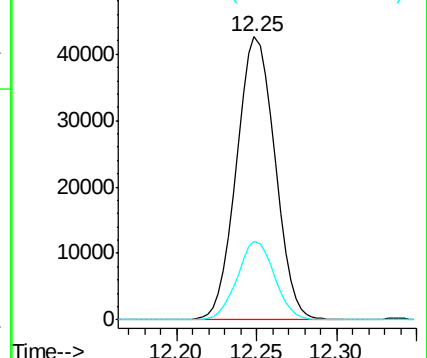
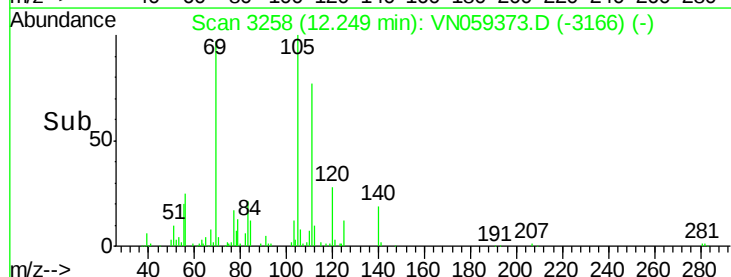
105 100

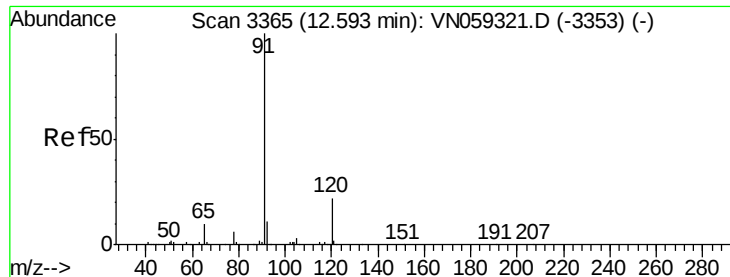
120 26.8 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

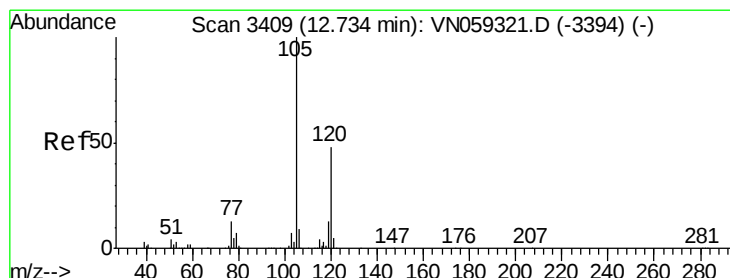
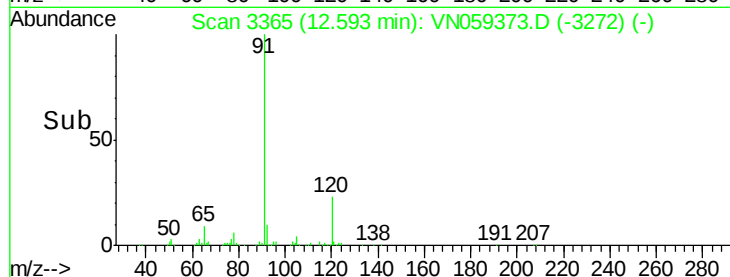
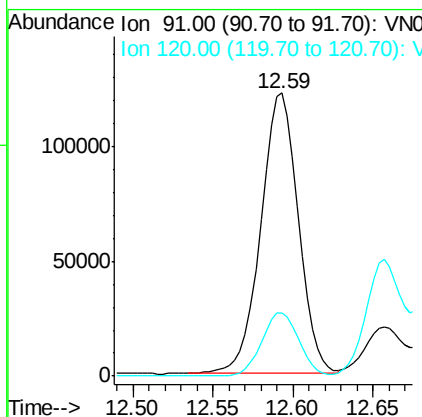
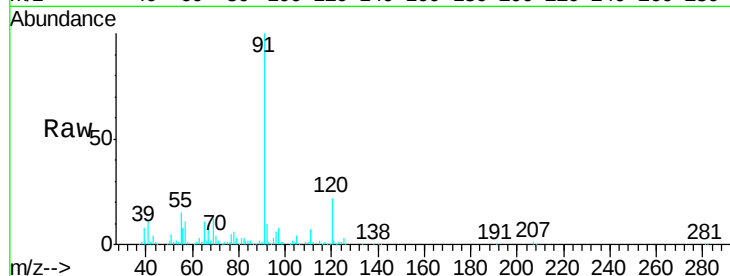




