

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058223.D
 Acq On : 19 Sep 2019 22:34
 Operator : JC/SP
 Sample : K4940-05DL 40X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30357DL

Quant Time: Sep 20 08:48:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	562414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	895263	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	785249	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	356153	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	369123	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	
35) Dibromofluoromethane	7.57	113	258842	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	
50) Toluene-d8	10.08	98	1077356	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.40	95	365229	46.37	ug/l	0.00
Spiked Amount			Recovery	=	92.74%	

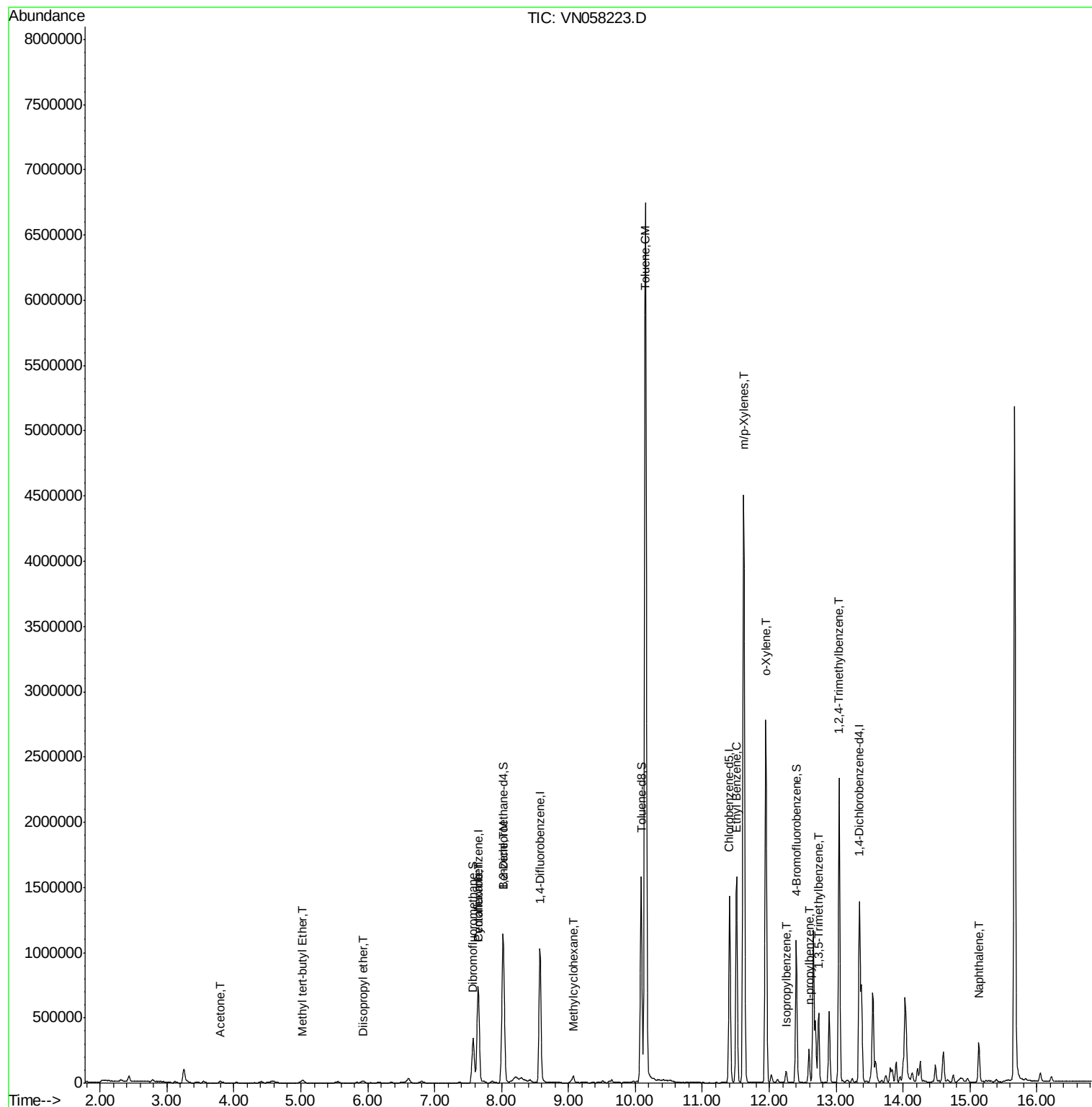
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	22319	8.394	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	18950	1.105	ug/l #	14
22) Diisopropyl ether	5.93	45	19541	1.034	ug/l #	87
31) Cyclohexane	7.64	56	33793	2.909	ug/l #	61
39) Methylcyclohexane	9.07	83	21347	3.486	ug/l	97
40) Benzene	8.03	78	887624	45.013	ug/l	100
52) Toluene	10.15	92	3375182	273.109	ug/l #	73
67) Ethyl Benzene	11.51	91	1151496	48.655	ug/l	100
68) m/p-Xylenes	11.62	106	1438310	161.361	ug/l	97
69) o-Xylene	11.95	106	744989	85.000	ug/l	98
73) Isopropylbenzene	12.25	105	56201	2.521	ug/l	97
78) n-propylbenzene	12.59	91	200718	7.923	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	287314	15.241	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1312977	69.988	ug/l	99
95) Naphthalene	15.13	128	234719	13.797	ug/l	100

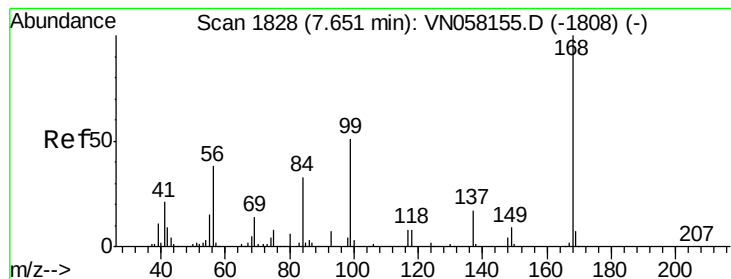
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

Instrument :

MSVOA_N

ClientSampleID :

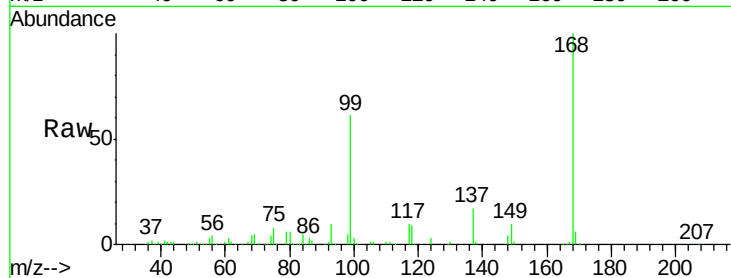
30357DL

Tot Ion:168 Resp: 562414

Ion Ratio Lower Upper

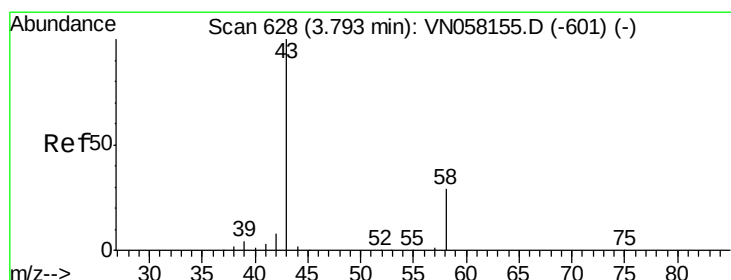
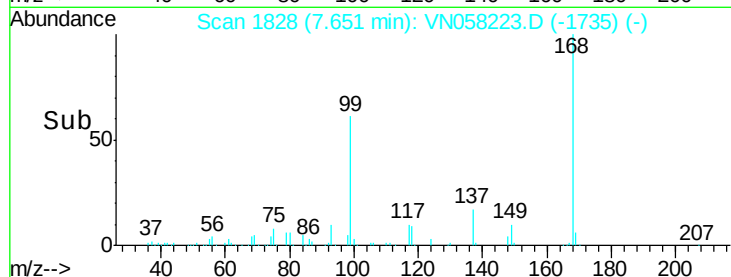
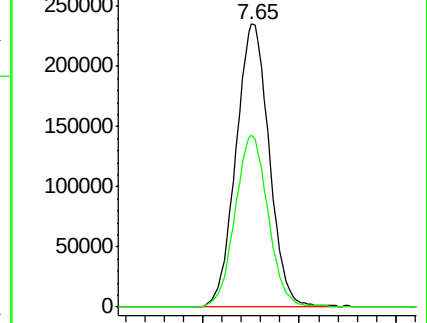
168 100

