

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070920\
 Data File : VN062450.D
 Acq On : 9 Jul 2020 12:16
 Operator : JC/MD
 Sample : L3215-14DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12DL

Quant Time: Jul 09 13:12:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 02:12:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	201461	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	360705	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	346579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	149827	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	157209	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
35) Dibromofluoromethane	7.55	113	117662	52.77	ug/l	0.00
Spiked Amount			Recovery	=	105.54%	
50) Toluene-d8	10.06	98	469950	53.39	ug/l	0.00
Spiked Amount			Recovery	=	106.78%	
62) 4-Bromofluorobenzene	12.37	95	180276	56.05	ug/l	0.00
Spiked Amount			Recovery	=	112.10%	

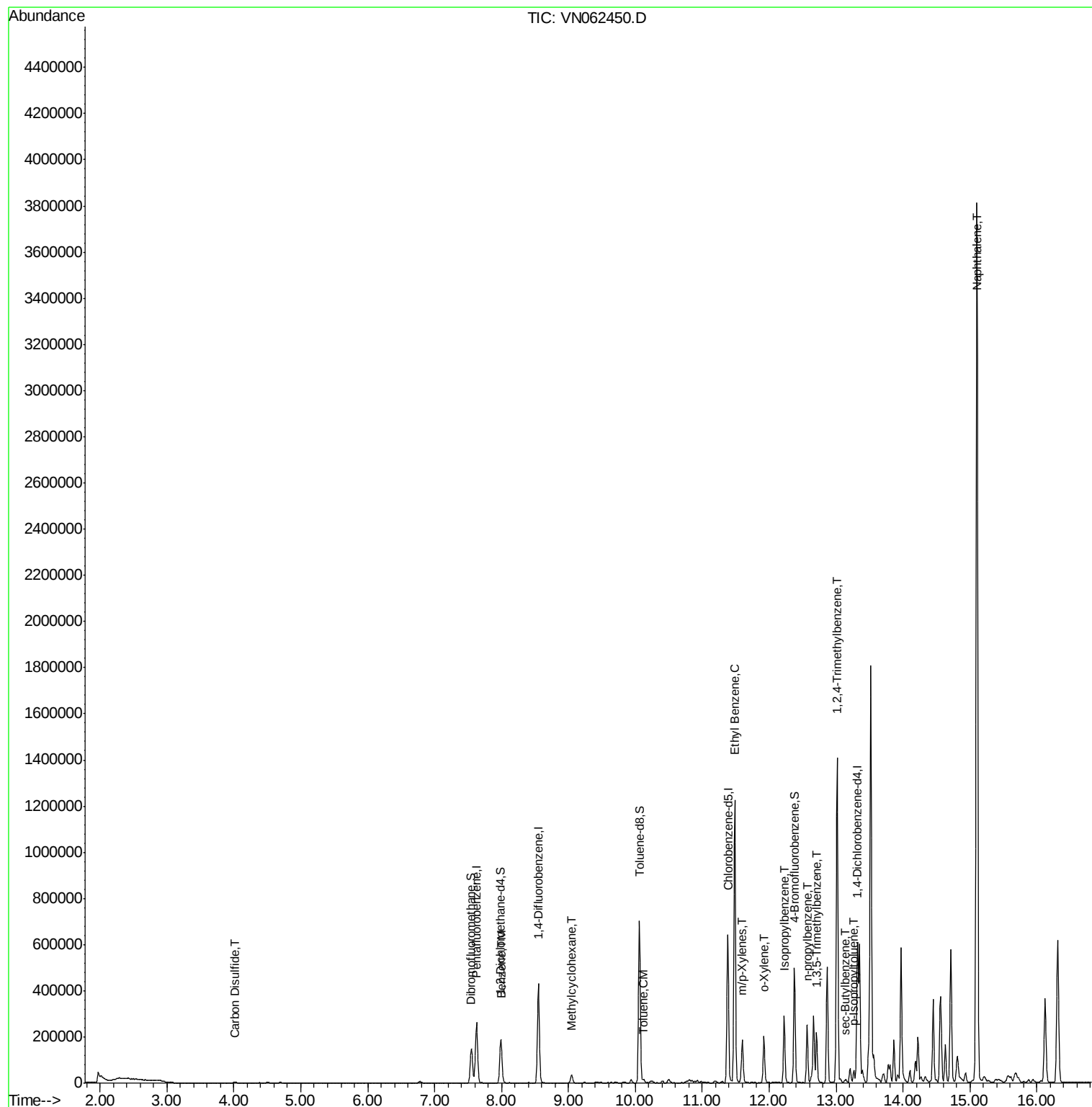
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Carbon Disulfide	4.02	76	6360	0.982	ug/l	98
39) Methylcyclohexane	9.05	83	13655	3.520	ug/l	98
40) Benzene	8.00	78	14854	1.387	ug/l	98
52) Toluene	10.12	92	5361	0.867	ug/l	97
67) Ethyl Benzene	11.48	91	874989	69.203	ug/l	99
68) m/p-Xylenes	11.60	106	57487	12.843	ug/l	96
69) o-Xylene	11.92	106	51949	11.920	ug/l	98
73) Isopropylbenzene	12.22	105	187897	16.206	ug/l	100
78) n-propylbenzene	12.57	91	198387	14.649	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	116030	12.208	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	778172	82.370	ug/l	99
85) sec-Butylbenzene	13.15	105	8210m	0.768	ug/l	
86) p-Isopropyltoluene	13.26	119	22628	2.453	ug/l	89
95) Naphthalene	15.10	128	3028933	300.217	ug/l	99

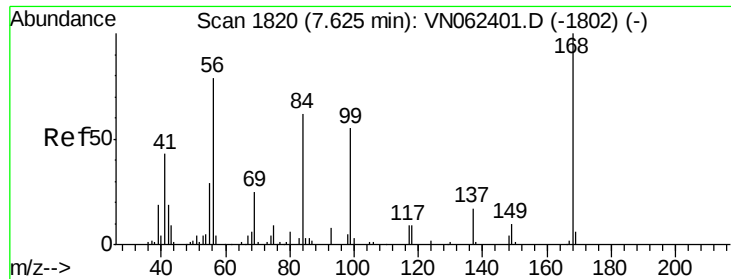
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062450.D

Acq: 9 Jul 2020 12:16

Instrument :

MSVOA_N

ClientSampleId :

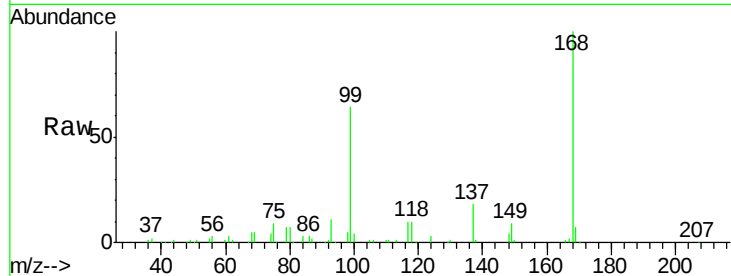
MW-12DL

Tot Ion:168 Resp: 201461

Ion Ratio Lower Upper

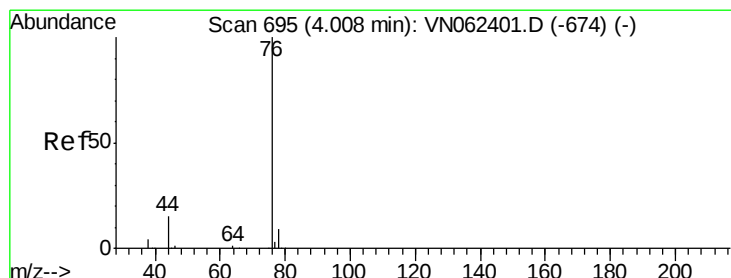
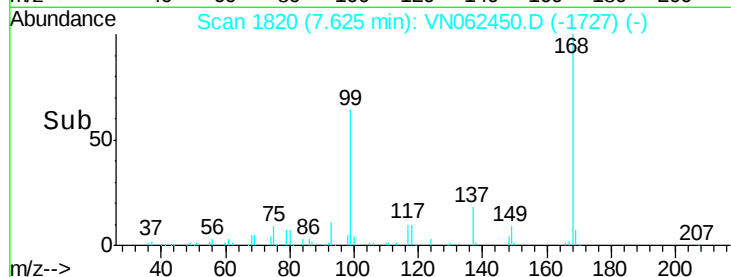
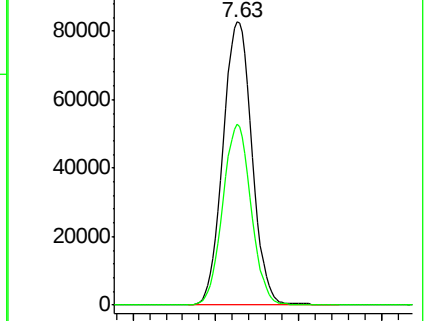
168 100

