

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN012820\
 Data File : VN059892.D
 Acq On : 28 Jan 2020 13:09
 Operator : JC/MD
 Sample : L1238-01 5X
 Misc : 3.33g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CLIFTON-POLES

Quant Time: Jan 28 13:31:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	216605	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	327160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	303083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	155261	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	111992	46.56	ug/l	0.00
Spiked Amount			Recovery	=	93.12%	
35) Dibromofluoromethane	7.56	113	96676	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
50) Toluene-d8	10.08	98	389129	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
62) 4-Bromofluorobenzene	12.40	95	141927	52.08	ug/l	0.00
Spiked Amount			Recovery	=	104.16%	

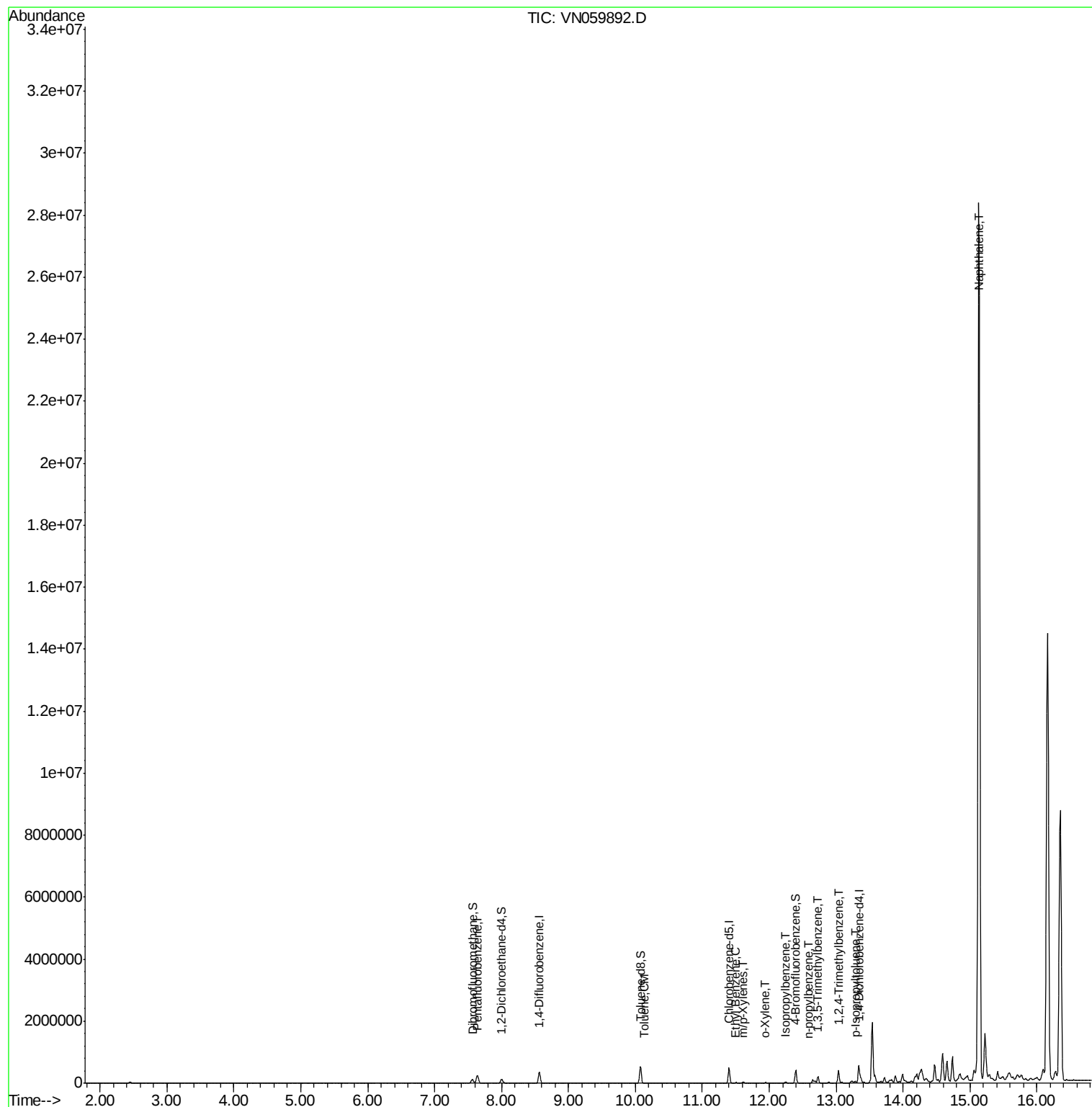
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
52) Toluene	10.14	92	4592	0.856	ug/l	97
67) Ethyl Benzene	11.51	91	12990	1.201	ug/l	96
68) m/p-Xylenes	11.61	106	11187	2.739	ug/l	90
69) o-Xylene	11.94	106	5597	1.400	ug/l	97
73) Isopropylbenzene	12.24	105	11418	1.003	ug/l	98
78) n-propylbenzene	12.59	91	6162	0.482	ug/l #	54
80) 1,3,5-Trimethylbenzene	12.73	105	107207	11.195	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	242719	25.620	ug/l	97
86) p-Isopropyltoluene	13.28	119	24574	2.441	ug/l	98
95) Naphthalene	15.13	128	10845389	1281.449	ug/l #	28

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

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Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN059892.D

Acq: 28 Jan 2020 13:09

Instrument :

MSVOA_N

ClientSampleId :

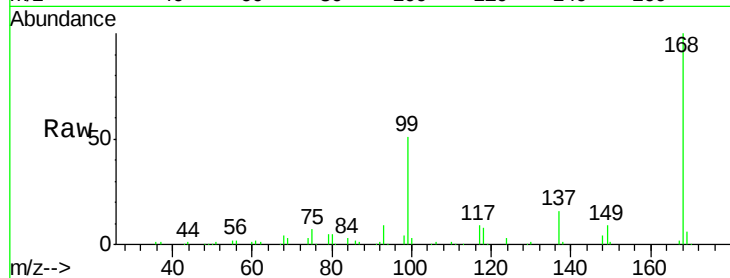
CLIFTON-POLES

Tot Ion:168 Resp: 216605

Ion Ratio Lower Upper

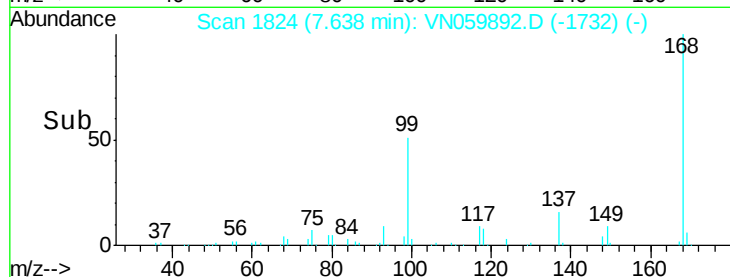
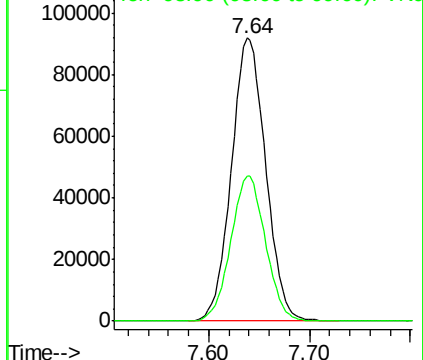
168 100