99 60.9 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 8.394 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058223.D

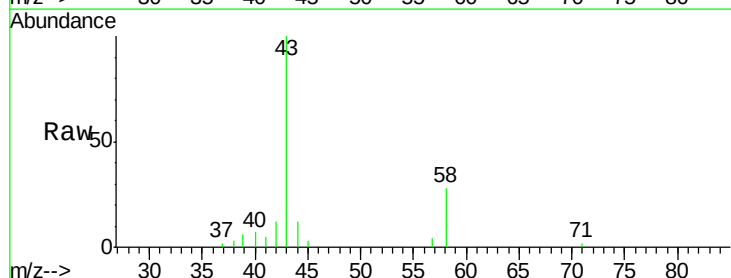
Acq: 19 Sep 2019 22:34

Tgt Ion: 43 Resp: 22319

Ion Ratio Lower Upper

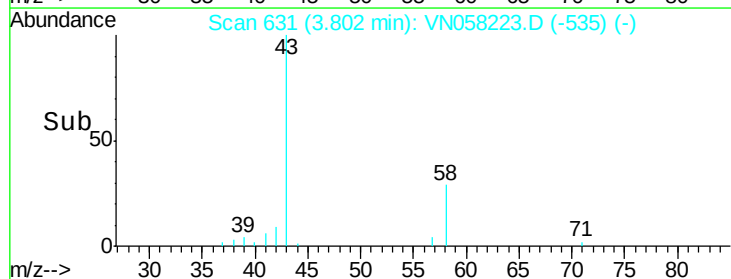
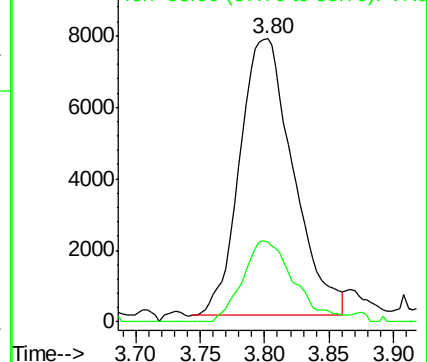
43 100

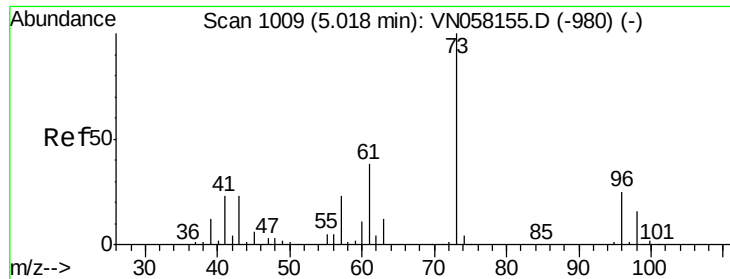
58 28.8 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

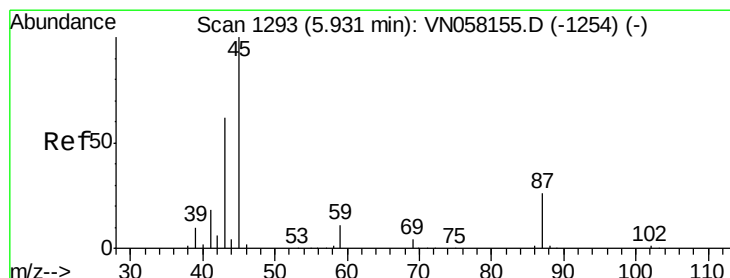
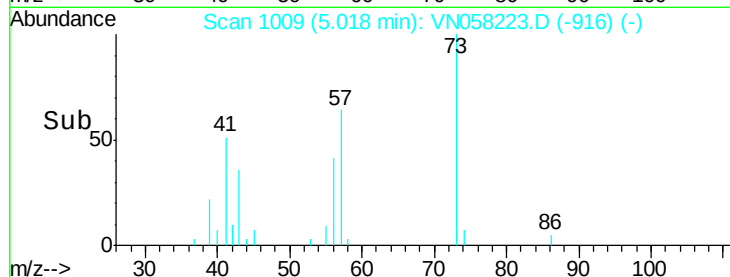
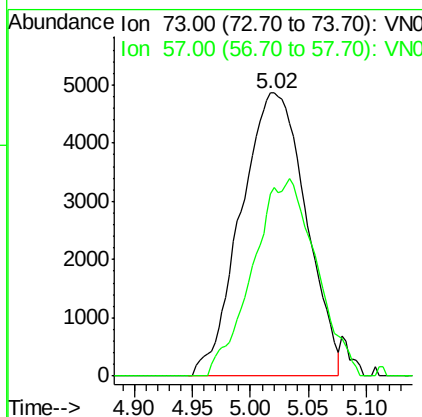
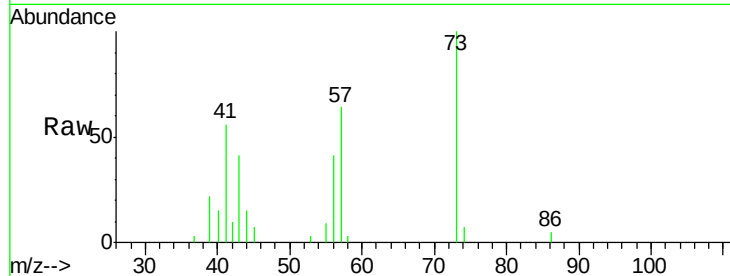




#19
Methyl tert-butyl Ether
Concen: 1.105 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058223.D
Acq: 19 Sep 2019 22:34

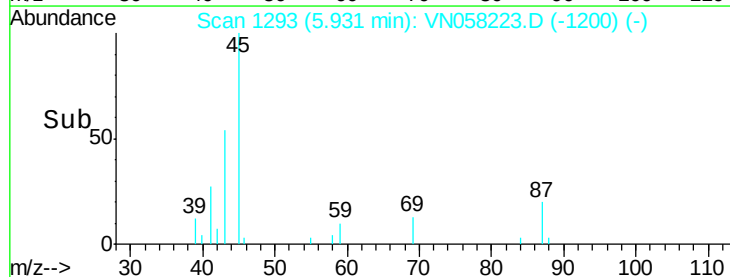
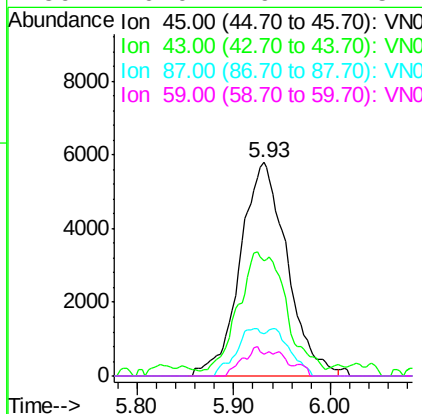
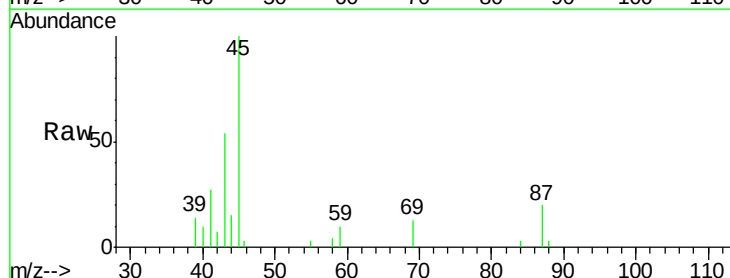
Instrument :
MSVOA_N
ClientSampled :
30357DL

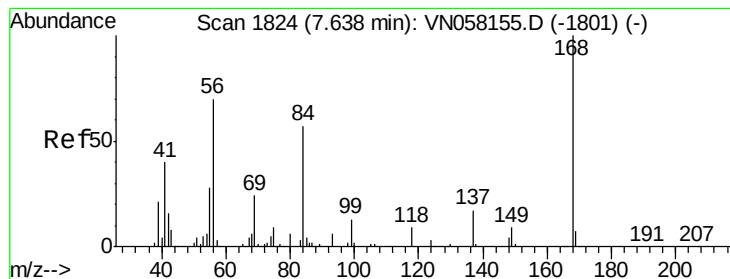
Tot Ion: 73 Resp: 18950
Ion Ratio Lower Upper
73 100
57 64.2 18.1 27.1#



#22
Diisopropyl ether
Concen: 1.034 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN058223.D
Acq: 19 Sep 2019 22:34