99 63.9 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#17

Carbon Disulfide

Concen: 0.982 ug/l

RT: 4.02 min Scan# 698

Delta R.T. 0.01 min

Lab File: VN062450.D

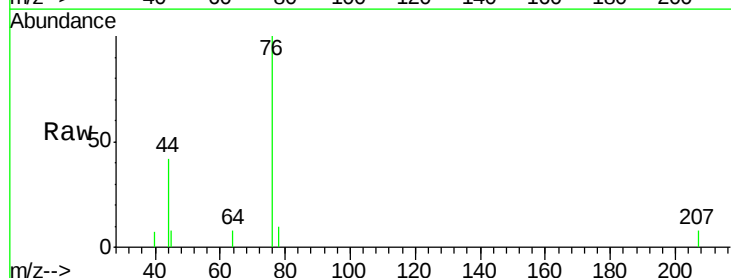
Acq: 9 Jul 2020 12:16

Tgt Ion: 76 Resp: 6360

Ion Ratio Lower Upper

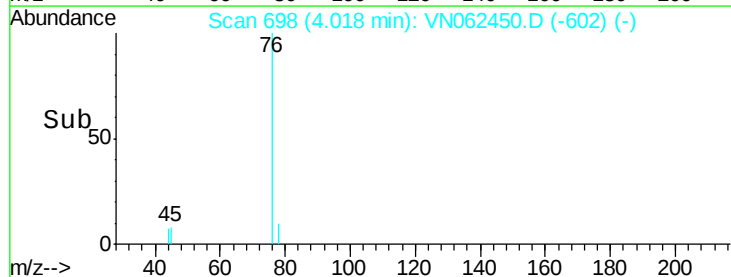
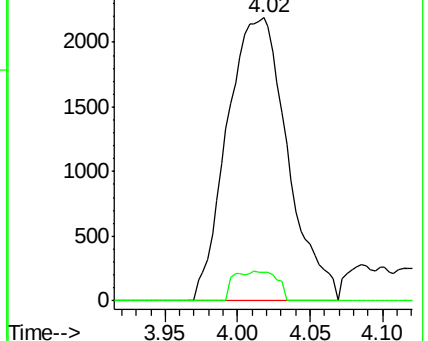
76 100

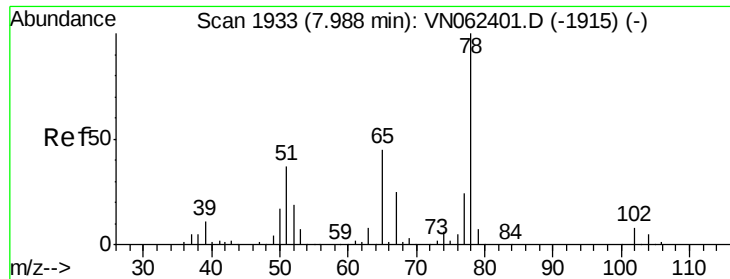
78 10.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 50.733 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062450.D

Acq: 9 Jul 2020 12:16

Instrument :

MSVOA_N

ClientSampleId :

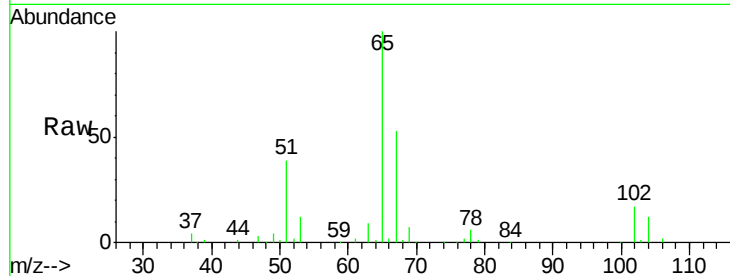
MW-12DL

Tot Ion: 65 Resp: 157209

Ion Ratio Lower Upper

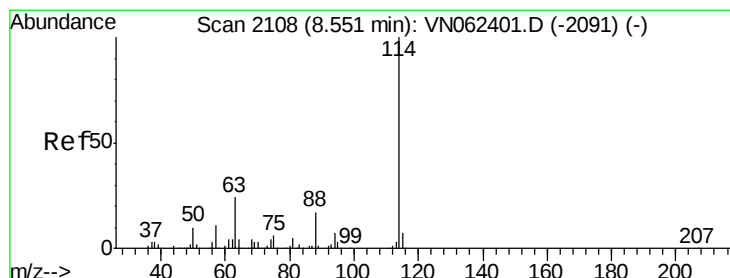
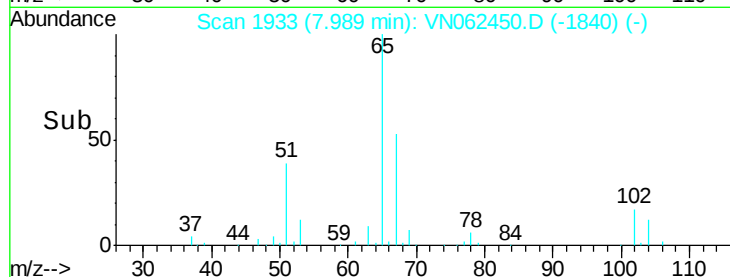
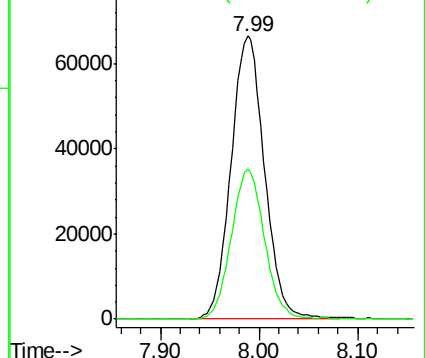
65 100

67 52.4 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN062450.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN062450.D (-1840) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062450.D

Acq: 9 Jul 2020 12:16

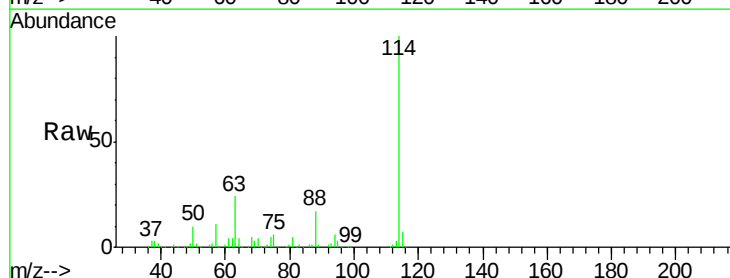
Tgt Ion: 114 Resp: 360705

Ion Ratio Lower Upper

114 100

63 24.4 0.0 48.4

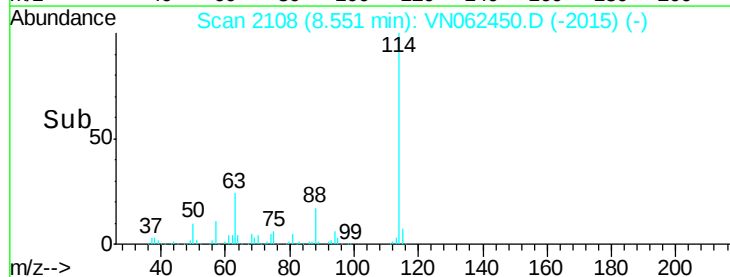
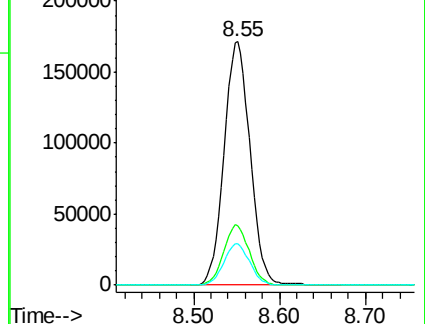
88 17.1 0.0 33.8