99 51.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#33

1,2-Dichloroethane-d4

Concen: 46.558 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN059892.D

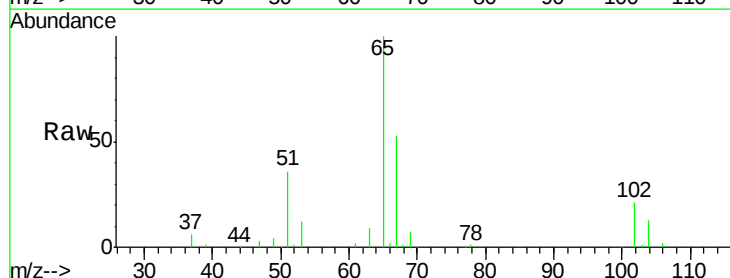
Acq: 28 Jan 2020 13:09

Tgt Ion: 65 Resp: 111992

Ion Ratio Lower Upper

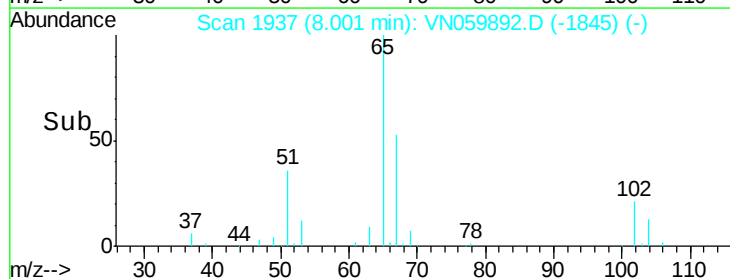
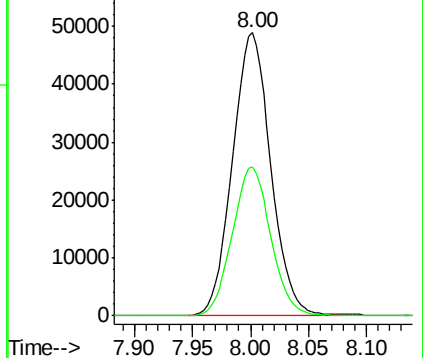
65 100

67 52.8 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

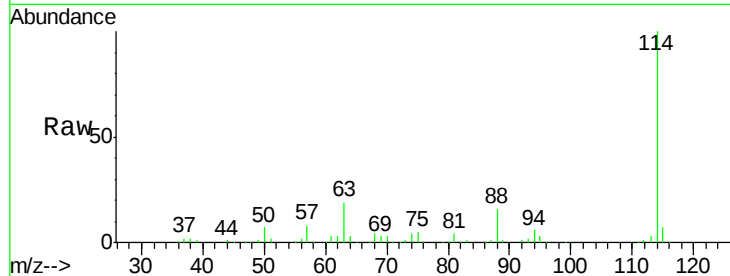




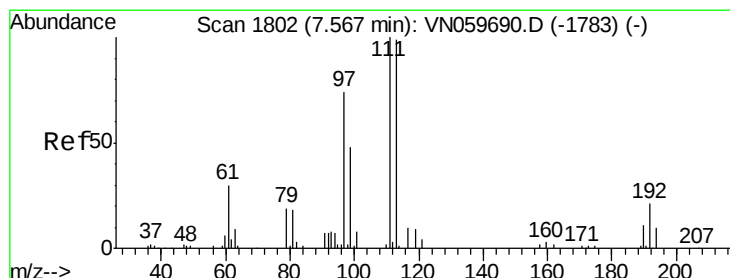
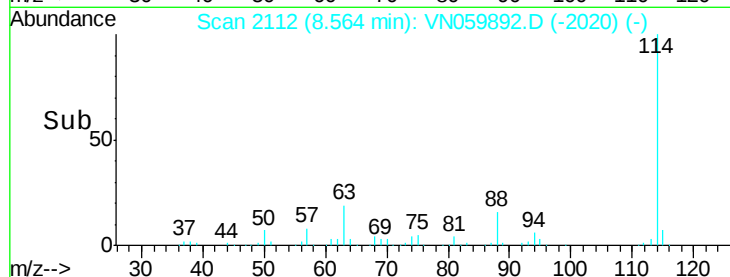
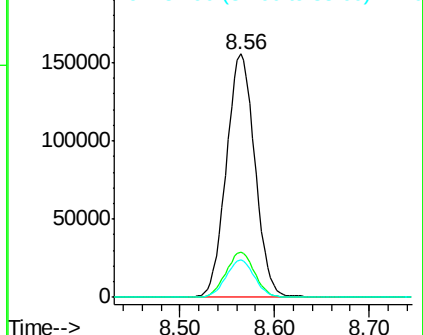
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059892.D
 Acq: 28 Jan 2020 13:09

Instrument :
 MSVOA_N
 ClientSampleId :
 CLIFTON-POLES

Tot Ion:114 Resp: 327160
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 43.6
 88 15.6 0.0 31.4

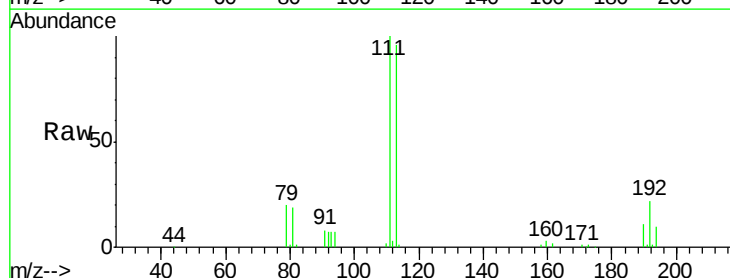


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

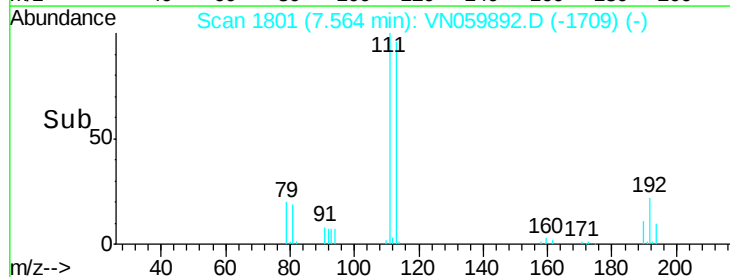
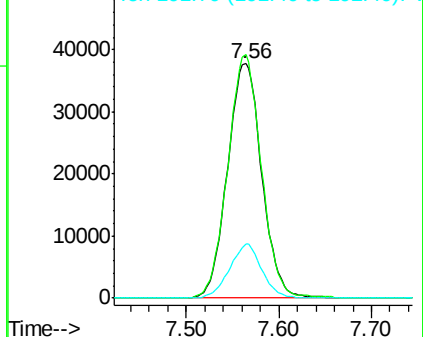