Tgt Ion: 45 Resp: 19541
Ion Ratio Lower Upper
45 100
43 50.4 49.7 74.5
87 19.8 20.7 31.1#
59 10.0 9.1 13.7





#31

Cyclohexane

Concen: 2.909 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

Instrument :

MSVOA_N

ClientSampleID :

30357DL

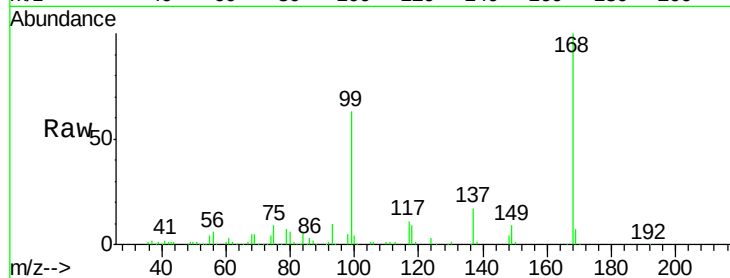
Tot Ion: 56 Resp: 33793

Ion Ratio Lower Upper

56 100

69 83.3 27.3 40.9#

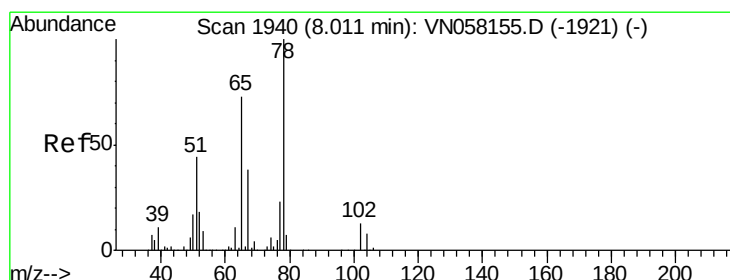
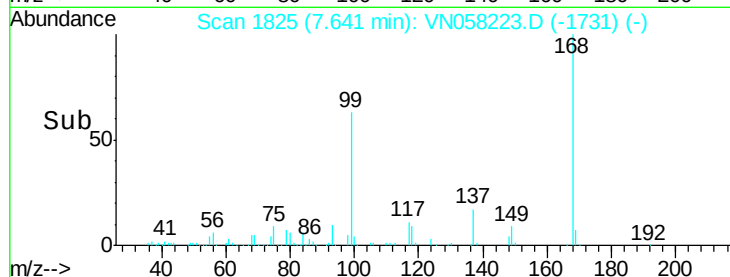
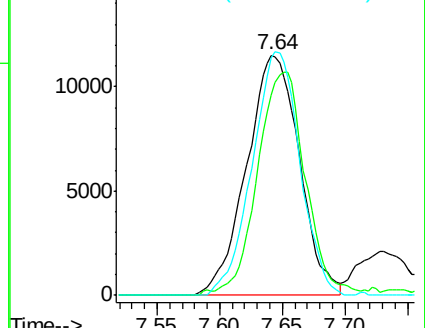
84 98.7 65.0 97.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 47.122 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058223.D

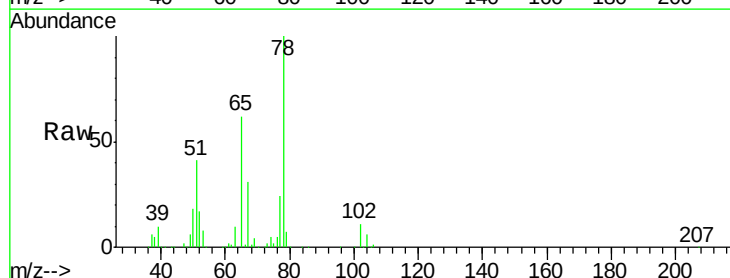
Acq: 19 Sep 2019 22:34

Tgt Ion: 65 Resp: 369123

Ion Ratio Lower Upper

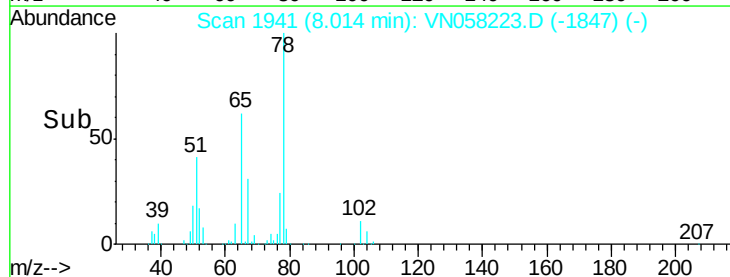
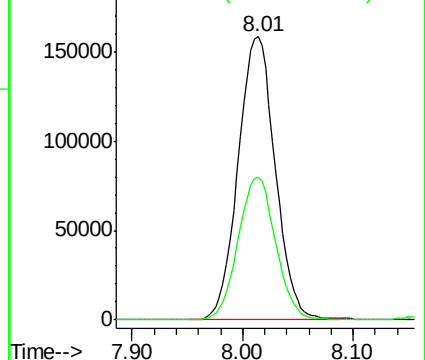
65 100

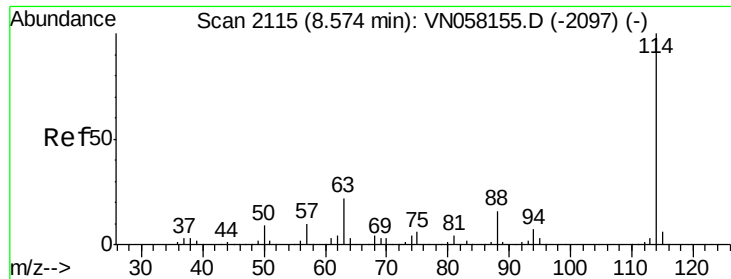
67 51.1 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

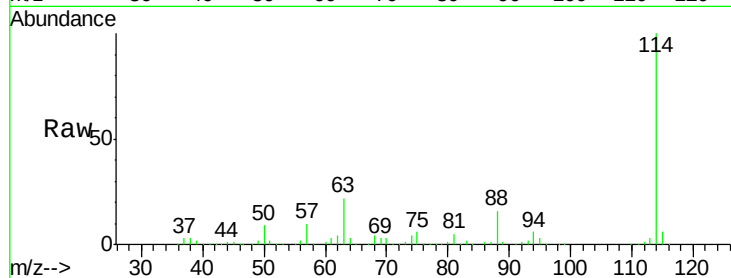




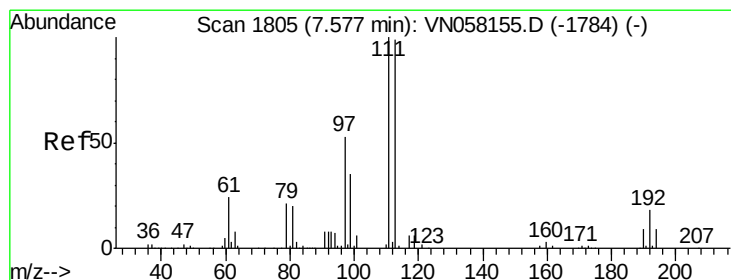
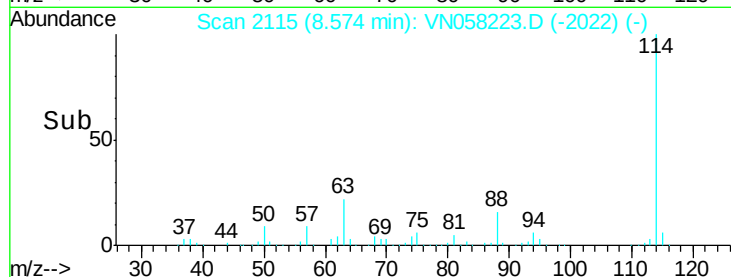
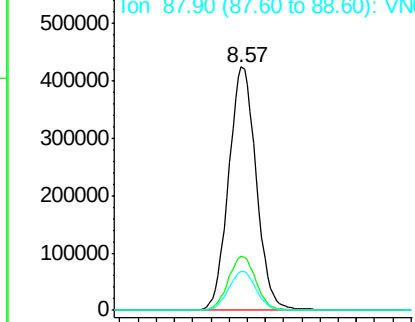
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. -0.00 min
Lab File: VN058223.D
Acq: 19 Sep 2019 22:34

Instrument :
MSVOA_N
ClientSampled :
30357DL

Tot Ion:114 Resp: 895263
Ion Ratio Lower Upper
114 100
63 22.1 0.0 44.2
88 15.8 0.0 31.6