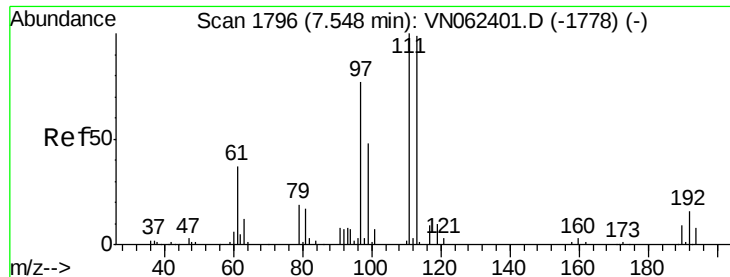


Abundance Ion 113.90 (113.60 to 114.60): VN062450.D (-2015) (-)

Ion 63.00 (62.70 to 63.70): VN062450.D (-2015) (-)

Ion 87.90 (87.60 to 88.60): VN062450.D (-2015) (-)

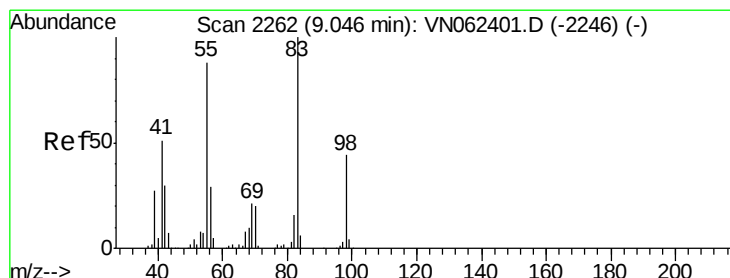
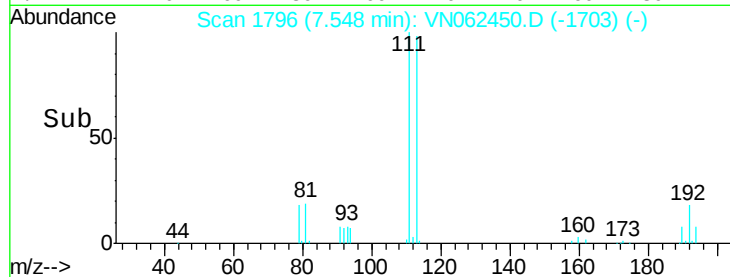
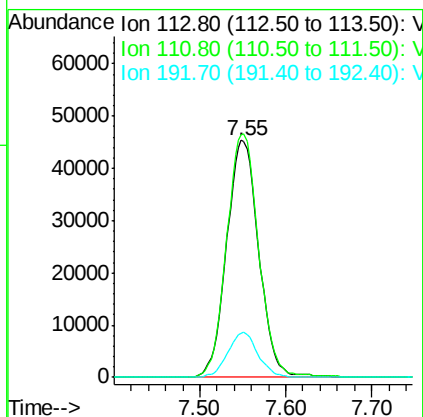
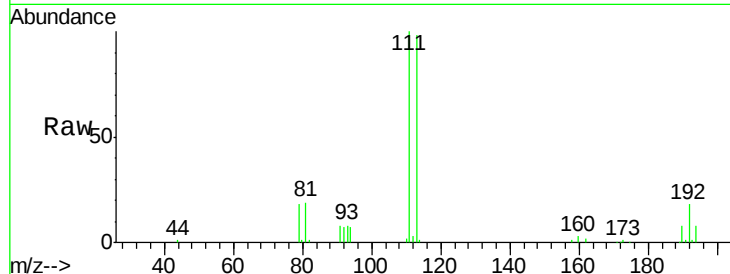




#35
 Dibromofluoromethane
 Concen: 52.772 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062450.D
 Acq: 9 Jul 2020 12:16

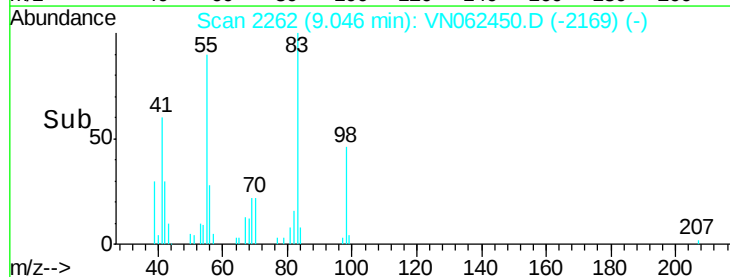
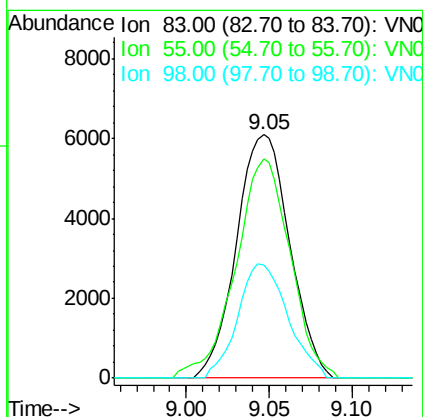
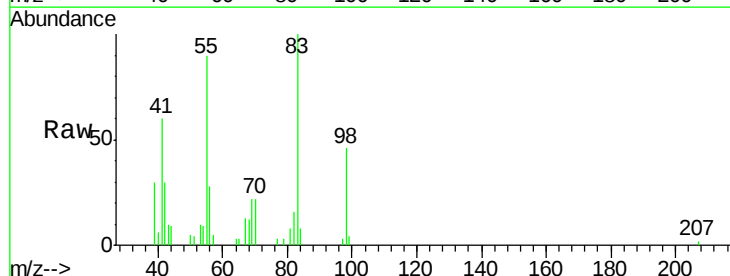
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12DL

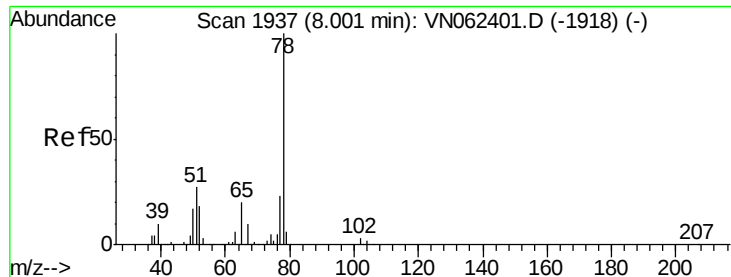
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.1	124.7
192	17.8	14.1	21.1



#39
 Methylcyclohexane
 Concen: 3.520 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VN062450.D
 Acq: 9 Jul 2020 12:16

Tgt Ion	Ratio	Lower	Upper
83	100		
55	89.8	70.5	105.7
98	46.2	35.5	53.3





#40

Benzene

Concen: 1.387 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN062450.D

Acq: 9 Jul 2020 12:16

Instrument :

MSVOA_N

ClientSampleId :

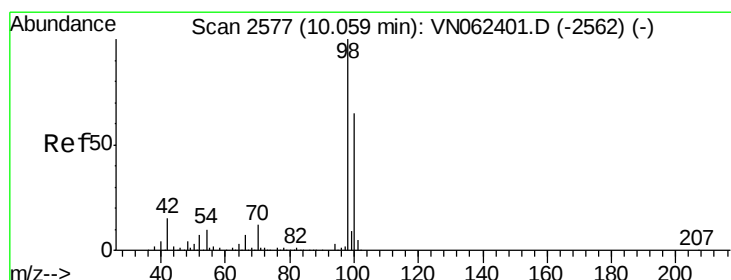
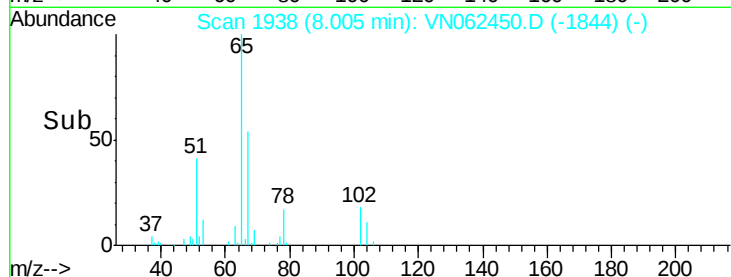
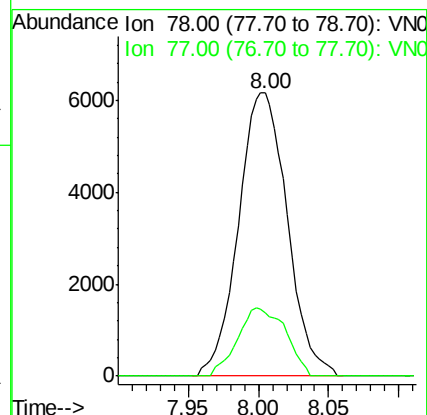
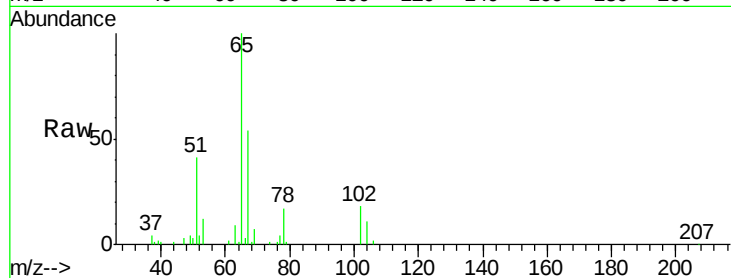
MW-12DL