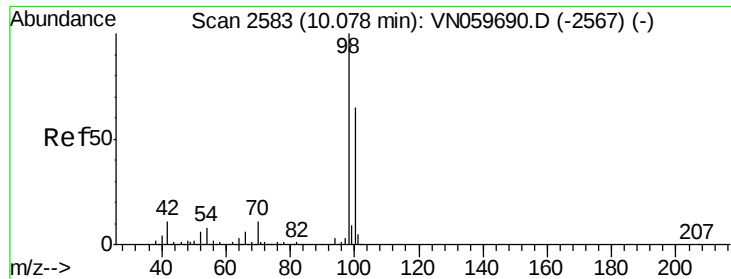
#35
 Dibromofluoromethane
 Concen: 49.552 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059892.D
 Acq: 28 Jan 2020 13:09

Tgt Ion:113 Resp: 96676
 Ion Ratio Lower Upper
 113 100
 111 101.7 83.5 125.3
 192 21.5 15.4 23.2



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





#50

Toluene-d8

Concen: 51.478 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN059892.D

Acq: 28 Jan 2020 13:09

Instrument :

MSVOA_N

ClientSampleId :

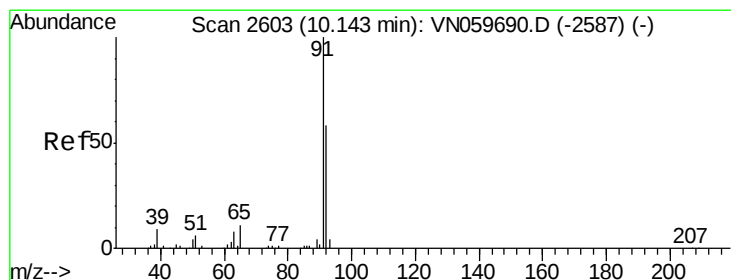
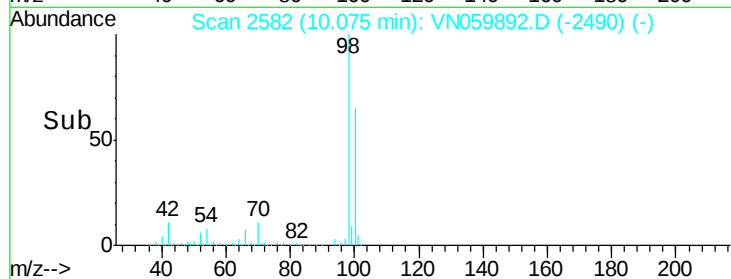
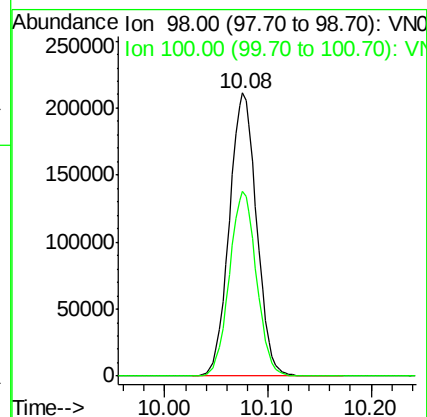
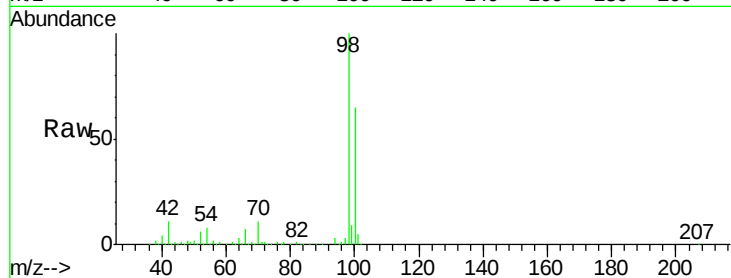
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Tot Ion: 98 Resp: 389129

Ion Ratio Lower Upper

98 100

100 64.7 51.2 76.8



#52

Toluene

Concen: 0.856 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059892.D

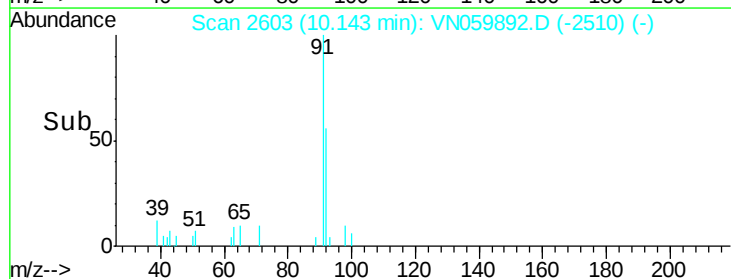
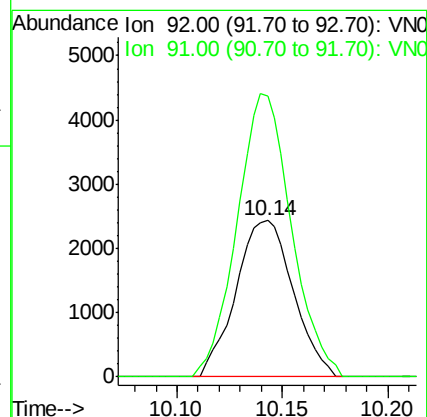
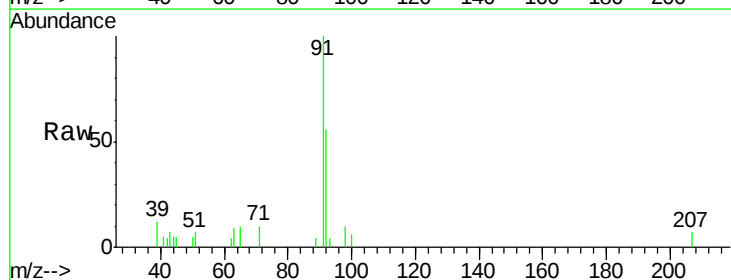
Acq: 28 Jan 2020 13:09