#78
n-propylbenzene
Concen: 10.603 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN059373.D
Acq: 22 Nov 2019 18:20

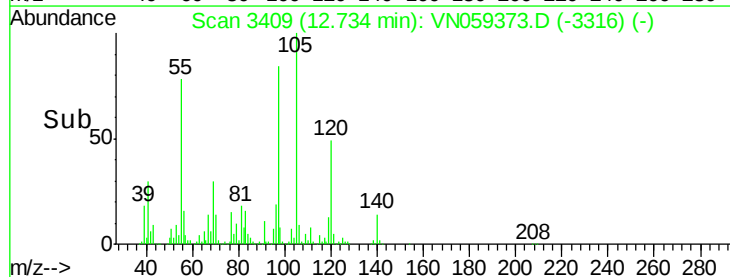
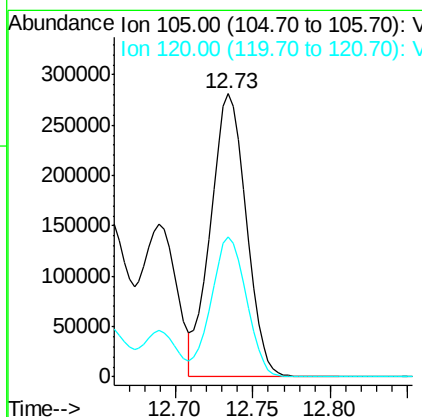
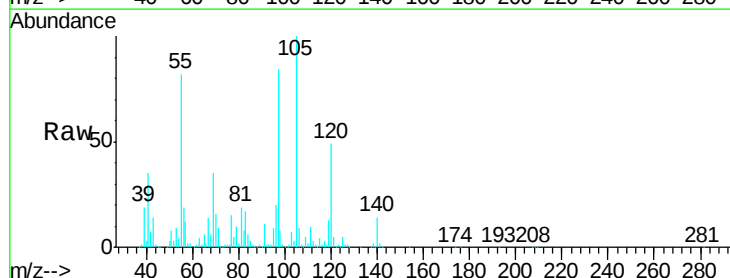
Instrument :
MSVOA_N
ClientSampleId :
MW-3-(17-20)DL

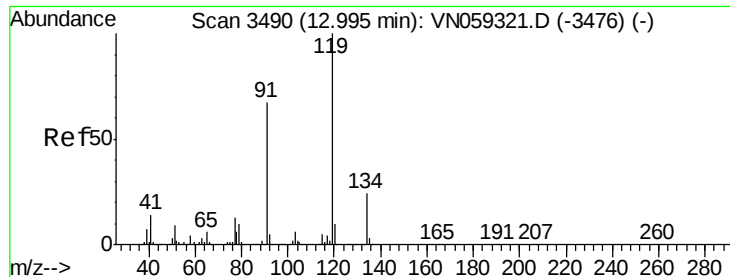
Tgt Ion: 91 Resp: 198081
Ion Ratio Lower Upper
91 100
120 22.5 11.3 33.9



#80
1,3,5-Trimethylbenzene
Concen: 32.437 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. 0.00 min
Lab File: VN059373.D
Acq: 22 Nov 2019 18:20