Tot Ion: 78 Resp: 14854

Ion Ratio Lower Upper

78 100

77 22.5 18.7 28.1



#50

Toluene-d8

Concen: 53.391 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062450.D

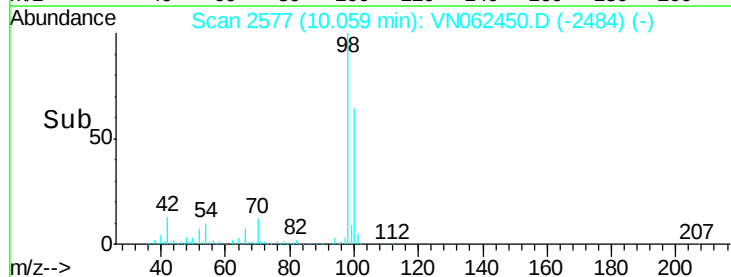
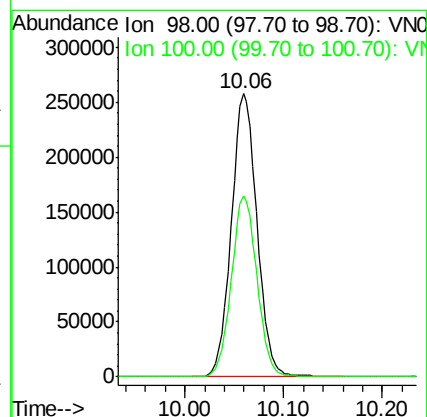
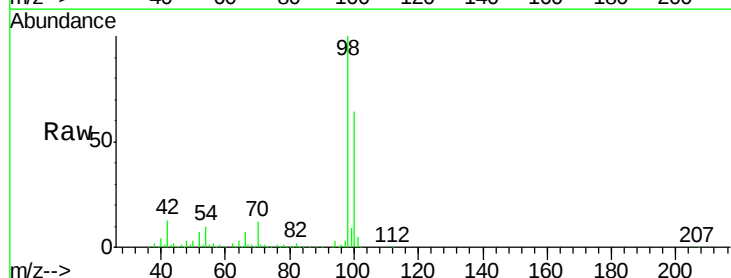
Acq: 9 Jul 2020 12:16

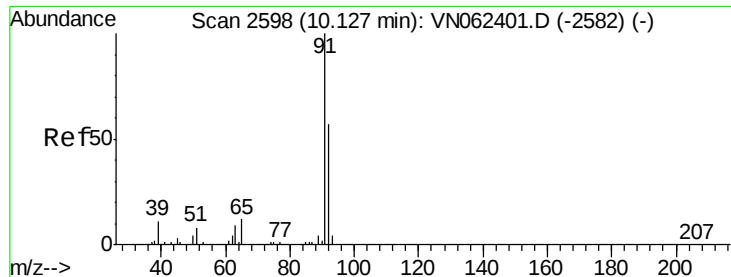
Tgt Ion: 98 Resp: 469950

Ion Ratio Lower Upper

98 100

100 63.9 51.5 77.3





#52

Toluene

Concen: 0.867 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062450.D

Acq: 9 Jul 2020 12:16

Instrument :

MSVOA_N

ClientSampleId :

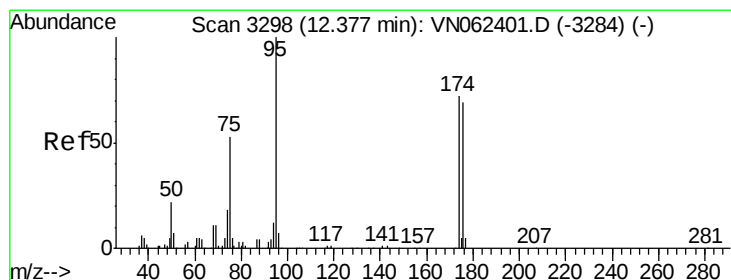
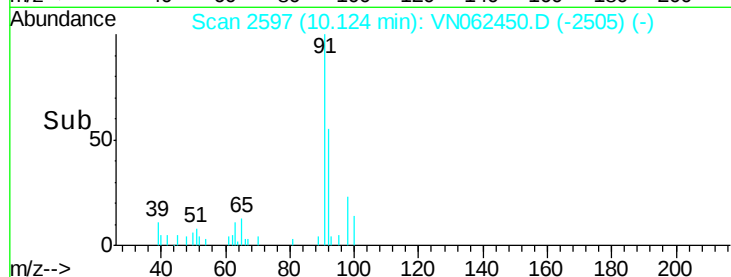
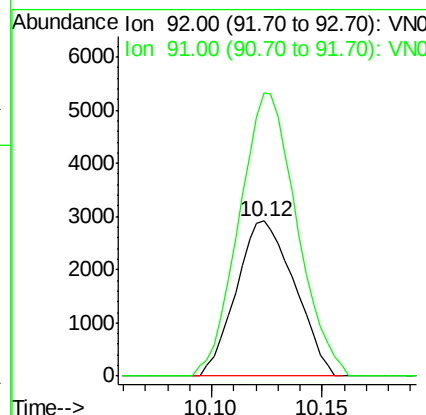
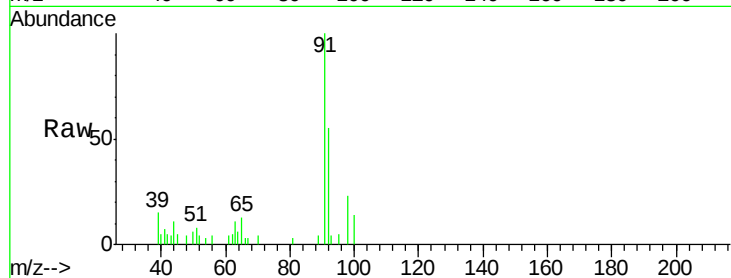
MW-12DL

Tot Ion: 92 Resp: 5361

Ion Ratio Lower Upper

92 100

91 180.6 141.0 211.6



#62

4-Bromofluorobenzene

Concen: 56.047 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN062450.D

Acq: 9 Jul 2020 12:16

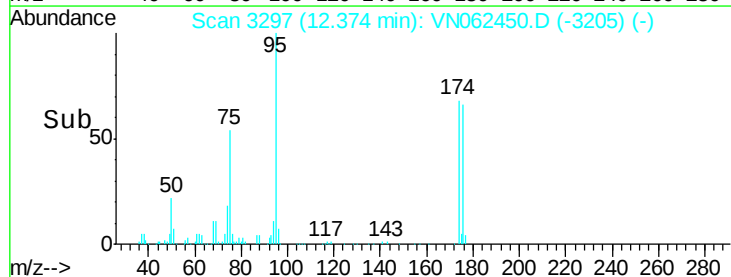
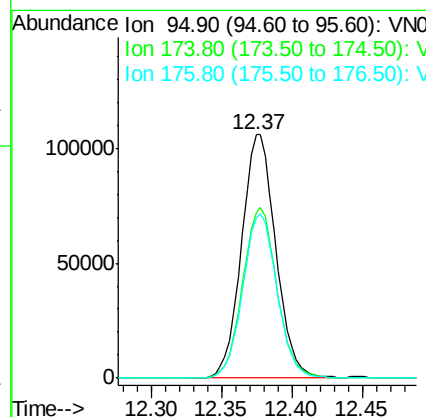
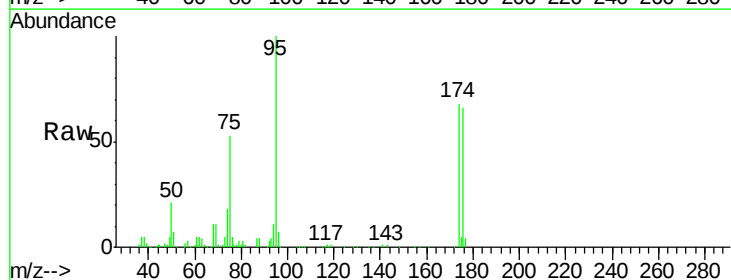
Tgt Ion: 95 Resp: 180276