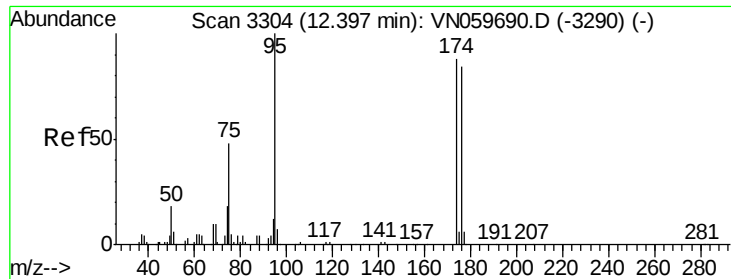
Tgt Ion: 92 Resp: 4592

Ion Ratio Lower Upper

92 100

91 171.3 140.4 210.6





#62

4-Bromofluorobenzene

Concen: 52.082 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059892.D

Acq: 28 Jan 2020 13:09

Instrument :

MSVOA_N

ClientSampleId :

CLIFTON-POLES

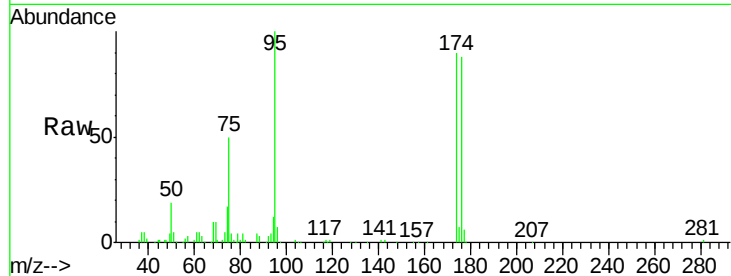
Tot Ion: 95 Resp: 141927

Ion Ratio Lower Upper

95 100

174 90.3 0.0 151.4

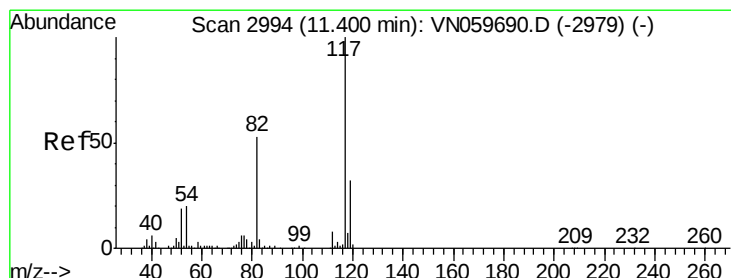
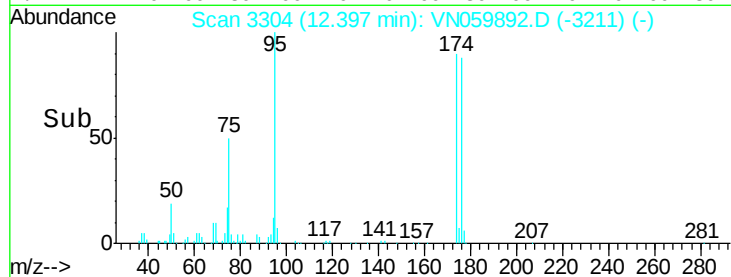
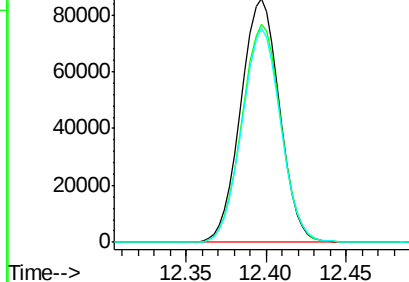
176 87.6 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059892.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN059892.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN059892.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059892.D

Acq: 28 Jan 2020 13:09

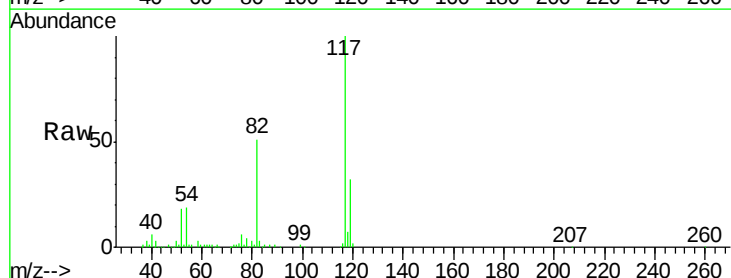
Tgt Ion: 117 Resp: 303083

Ion Ratio Lower Upper

117 100

82 51.1 45.9 68.9

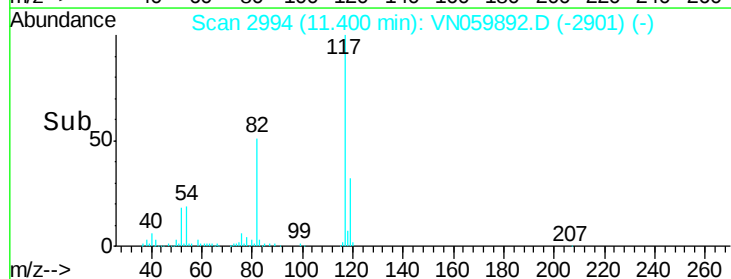
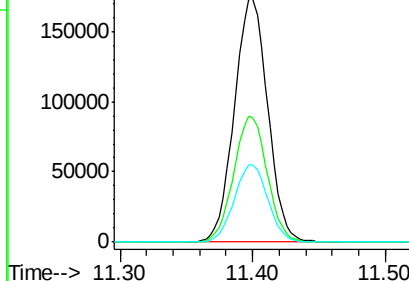
119 31.7 25.5 38.3

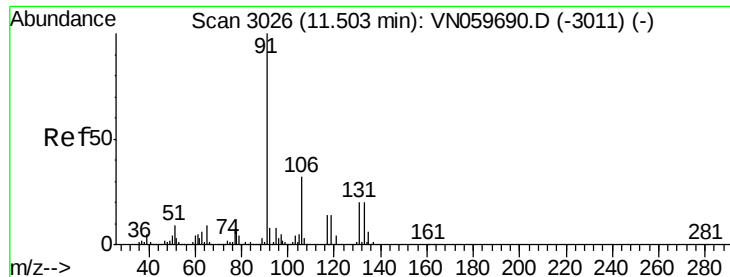


Abundance Ion 116.90 (116.60 to 117.60): VN059892.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN059892.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN059892.D (-2979) (-)





#67

Ethyl Benzene

Concen: 1.201 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059892.D

Acq: 28 Jan 2020 13:09

Instrument :

MSVOA_N

ClientSampleId :

