

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100720\
 Data File : VN063948.D
 Acq On : 7 Oct 2020 17:19
 Operator : JC/MD
 Sample : L4250-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-06

Quant Time: Oct 08 17:01:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	243401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	449217	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	463709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	200252	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	209931	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
35) Dibromofluoromethane	7.55	113	151438	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
50) Toluene-d8	10.06	98	585009	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
62) 4-Bromofluorobenzene	12.38	95	232124	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	

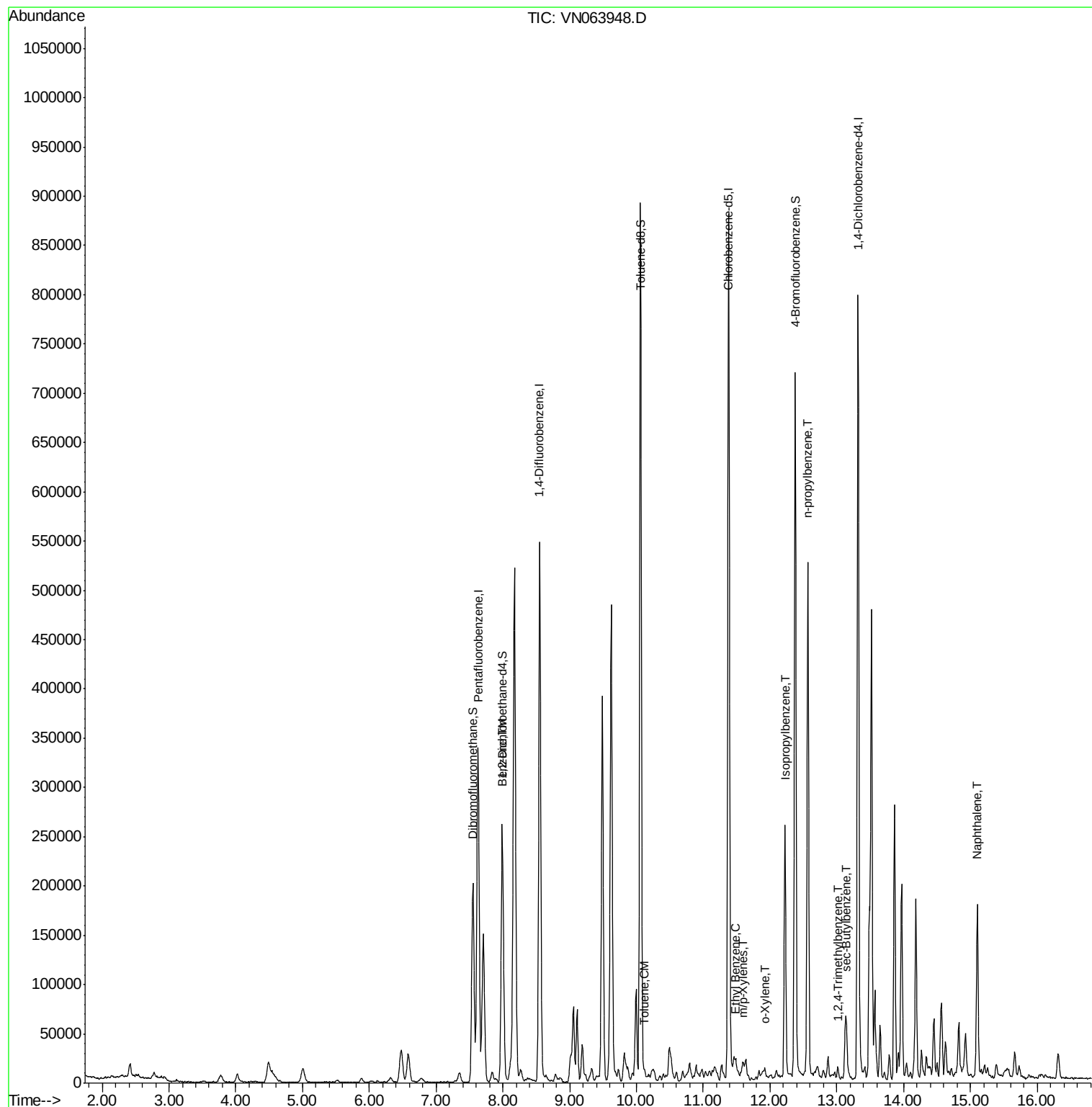
Target Compounds						Qvalue
40) Benzene	8.00	78	49769	3.829	ug/l	96
52) Toluene	10.12	92	2648	0.329	ug/l	92
67) Ethyl Benzene	11.49	91	9707	0.561	ug/l	95
68) m/p-Xylenes	11.59	106	5178	0.803	ug/l	96
69) o-Xylene	11.92	106	1850	0.307	ug/l	95
73) Isopropylbenzene	12.23	105	158653	10.862	ug/l	98
78) n-propylbenzene	12.57	91	400301	23.549	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	5705	0.466	ug/l	97
85) sec-Butylbenzene	13.14	105	27837	2.114	ug/l #	42
95) Naphthalene	15.11	128	142419	14.598	ug/l	99