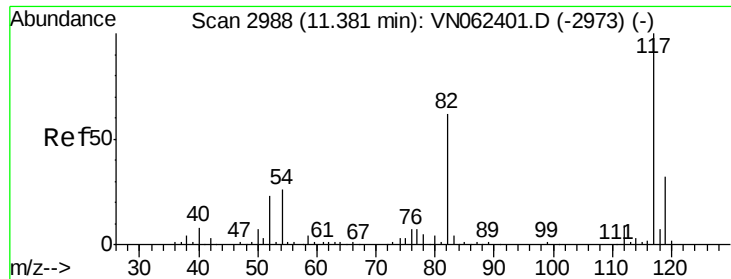
Ion Ratio Lower Upper

95 100

174 70.0 0.0 141.6

176 67.6 0.0 137.2

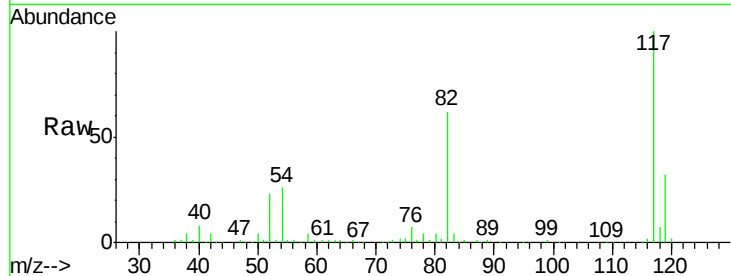




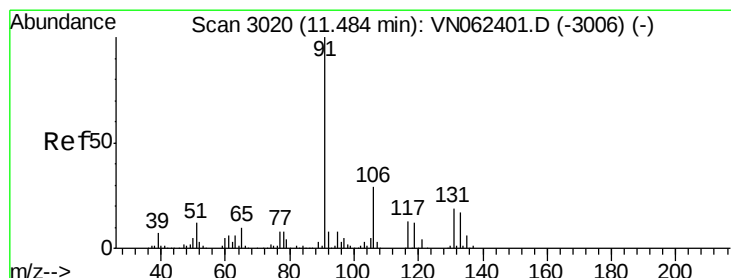
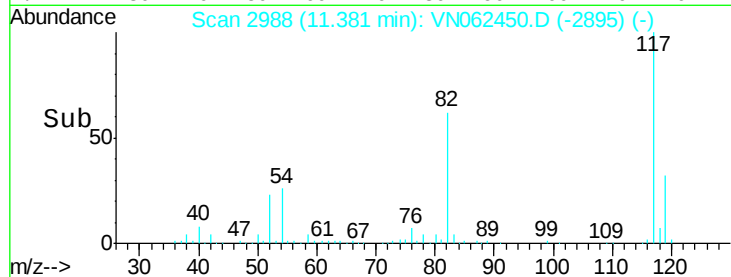
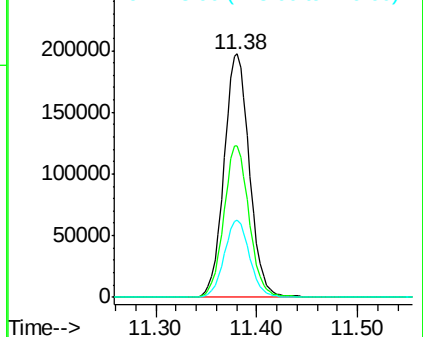
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062450.D
Acq: 9 Jul 2020 12:16

Instrument :
MSVOA_N
ClientSampled :
MW-12DL

Tot Ion:117 Resp: 346579
Ion Ratio Lower Upper
117 100
82 62.0 49.6 74.4
119 31.9 25.4 38.0

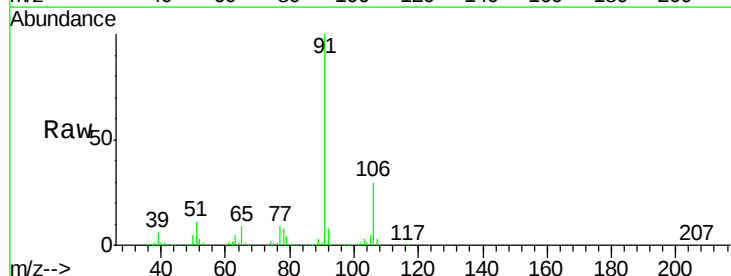


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

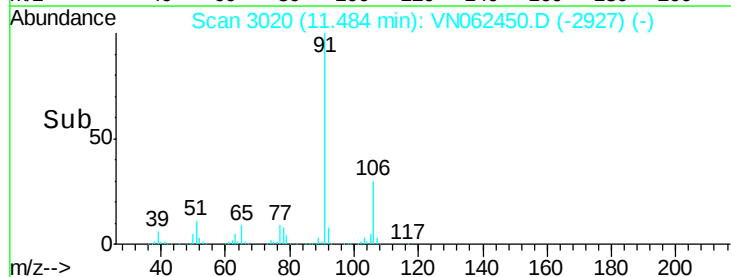
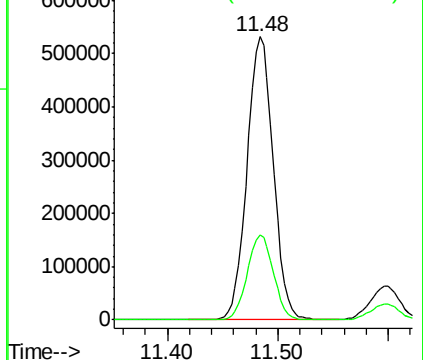


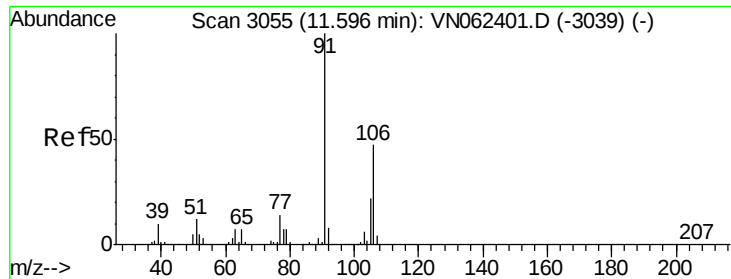
#67
Ethyl Benzene
Concen: 69.203 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062450.D
Acq: 9 Jul 2020 12:16

Tgt Ion: 91 Resp: 874989
Ion Ratio Lower Upper
91 100
106 30.1 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

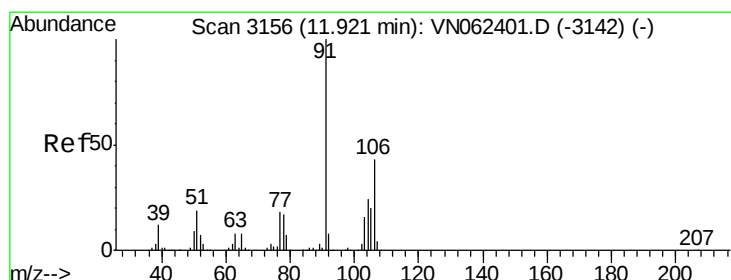
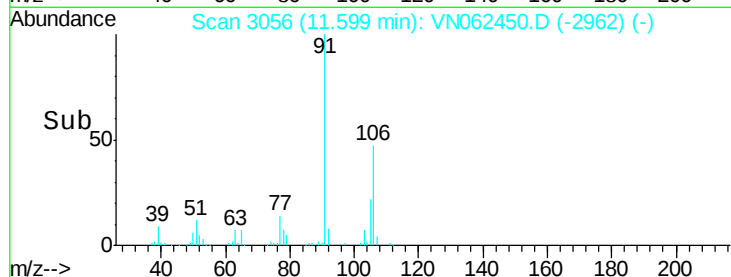
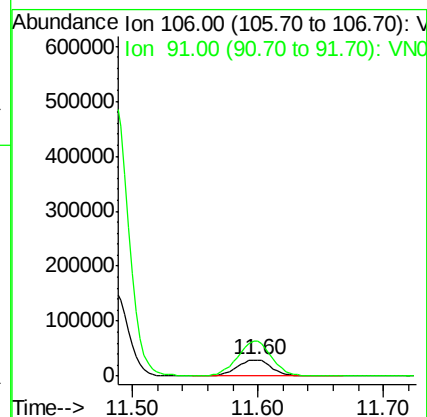
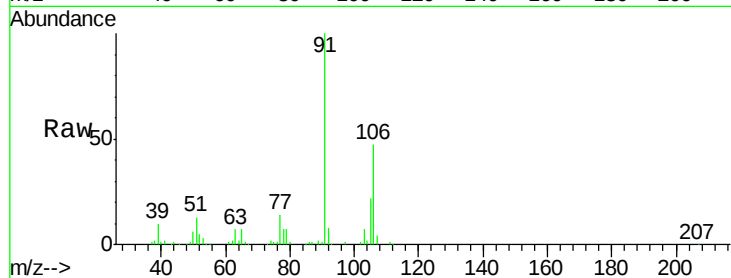