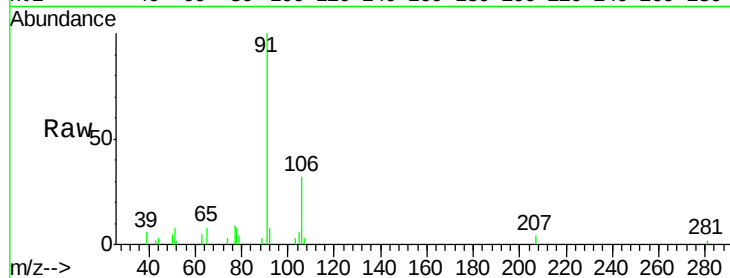
CLIFTON-POLES

Tot Ion: 91 Resp: 12990

Ion Ratio Lower Upper

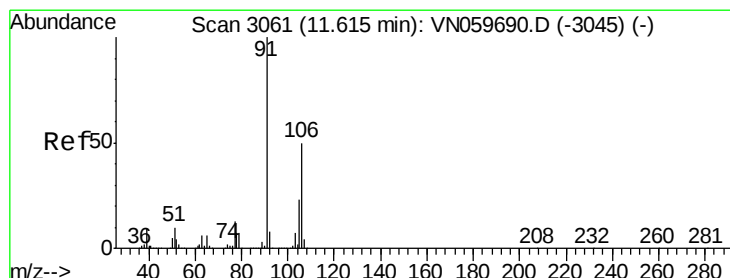
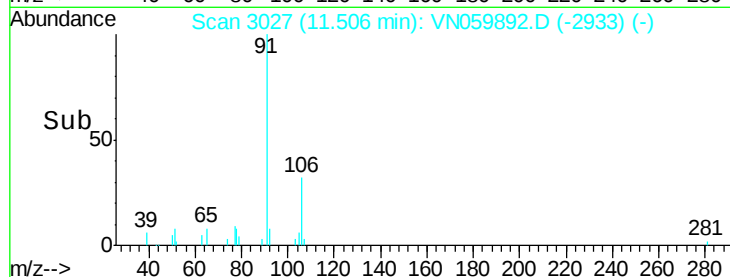
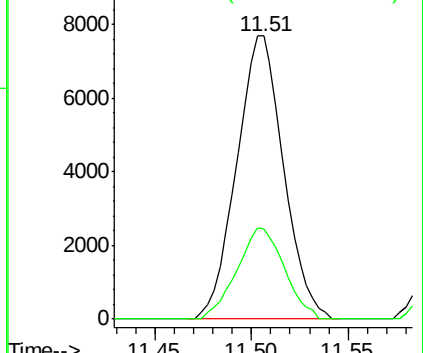
91 100

106 32.0 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059690.D (-3011) (-)

Ion 106.00 (105.70 to 106.70): VN059690.D (-3011) (-)



#68

m/p-Xylenes

Concen: 2.739 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN059892.D

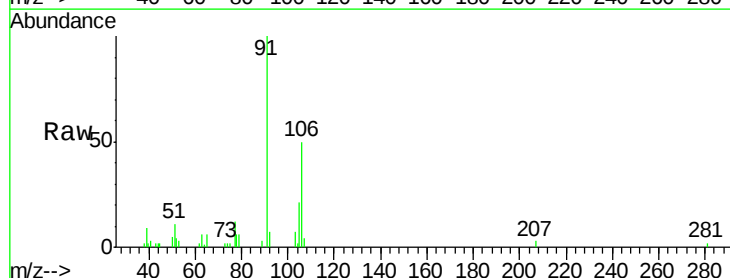
Acq: 28 Jan 2020 13:09

Tgt Ion: 106 Resp: 11187

Ion Ratio Lower Upper

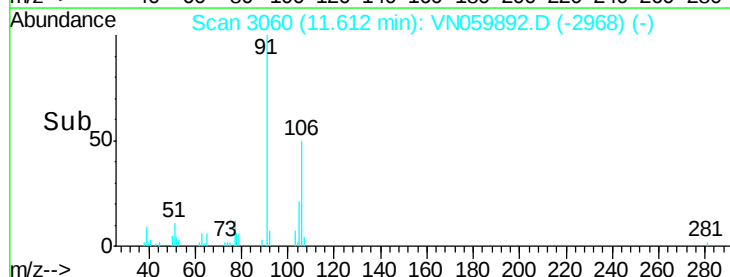
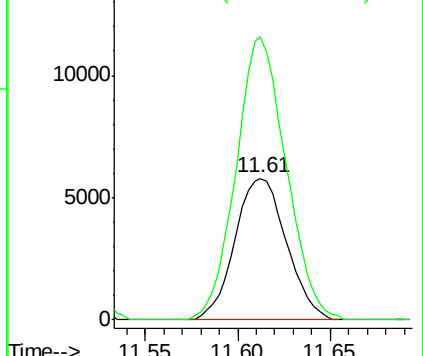
106 100

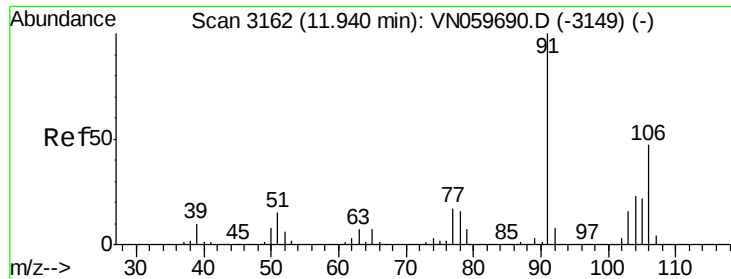
91 194.0 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059690.D (-3045) (-)

Ion 91.00 (90.70 to 91.70): VN059690.D (-3045) (-)