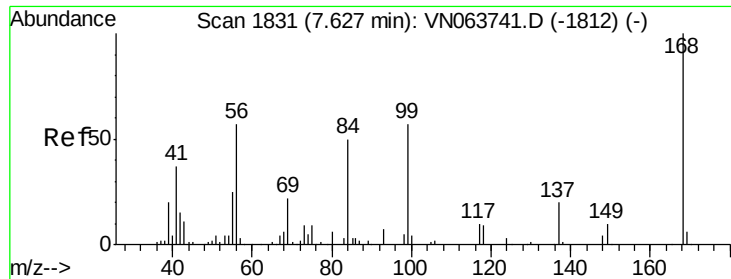
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100720\
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QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN063948.D

Acq: 7 Oct 2020 17:19

Instrument :

MSVOA_N

ClientSampleId :

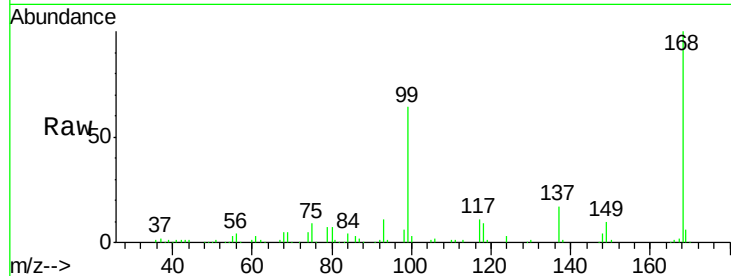
MW-06

Tot Ion:168 Resp: 243401

Ion Ratio Lower Upper

168 100

99 64.0 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

120000

100000

80000

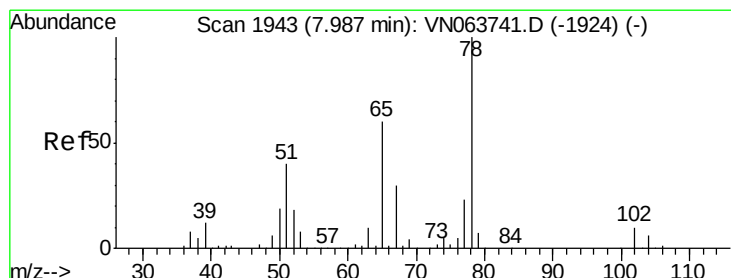
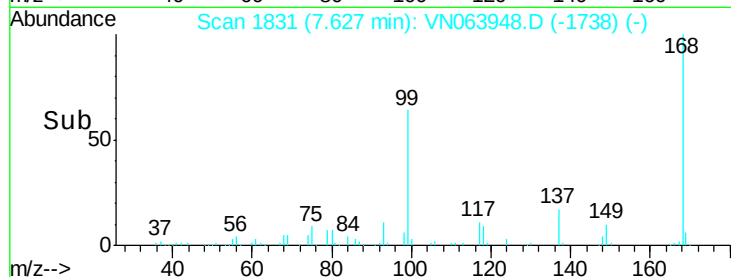
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#33