#68
m/p-Xylenes
Concen: 12.843 ug/l
RT: 11.60 min Scan# 3056
Delta R.T. 0.00 min
Lab File: VN062450.D
Acq: 9 Jul 2020 12:16

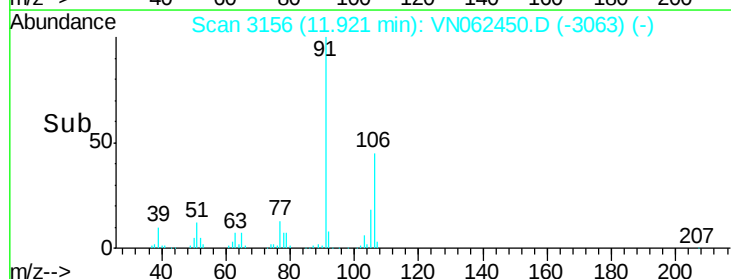
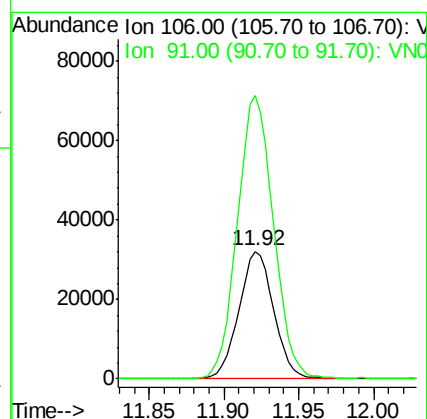
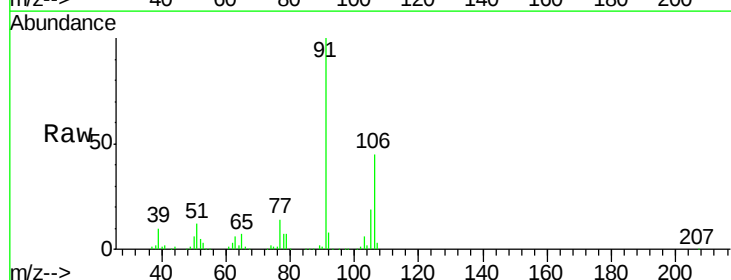
Instrument :
MSVOA_N
ClientSampleId :
MW-12DL

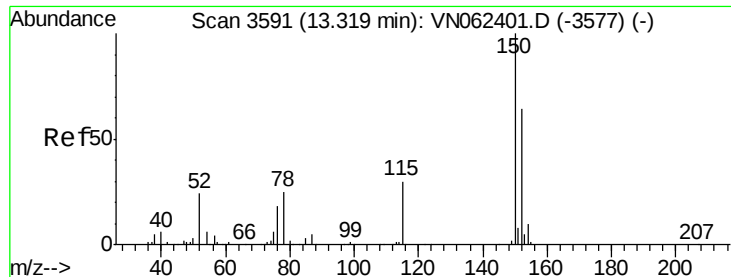
Tot Ion:106 Resp: 57487
Ion Ratio Lower Upper
106 100
91 208.8 172.4 258.6



#69
o-Xylene
Concen: 11.920 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062450.D
Acq: 9 Jul 2020 12:16

Tgt Ion:106 Resp: 51949
Ion Ratio Lower Upper
106 100
91 231.5 113.8 341.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062450.D

Acq: 9 Jul 2020 12:16

Instrument :

MSVOA_N

ClientSampled :

MW-12DL

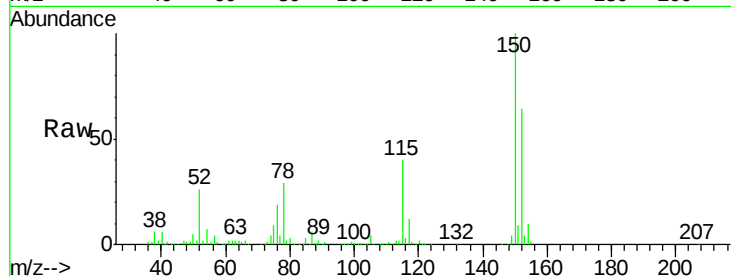
Tot Ion:152 Resp: 149827

Ion Ratio Lower Upper

152 100

115 67.0 31.4 94.2

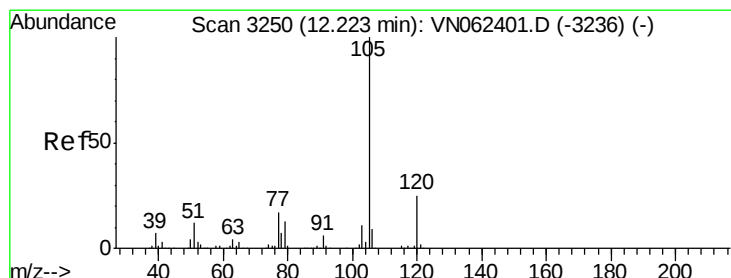
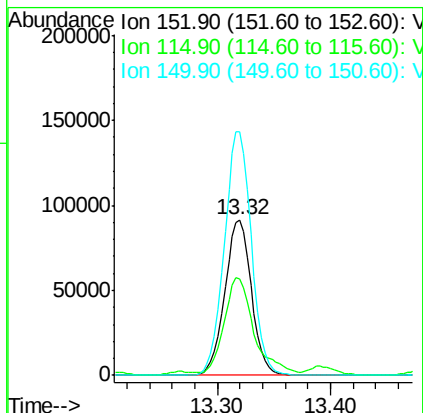
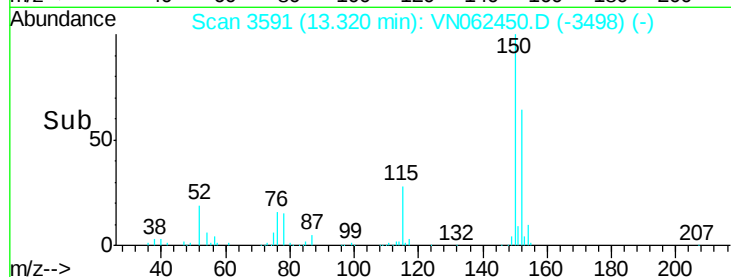
150 158.8 0.0 347.4



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: 16.206 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062450.D

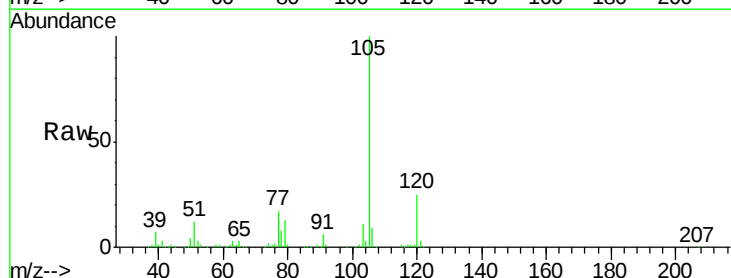
Acq: 9 Jul 2020 12:16

Tgt Ion:105 Resp: 187897

Ion Ratio Lower Upper

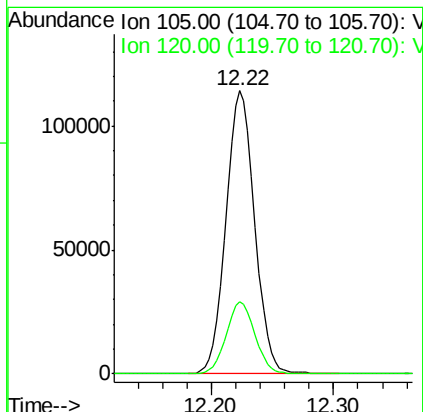
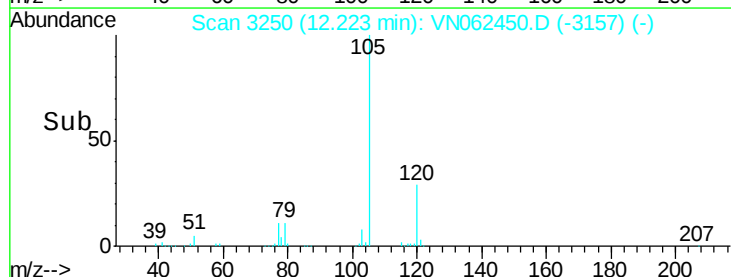
105 100