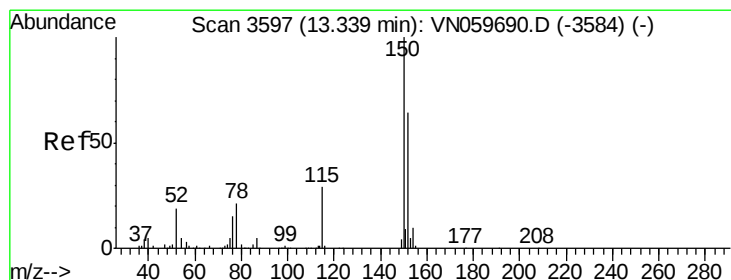
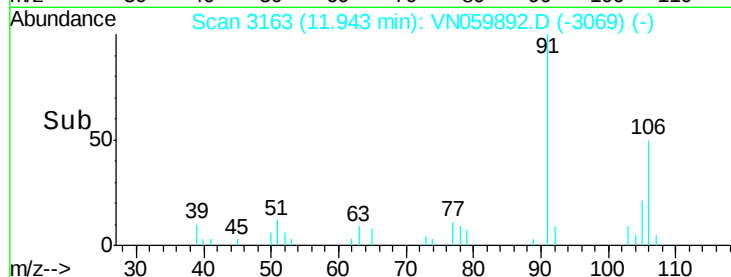
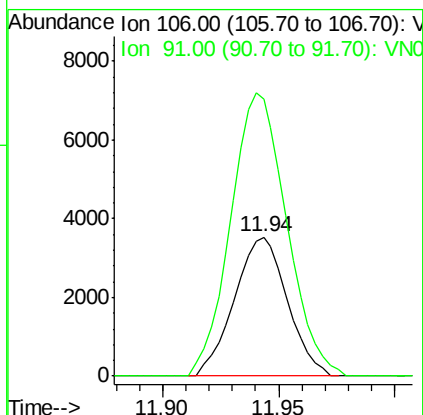
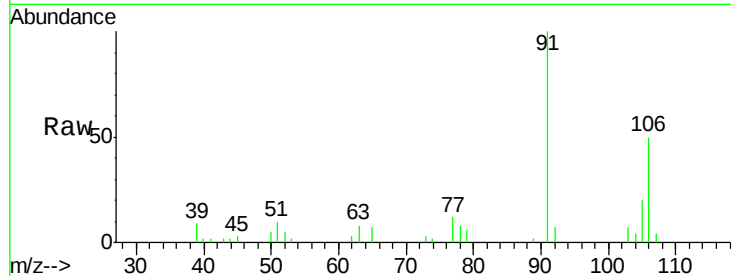




#69
o-Xylene
Concen: 1.400 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059892.D
Acq: 28 Jan 2020 13:09

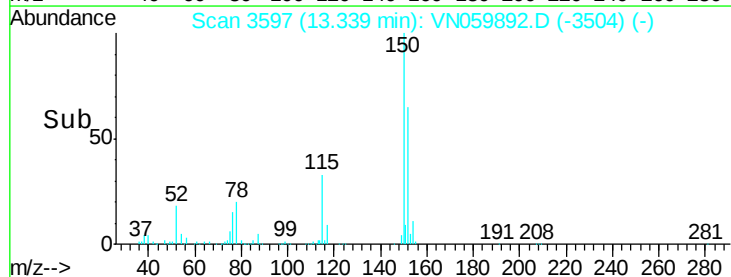
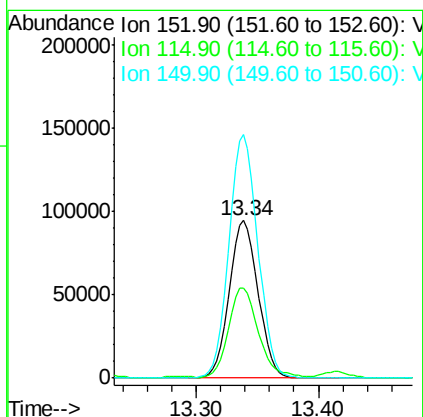
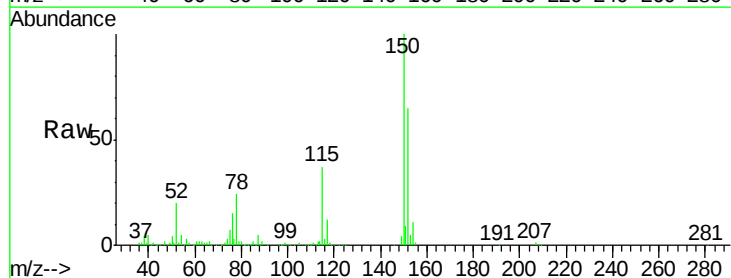
Instrument :
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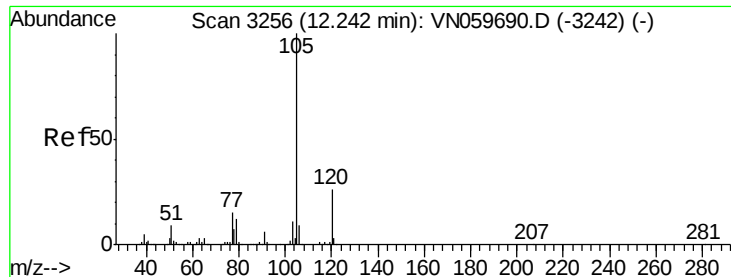
Tot Ion:106 Resp: 5597
Ion Ratio Lower Upper
106 100
91 215.1 110.3 330.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059892.D
Acq: 28 Jan 2020 13:09

Tgt Ion:152 Resp: 155261
Ion Ratio Lower Upper
152 100
115 59.0 30.3 90.9
150 155.4 0.0 345.2





#73

Isopropylbenzene

Concen: 1.003 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN059892.D

Acq: 28 Jan 2020 13:09

Instrument :

MSVOA_N

ClientSampleId :

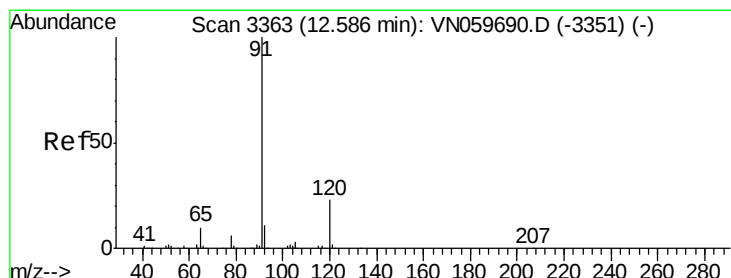
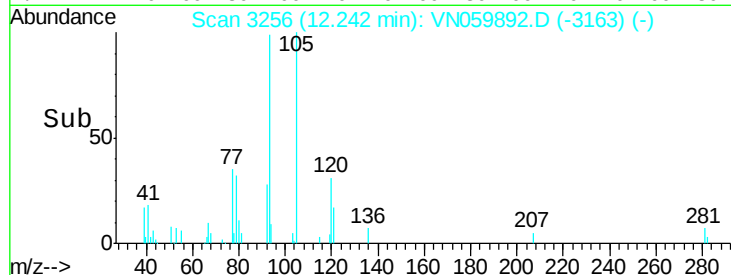
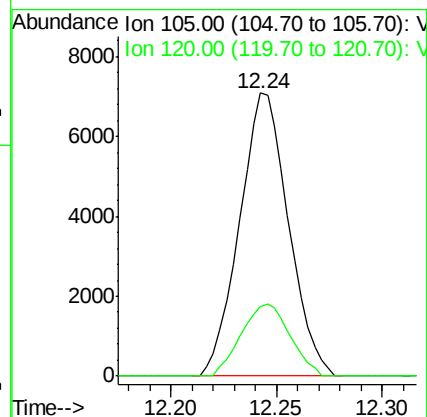
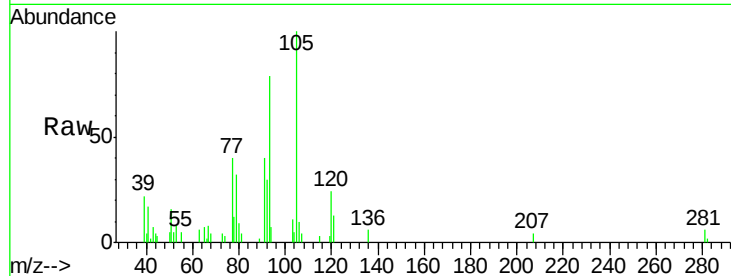
CLIFTON-POLES