Tgt Ion: 105 Resp: 449732
Ion Ratio Lower Upper
105 100
120 49.0 24.1 72.4

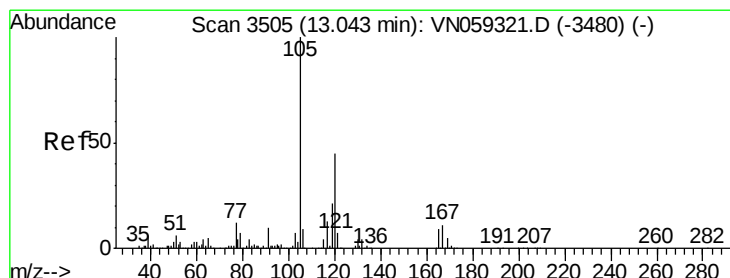
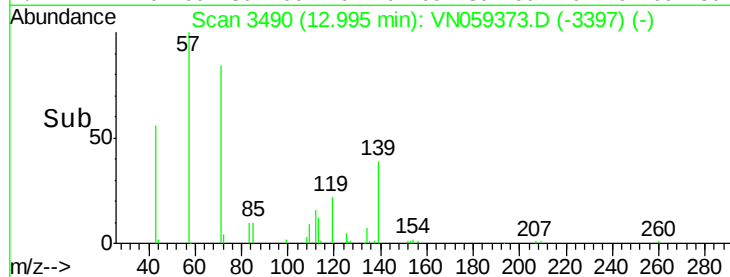
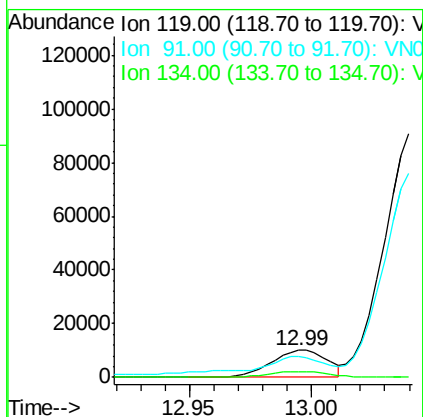
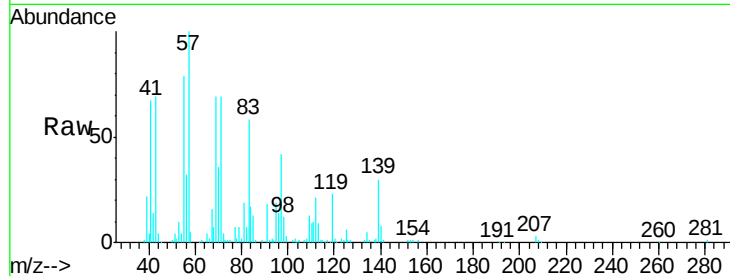




#83
 tert-Butylbenzene
 Concen: 1.383 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN059373.D
 Acq: 22 Nov 2019 18:20

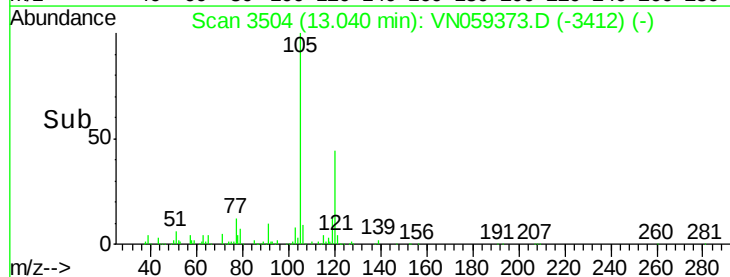
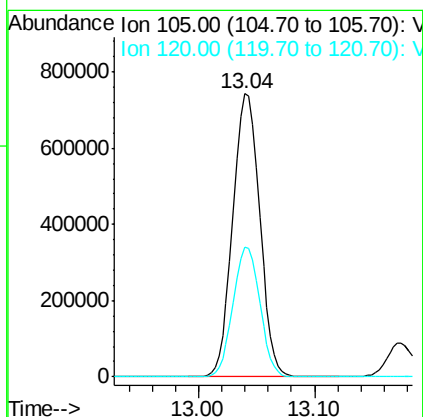
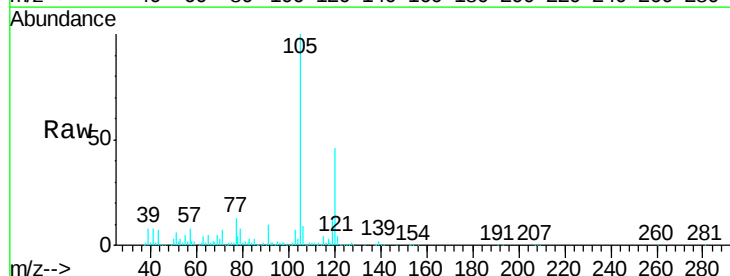
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3-(17-20)DL