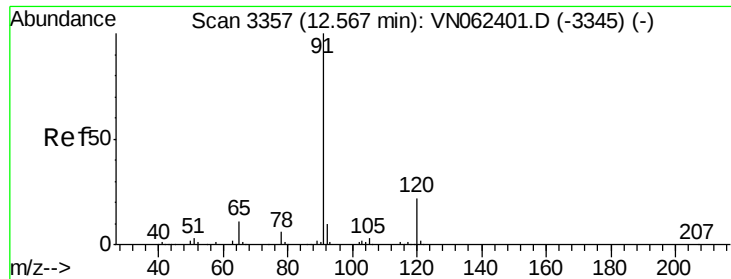
120 25.6 12.7 38.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 14.649 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062450.D

Acq: 9 Jul 2020 12:16

Instrument :

MSVOA_N

ClientSampled :

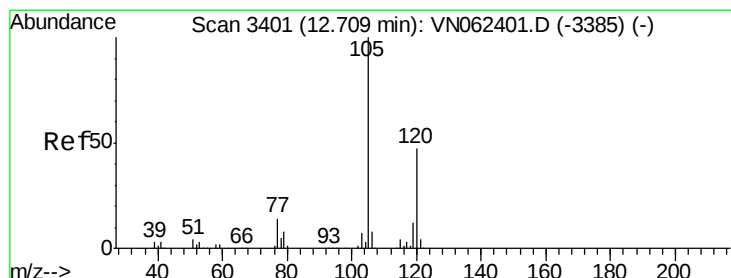
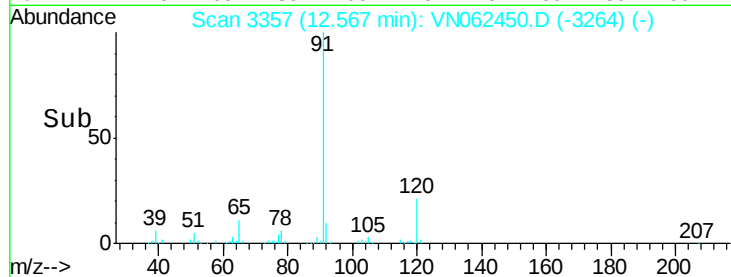
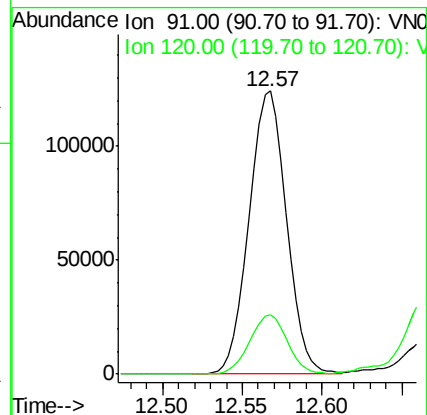
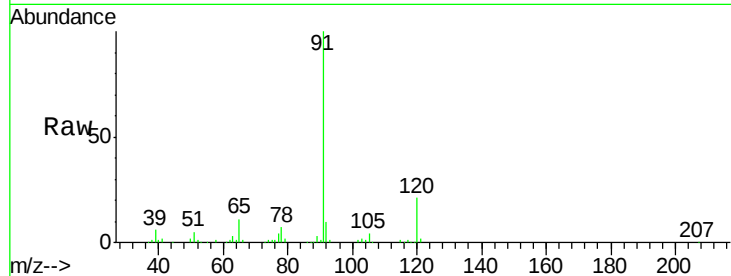
MW-12DL

Tot Ion: 91 Resp: 198387

Ion Ratio Lower Upper

91 100

120 21.0 10.7 32.1



#80

1,3,5-Trimethylbenzene

Concen: 12.208 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062450.D

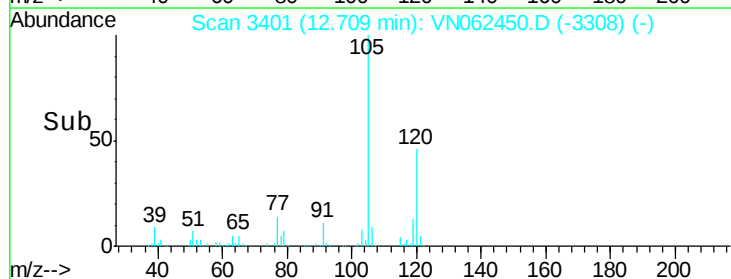
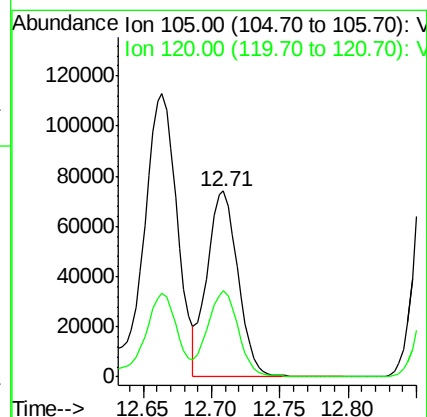
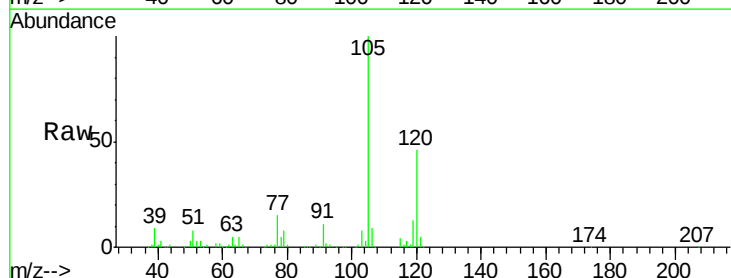
Acq: 9 Jul 2020 12:16