Tot Ion: 105 Resp: 11418

Ion Ratio Lower Upper

105 100

120 25.5 13.2 39.5



#78

n-propylbenzene

Concen: 0.482 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059892.D

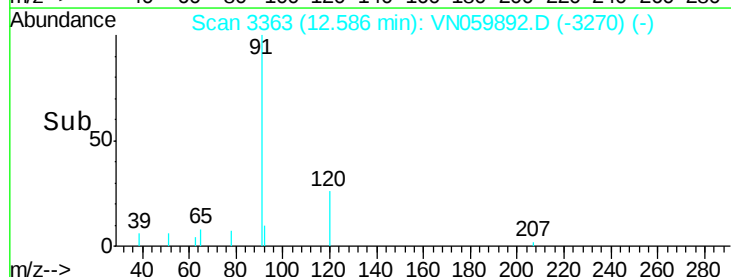
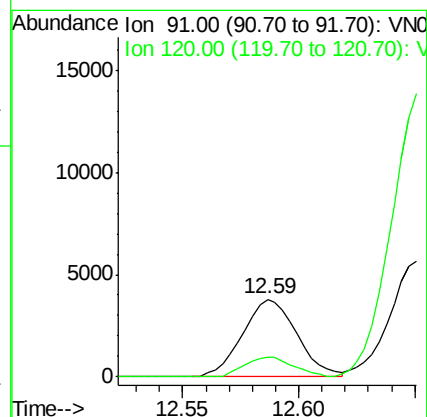
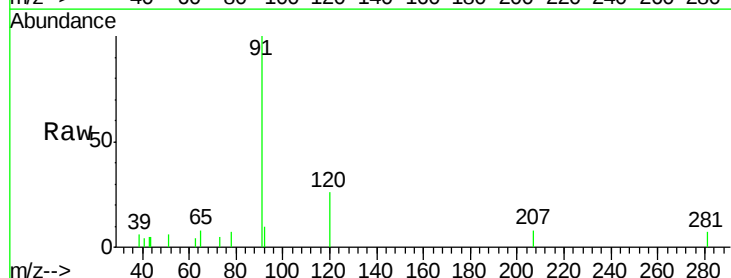
Acq: 28 Jan 2020 13:09

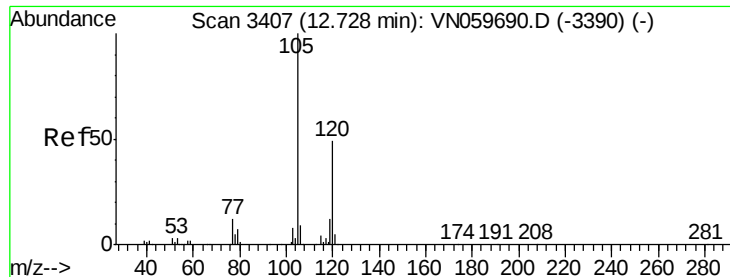
Tgt Ion: 91 Resp: 6162

Ion Ratio Lower Upper

91 100

120 0.0 11.1 33.3#





#80

1,3,5-Trimethylbenzene

Concen: 11.195 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059892.D

Acq: 28 Jan 2020 13:09

Instrument :

MSVOA_N

ClientSampleId :

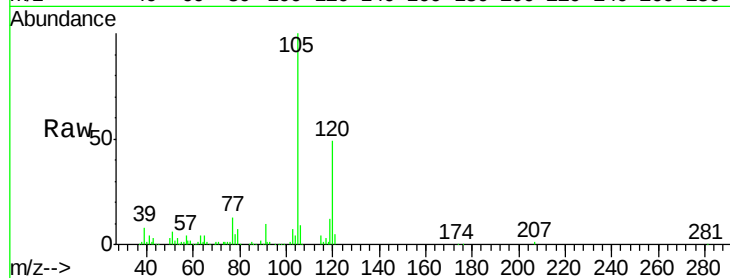
CLIFTON-POLES

Tot Ion:105 Resp: 107207

Ion Ratio Lower Upper

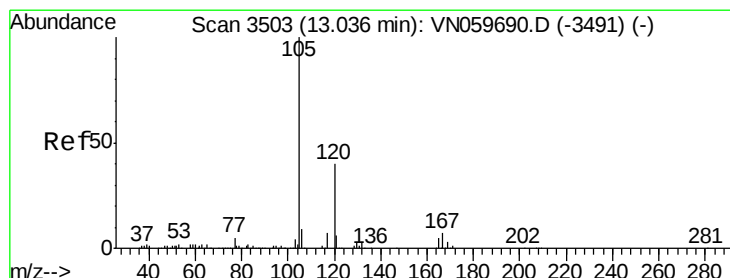
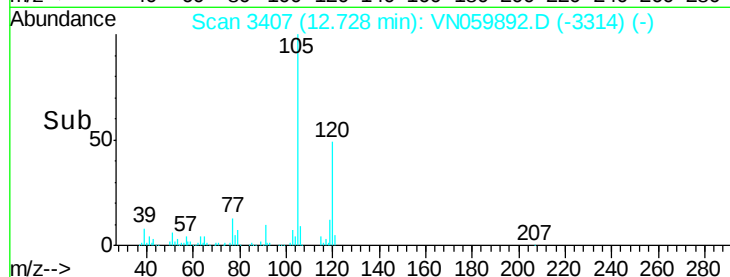
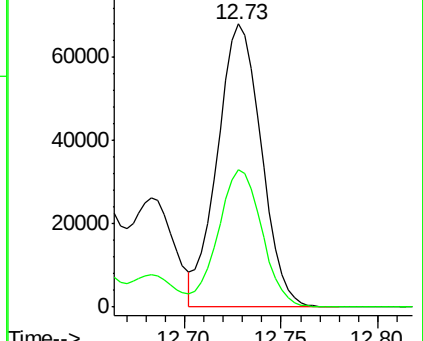
105 100