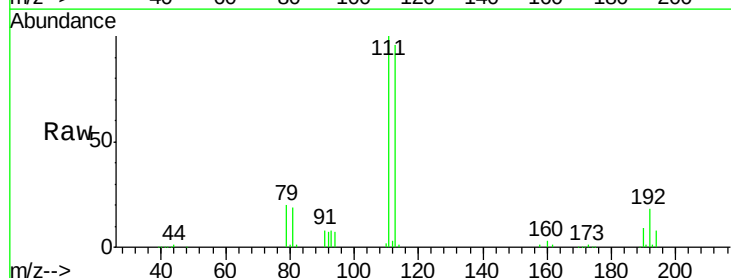


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

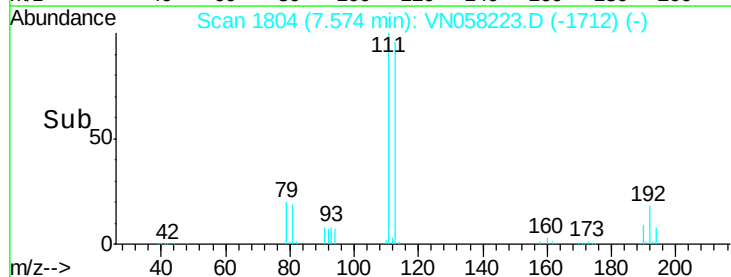
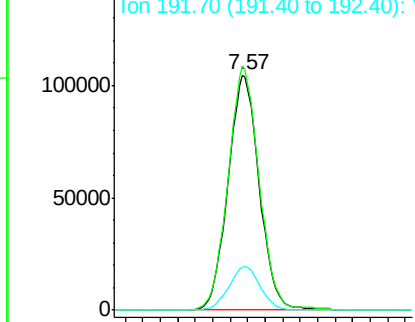


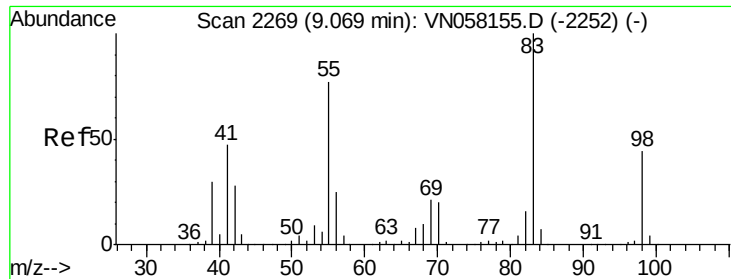
#35
Dibromofluoromethane
Concen: 47.560 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN058223.D
Acq: 19 Sep 2019 22:34

Tgt Ion:113 Resp: 258842
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.6
192 18.7 14.5 21.7



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

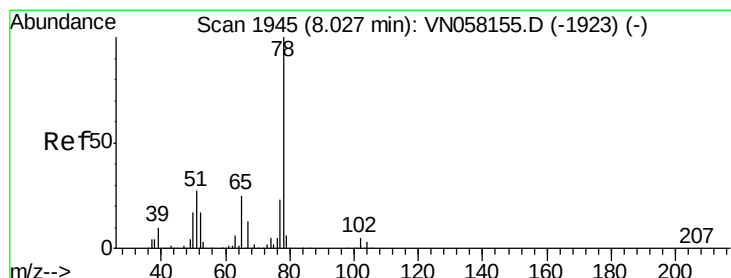
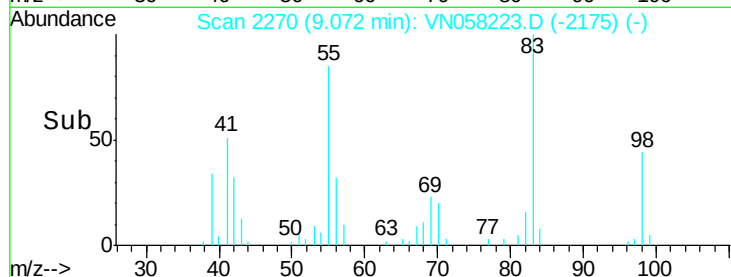
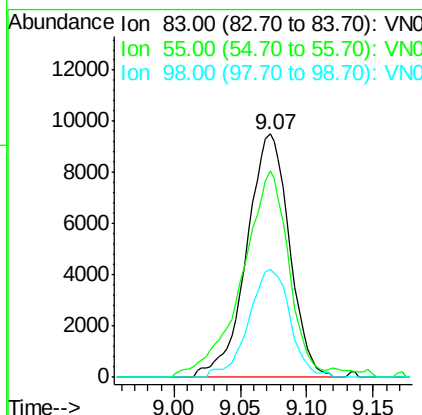
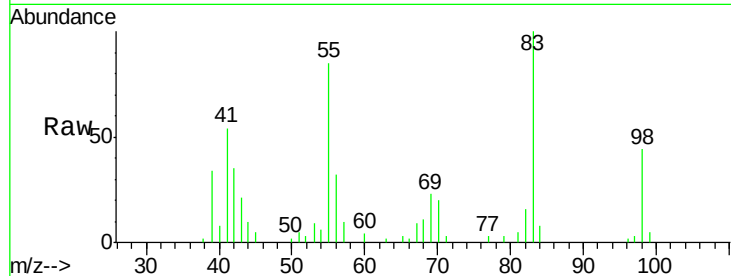




#39
Methylvlcyclohexane
Concen: 3.486 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058223.D
Acq: 19 Sep 2019 22:34

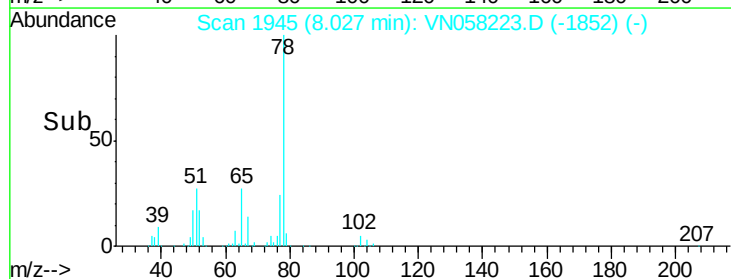
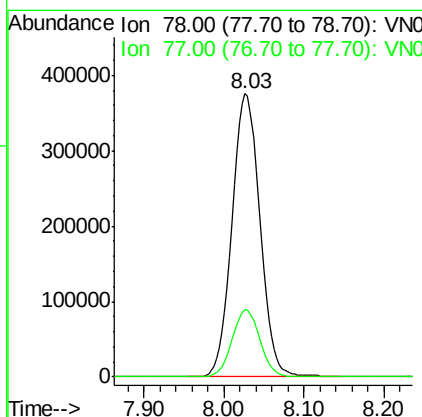
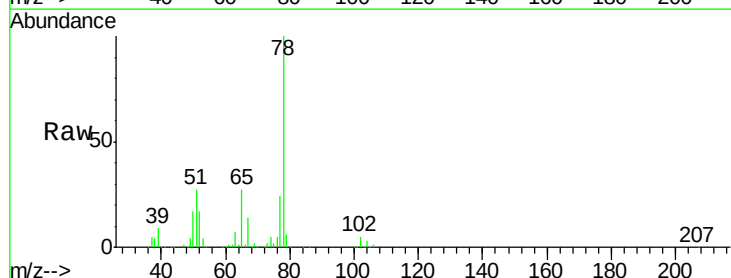
Instrument :
MSVOA_N
ClientSampled :
30357DL

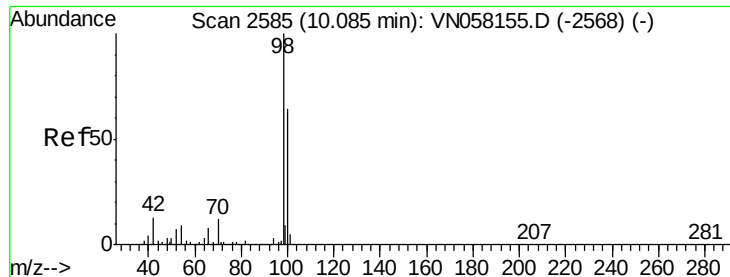
Tot Ion: 83 Resp: 21347
Ion Ratio Lower Upper
83 100
55 81.4 61.9 92.9
98 44.2 35.4 53.2



#40
Benzene
Concen: 45.013 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058223.D
Acq: 19 Sep 2019 22:34

Tgt Ion: 78 Resp: 887624
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2





#50

Toluene-d8

Concen: 50.807 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

Instrument :