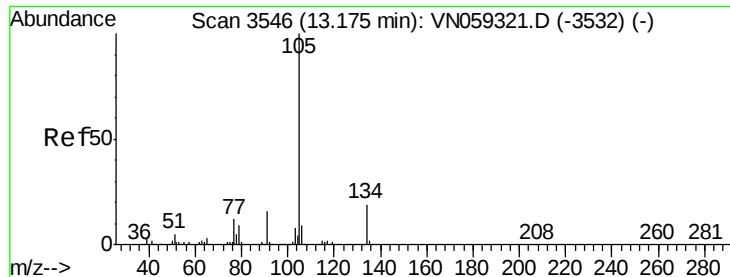
Tgt Ion:119 Resp: 16193
 Ion Ratio Lower Upper
 119 100
 91 45.3 32.8 98.4
 134 23.2 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 88.098 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059373.D
 Acq: 22 Nov 2019 18:20

Tgt Ion:105 Resp: 1196503
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.6 67.8





#85

sec-Butylbenzene

Concen: 8.938 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059373.D

Acq: 22 Nov 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

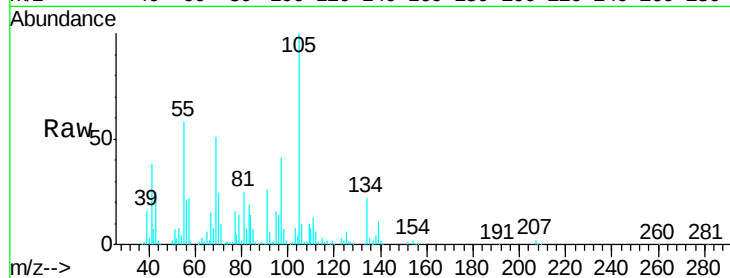
MW-3-(17-20)DL

Tgt Ion:105 Resp: 140662

Ion Ratio Lower Upper

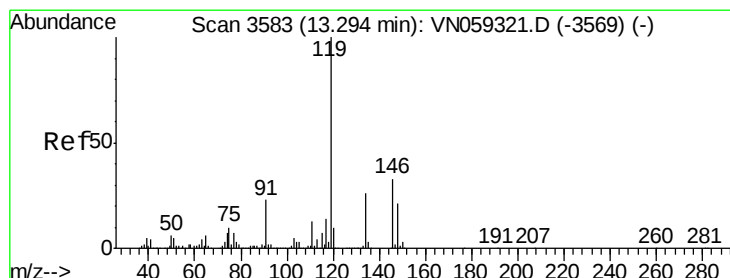
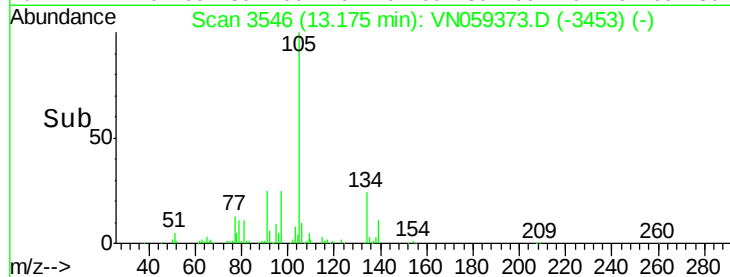
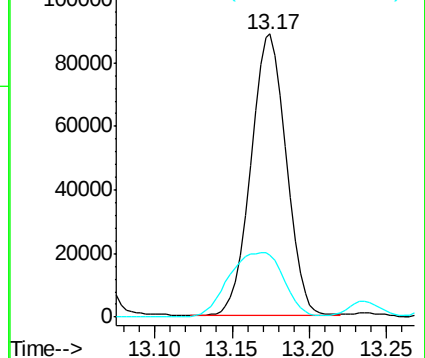
105 100