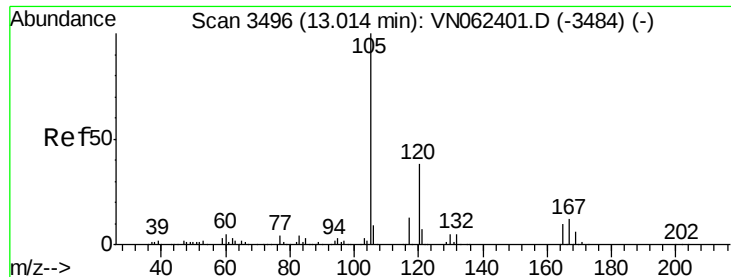
Tgt Ion: 105 Resp: 116030

Ion Ratio Lower Upper

105 100

120 46.7 23.4 70.2

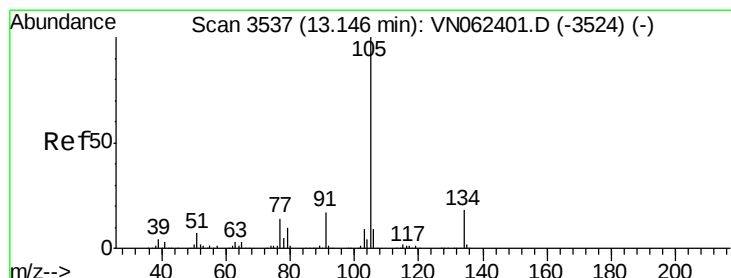
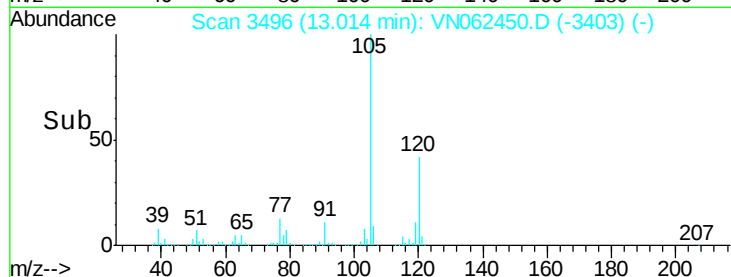
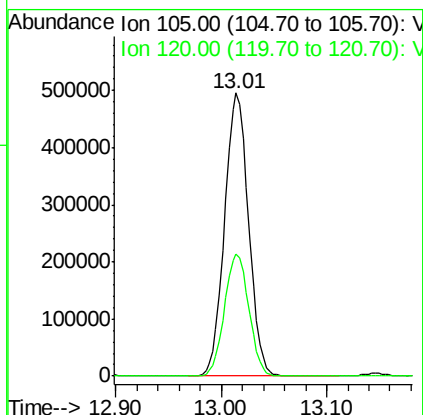
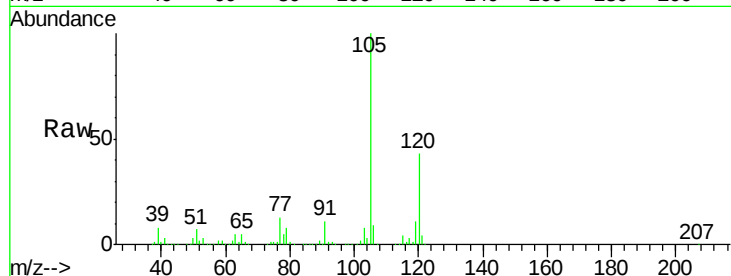




#84
 1,2,4-Trimethylbenzene
 Concen: 82.370 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062450.D
 Acq: 9 Jul 2020 12:16

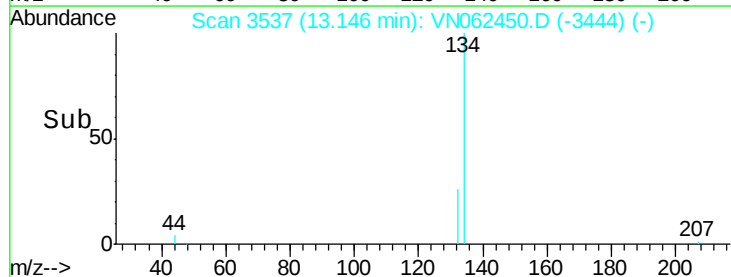
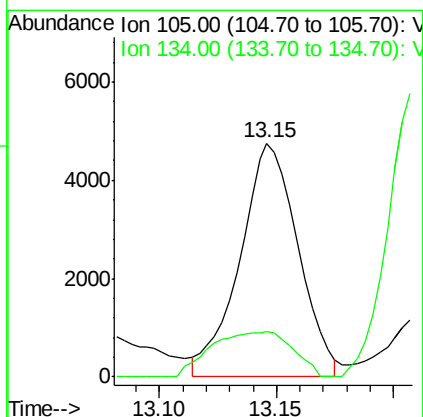
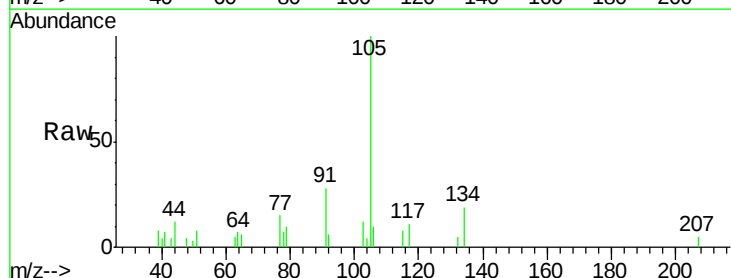
Instrument :
 MSVOA_N
 ClientSampled :
 MW-12DL

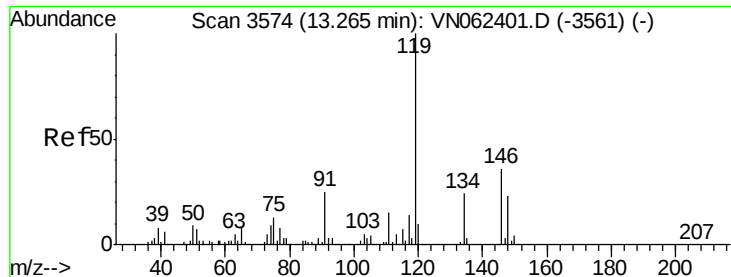
Tot Ion:105 Resp: 778172
 Ion Ratio Lower Upper
 105 100
 120 43.9 21.6 64.8



#85
 sec-Butylbenzene
 Concen: 0.768 ug/l m
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN062450.D
 Acq: 9 Jul 2020 12:16

Tgt Ion:105 Resp: 8210
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.3 28.0#

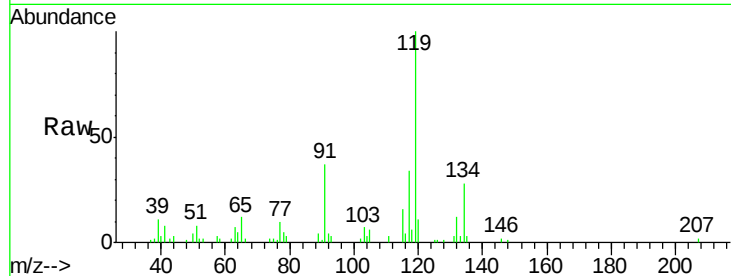




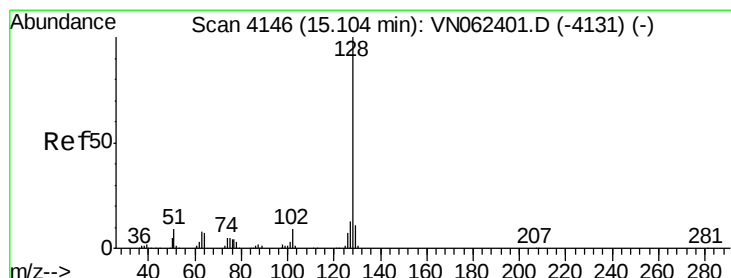
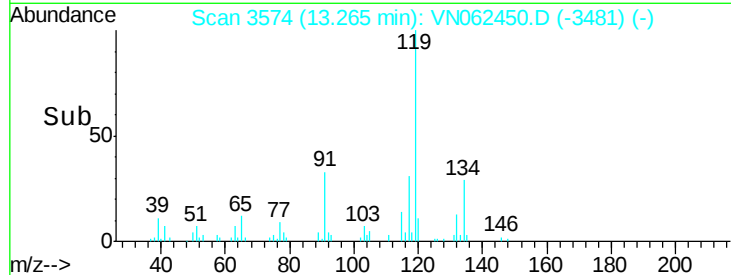
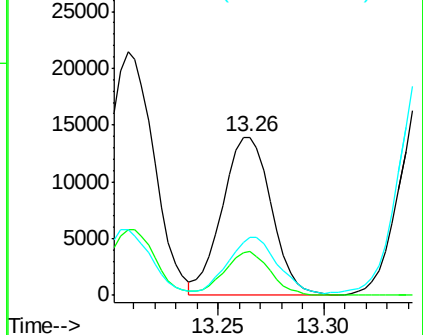
#86
p-Isopropyltoluene
Concen: 2.453 ug/l
RT: 13.26 min Scan# 3574
Delta R.T. 0.00 min
Lab File: VN062450.D
Acq: 9 Jul 2020 12:16

Instrument :
MSVOA_N
ClientSampleId :
MW-12DL

Tot Ion:119 Resp: 22628
Ion Ratio Lower Upper
119 100
134 25.7 12.4 37.0
91 34.8 12.4 37.4

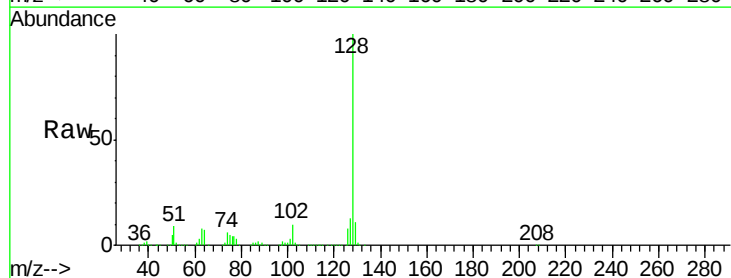


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V



#95
Naphthalene
Concen: 300.217 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062450.D
Acq: 9 Jul 2020 12:16

Tgt Ion:128 Resp: 3028933
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.2
129 11.1 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