MSVOA_N

ClientSampleId :

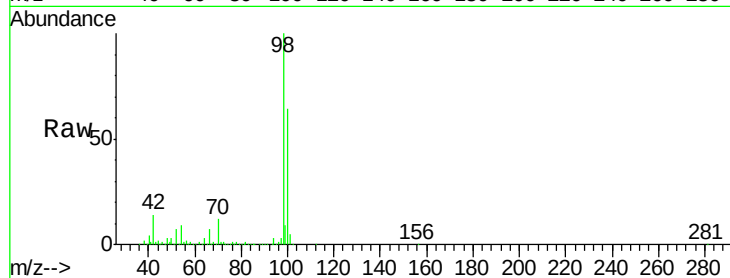
30357DL

Tot Ion: 98 Resp: 1077356

Ion Ratio Lower Upper

98 100

100 63.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

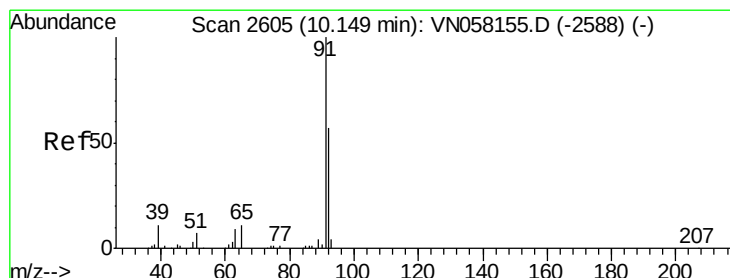
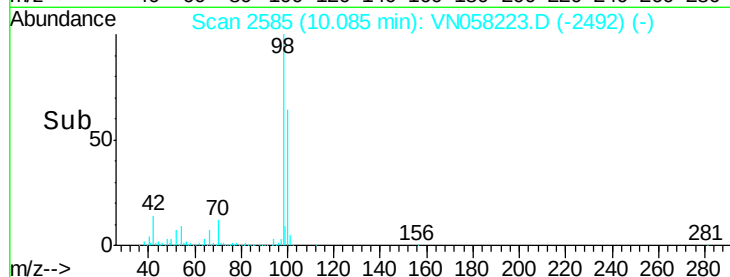
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 273.109 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058223.D

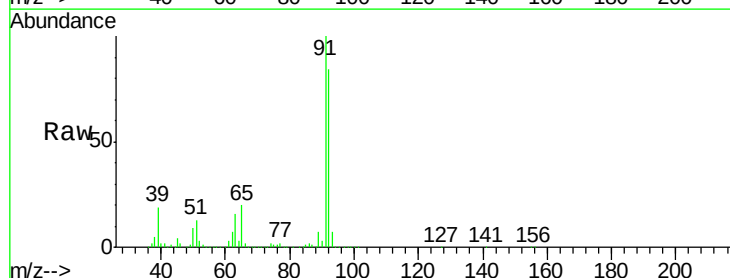
Acq: 19 Sep 2019 22:34

Tgt Ion: 92 Resp: 3375182

Ion Ratio Lower Upper

92 100

91 138.1 140.2 210.2#



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

2000000

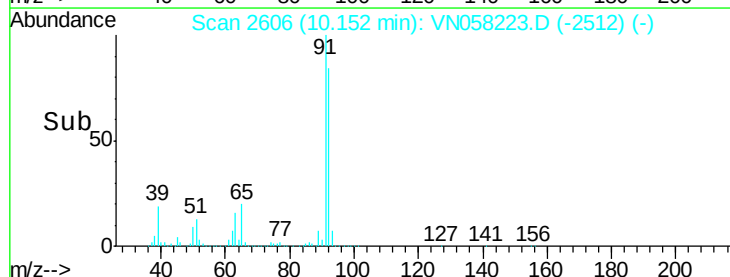
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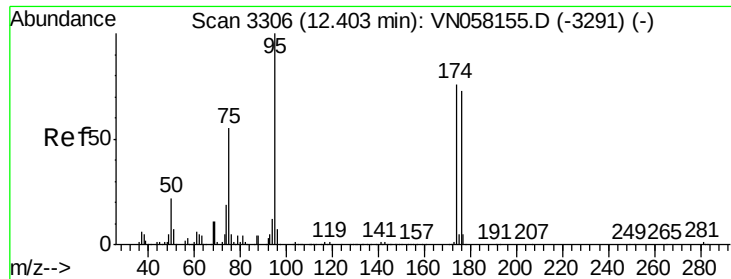
1000000

500000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 46.367 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

Instrument :

MSVOA_N

ClientSampleId :

30357DL

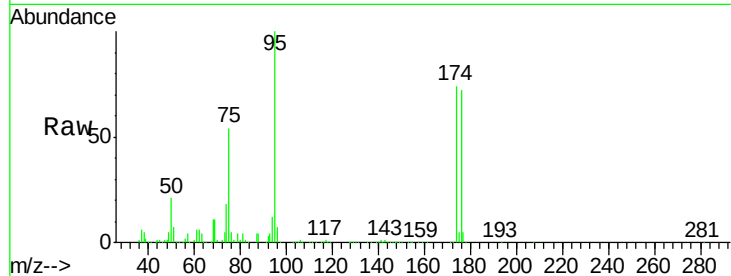
Tot Ion: 95 Resp: 365229

Ion Ratio Lower Upper

95 100

174 75.8 0.0 152.2

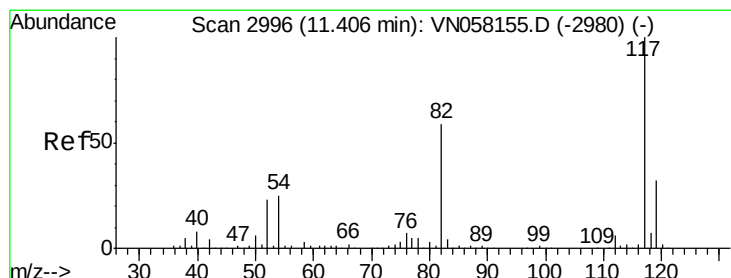
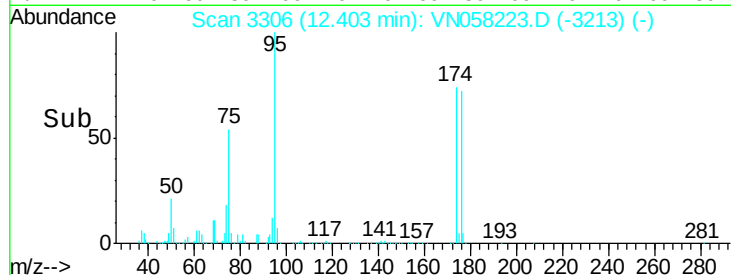
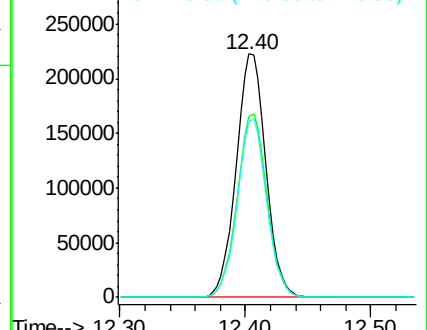
176 72.9 0.0 148.0



Abundance Ion 94.90 (94.60 to 95.60): VN058223.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN058223.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN058223.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

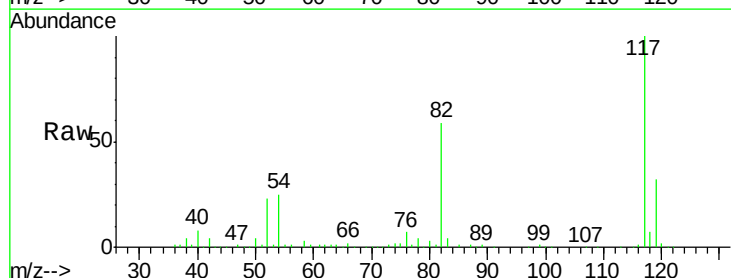
Tgt Ion: 117 Resp: 785249

Ion Ratio Lower Upper

117 100

82 58.5 46.9 70.3

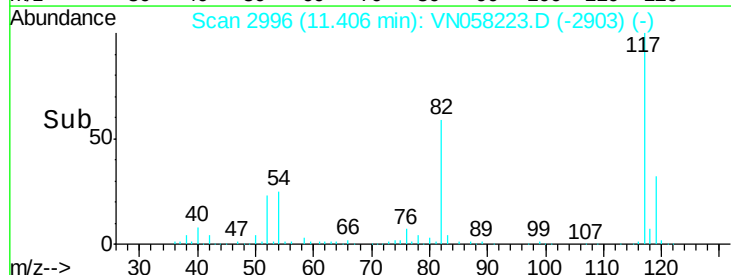
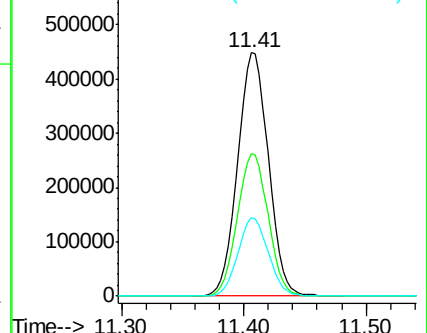
119 32.4 25.3 37.9