120 48.5 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 25.620 ug/l

RT: 13.03 min Scan# 3502

Delta R.T. -0.00 min

Lab File: VN059892.D

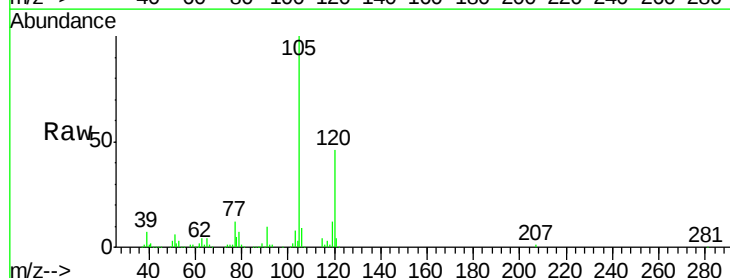
Acq: 28 Jan 2020 13:09

Tgt Ion:105 Resp: 242719

Ion Ratio Lower Upper

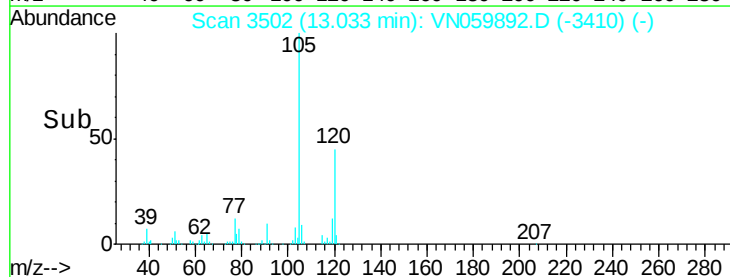
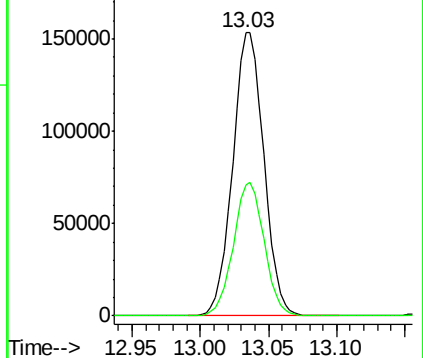
105 100

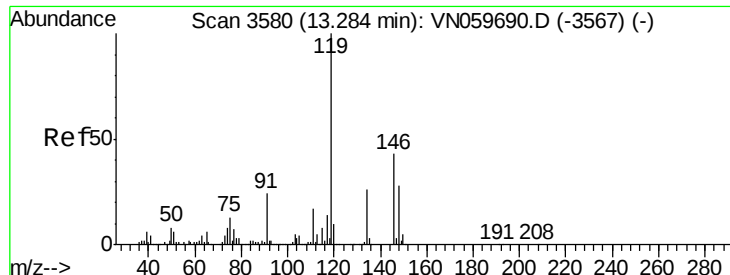
120 46.5 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

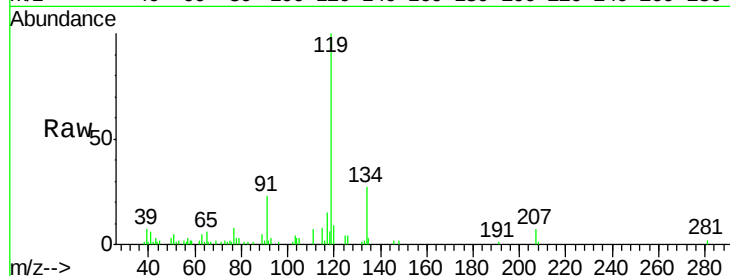




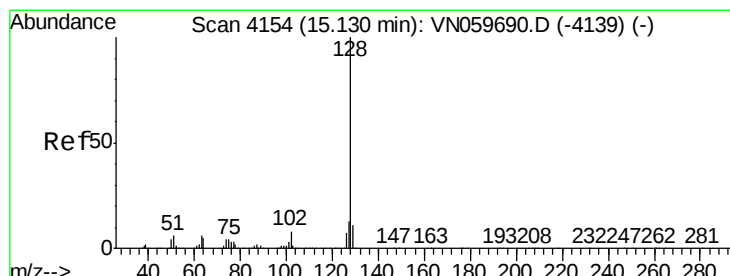
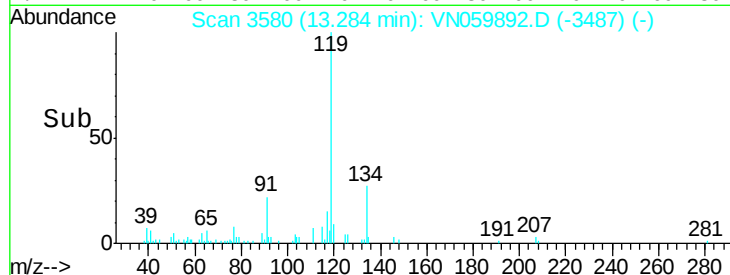
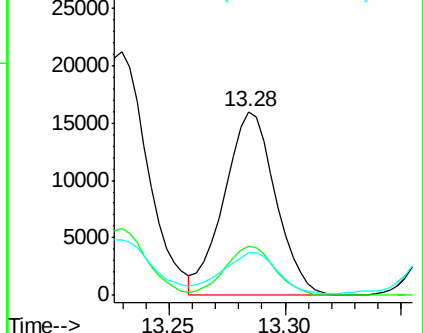
#86
p-Isopropyltoluene
Concen: 2.441 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.00 min
Lab File: VN059892.D
Acq: 28 Jan 2020 13:09

Instrument :
MSVOA_N
ClientSampled :
CLIFTON-POLES

Tot Ion:119 Resp: 24574
Ion Ratio Lower Upper
119 100
134 25.9 12.9 38.7
91 23.1 12.4 37.4

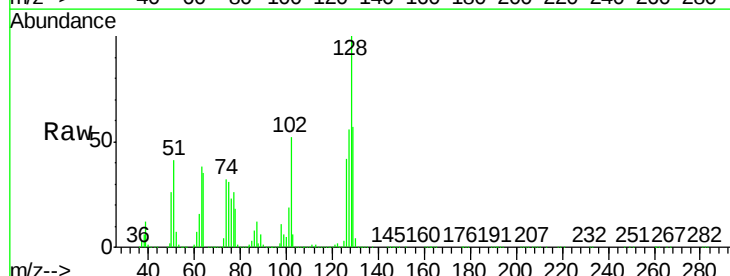


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V



#95
Naphthalene
Concen: 1281.449 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN059892.D
Acq: 28 Jan 2020 13:09

Tgt Ion:128 Resp:10845389
Ion Ratio Lower Upper
128 100
127 40.4 10.4 15.6#
129 39.2 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