134 35.7 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: 6.435 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059373.D

Acq: 22 Nov 2019 18:20

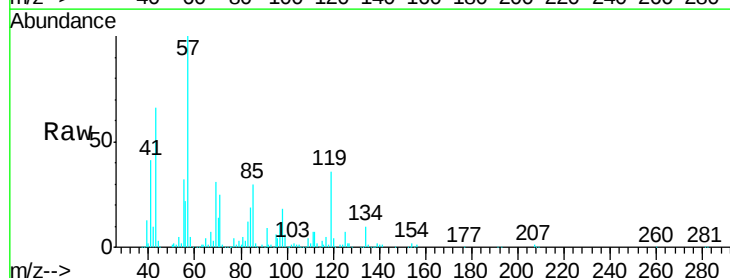
Tgt Ion:119 Resp: 90127

Ion Ratio Lower Upper

119 100

134 26.4 13.0 38.9

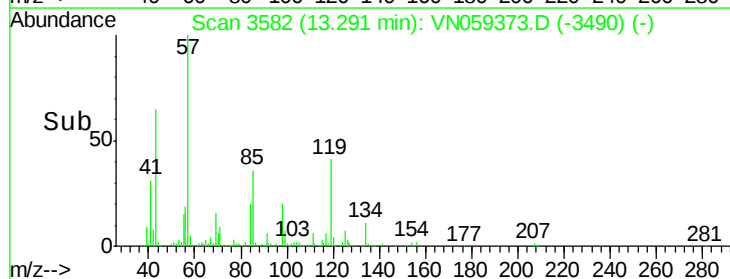
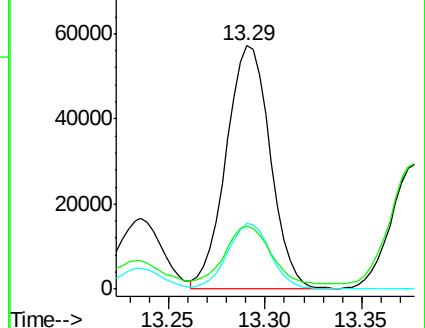
91 24.0 11.6 34.7

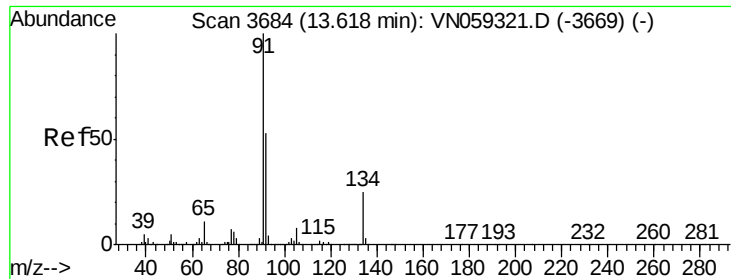


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 9.698 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN059373.D

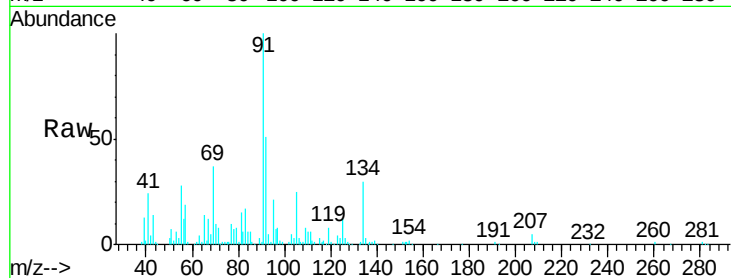
Acq: 22 Nov 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

MW-3-(17-20)DL



Tgt Ion:	91	Resp:	119141
Ion	Ratio	Lower	Upper
91	100		
92	40.9	26.0	78.0
134	0.0	12.7	38.1#