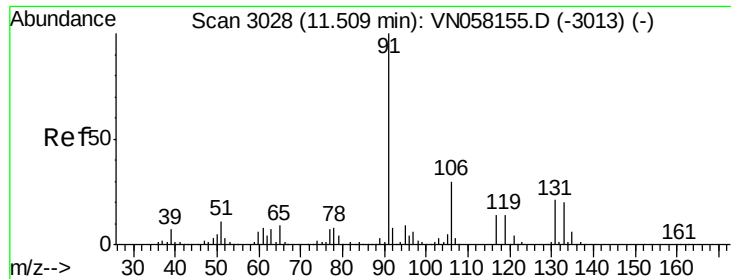


Abundance Ion 116.90 (116.60 to 117.60): VN058223.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN058223.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN058223.D (-2903) (-)

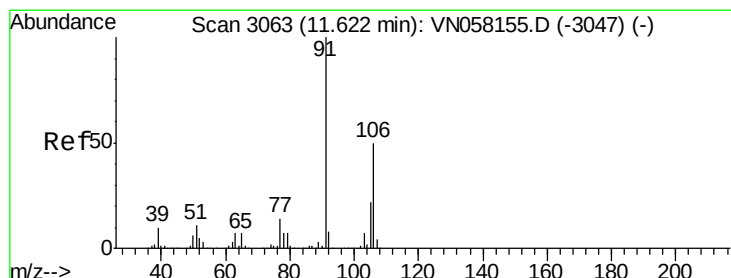
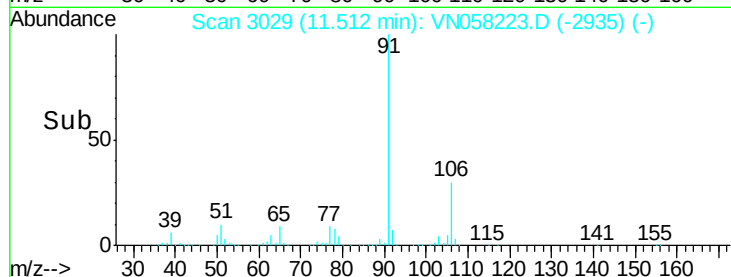
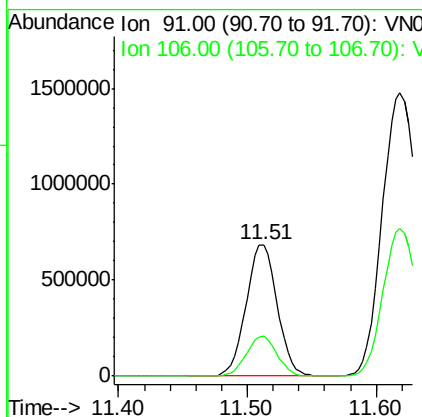
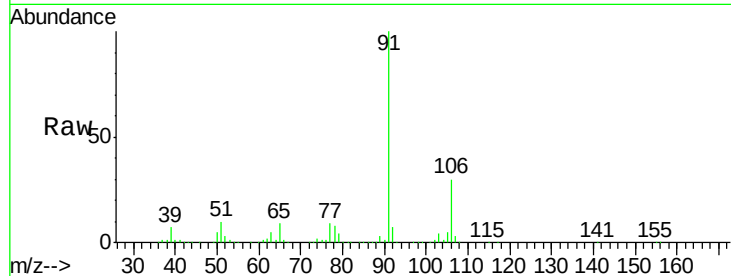




#67
Ethyl Benzene
Concen: 48.655 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058223.D
Acq: 19 Sep 2019 22:34

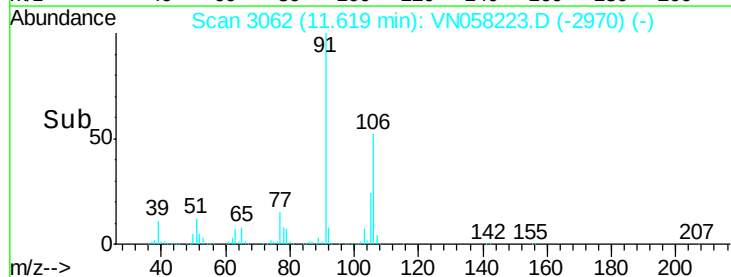
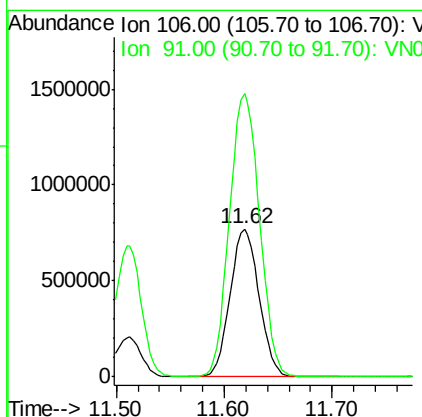
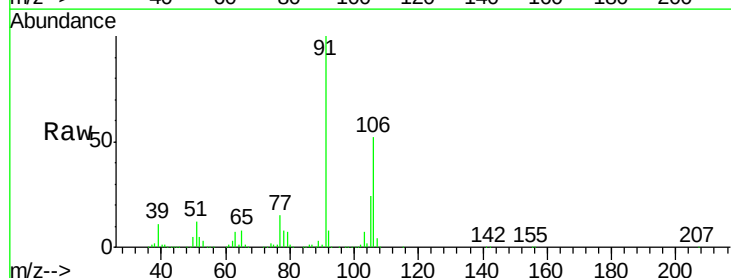
Instrument :
MSVOA_N
ClientSampled :
30357DL

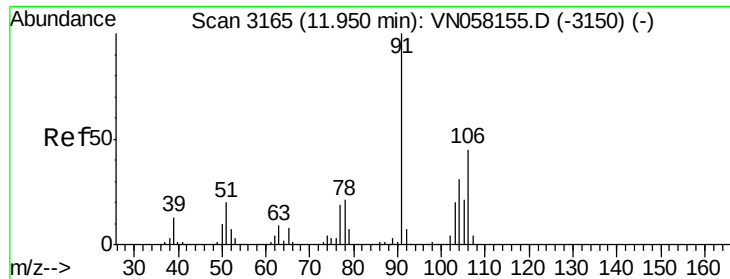
Tot Ion: 91 Resp: 1151496
Ion Ratio Lower Upper
91 100
106 30.1 24.0 36.0



#68
m/p-Xylenes
Concen: 161.361 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN058223.D
Acq: 19 Sep 2019 22:34

Tgt Ion:106 Resp: 1438310
Ion Ratio Lower Upper
106 100
91 199.3 163.6 245.4

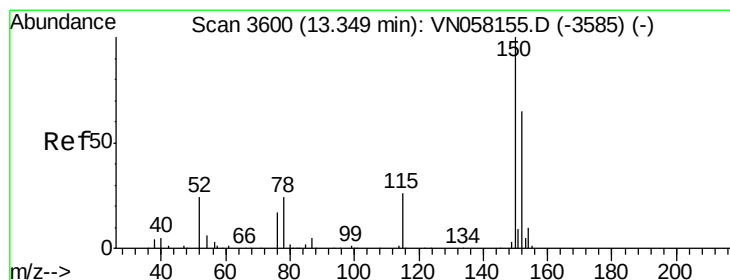
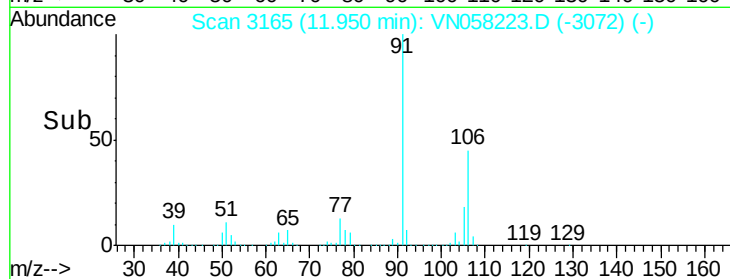
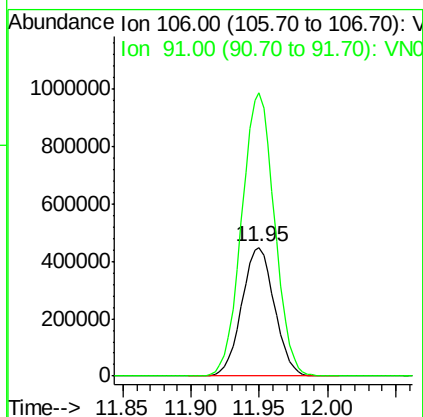
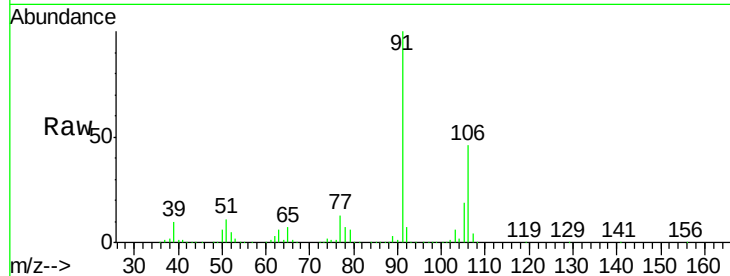




#69
o-Xylene
Concen: 85.000 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058223.D
Acq: 19 Sep 2019 22:34

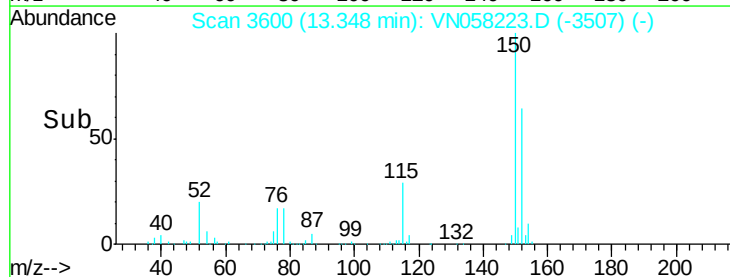
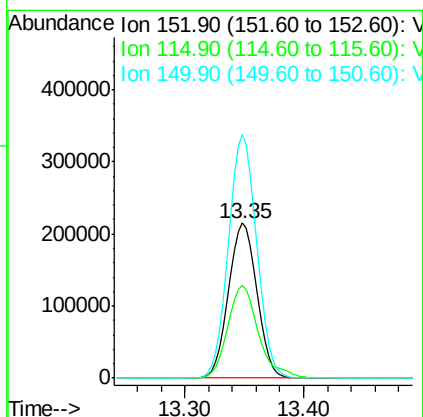
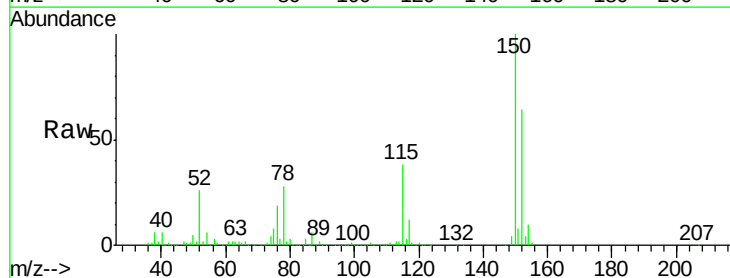
Instrument :
MSVOA_N
ClientSampled :
30357DL

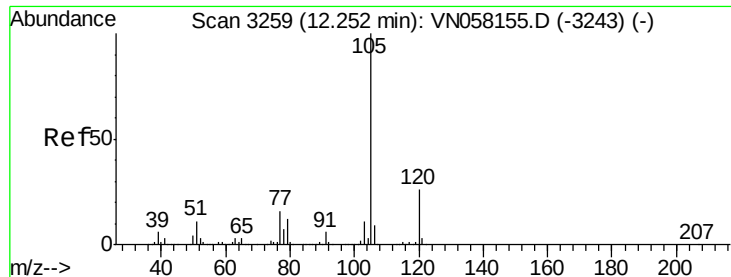
Tot Ion:106 Resp: 744989
Ion Ratio Lower Upper
106 100
91 220.8 111.8 335.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN058223.D
Acq: 19 Sep 2019 22:34

Tgt Ion:152 Resp: 356153
Ion Ratio Lower Upper
152 100
115 64.1 30.1 90.3
150 155.9 0.0 346.4





#73

Isopropylbenzene

Concen: 2.521 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

Instrument :

MSVOA_N

ClientSampleId :

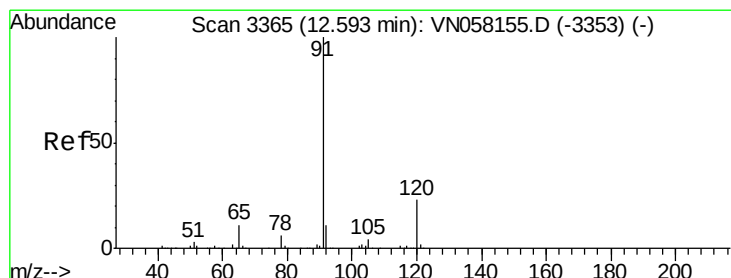
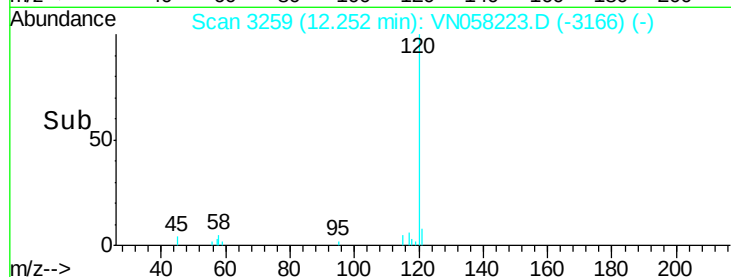
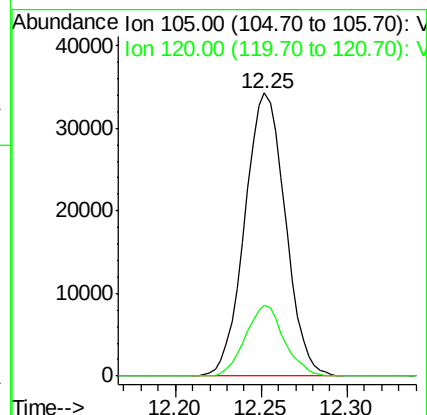
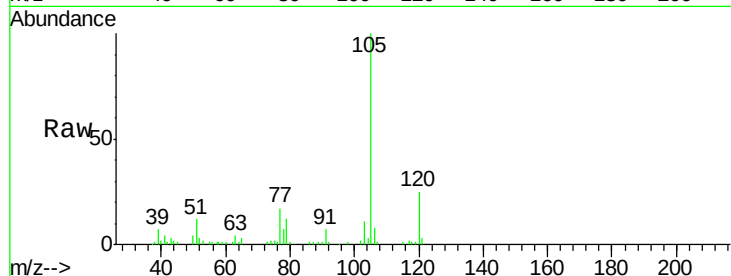
30357DL

Tot Ion:105 Resp: 56201

Ion Ratio Lower Upper

105 100

120 24.0 12.8 38.3



#78

n-propylbenzene

Concen: 7.923 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058223.D

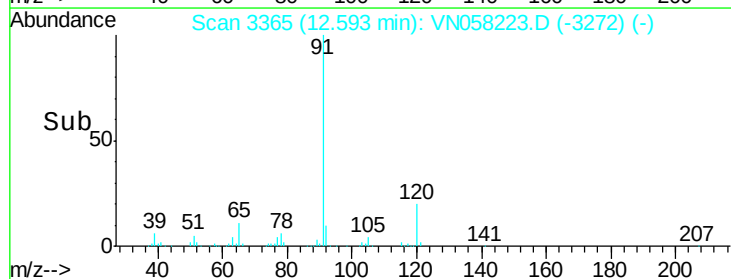
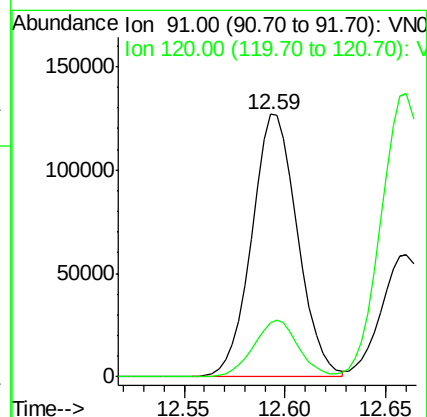
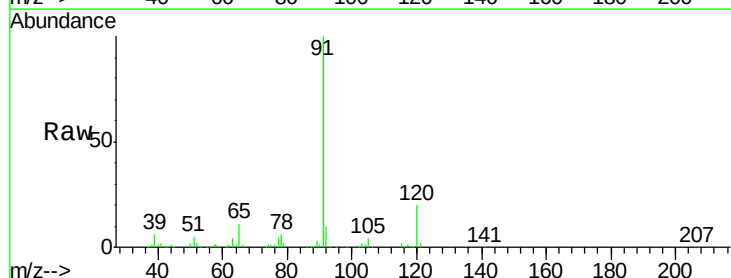
Acq: 19 Sep 2019 22:34

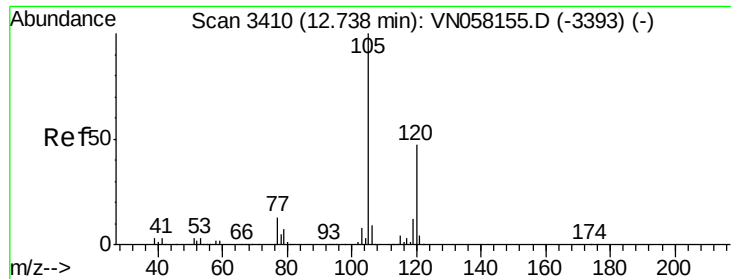
Tgt Ion: 91 Resp: 200718

Ion Ratio Lower Upper

91 100

120 21.2 11.1 33.3

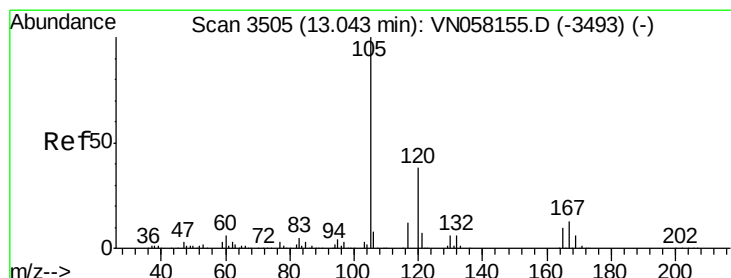
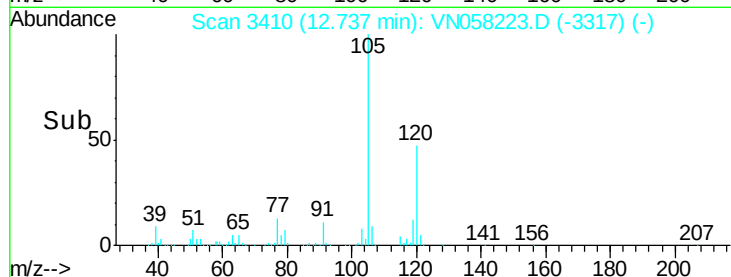
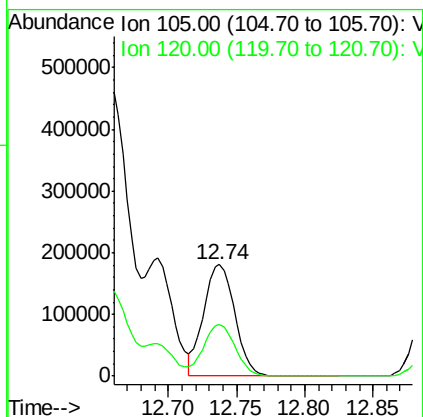
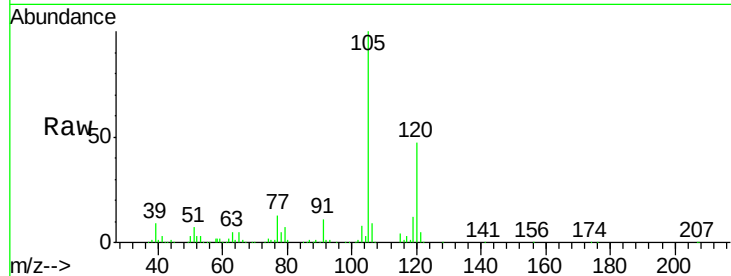




#80
 1,3,5-Trimethylbenzene
 Concen: 15.241 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN058223.D
 Acq: 19 Sep 2019 22:34

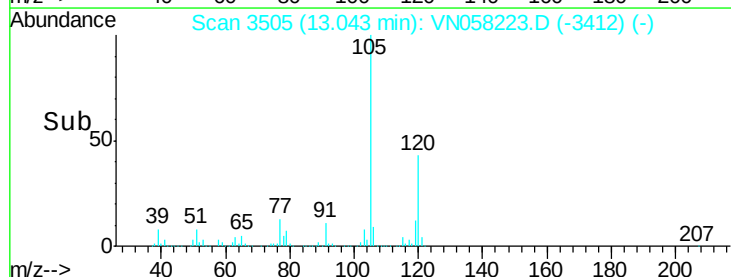
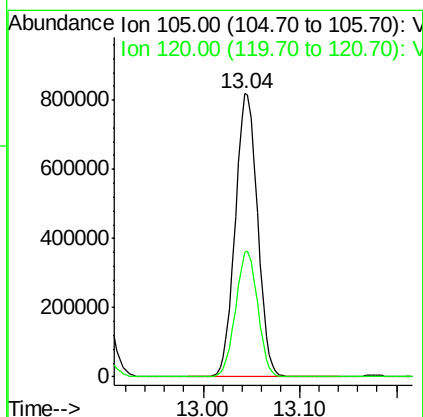
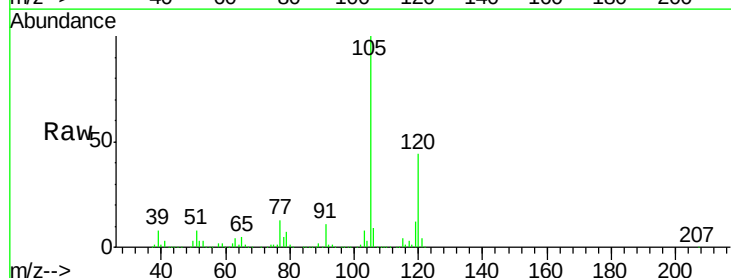
Instrument :
 MSVOA_N
 ClientSampled :
 30357DL

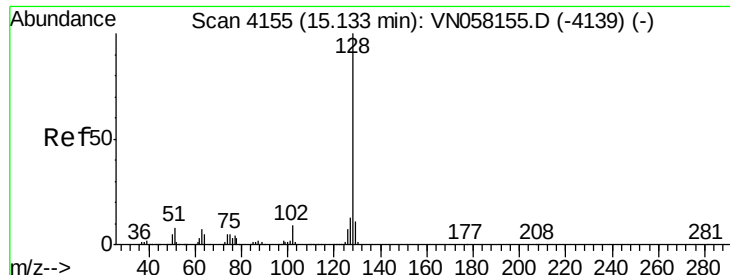
Tot Ion:105 Resp: 287314
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.4 70.0



#84
 1,2,4-Trimethylbenzene
 Concen: 69.988 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN058223.D
 Acq: 19 Sep 2019 22:34

Tgt Ion:105 Resp: 1312977
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.1 66.5





#95

Naphthalene

Concen: 13.797 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058223.D

Acq: 19 Sep 2019 22:34

Instrument :

MSVOA_N

ClientSampleId :

30357DL

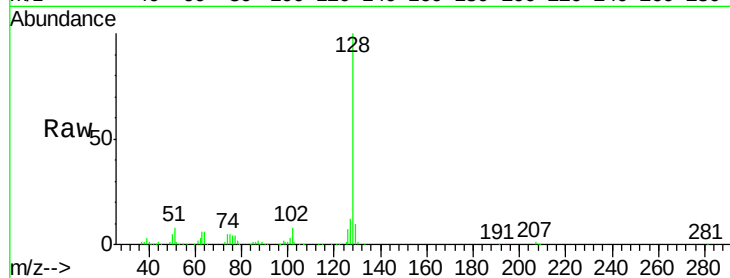
Tot Ion:128 Resp: 234719

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 10.9 8.6 12.8



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