1,2-Dichloroethane-d4

Concen: 52.207 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN063948.D

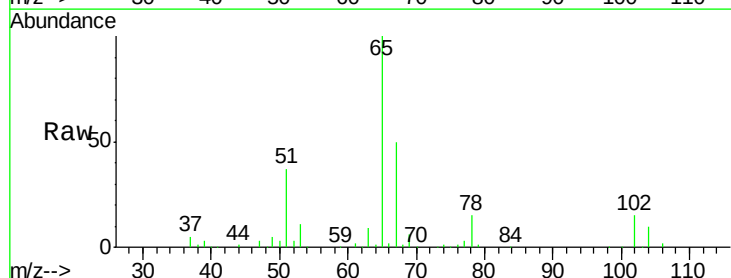
Acq: 7 Oct 2020 17:19

Tgt Ion: 65 Resp: 209931

Ion Ratio Lower Upper

65 100

67 49.5 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN

7.99

100000

80000

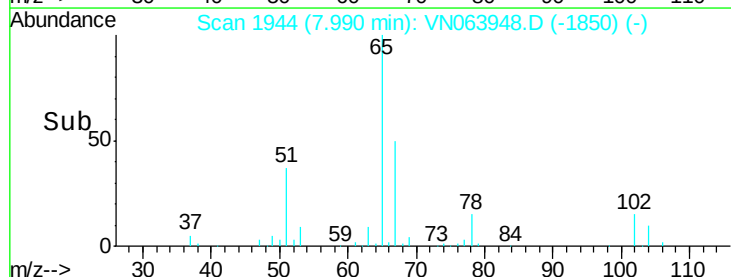
60000

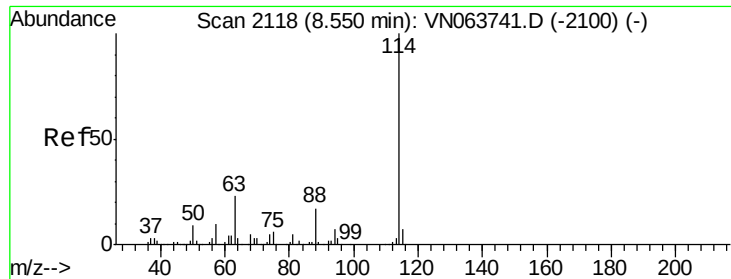
40000

20000

0

Time--> 7.90 8.00 8.10





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN063948.D

Acq: 7 Oct 2020 17:19

Instrument :

MSVOA_N

ClientSampleId :

MW-06

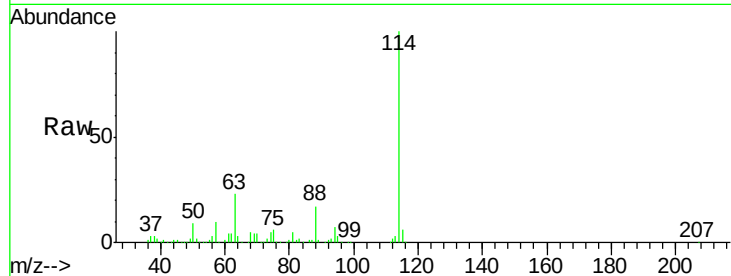
Tot Ion:114 Resp: 449217

Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.0

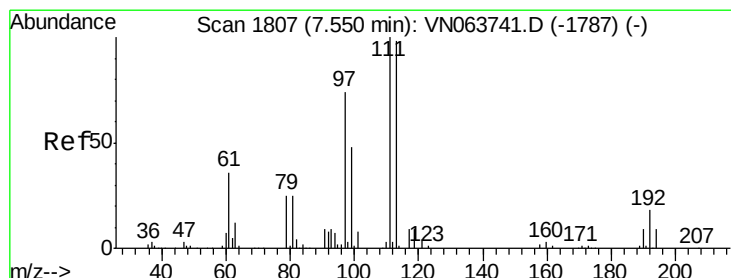
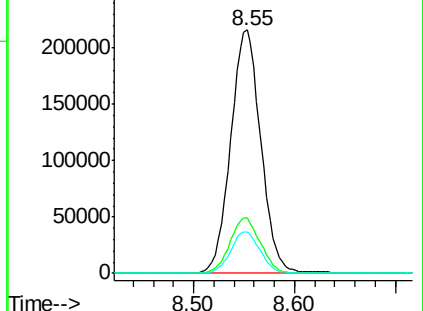
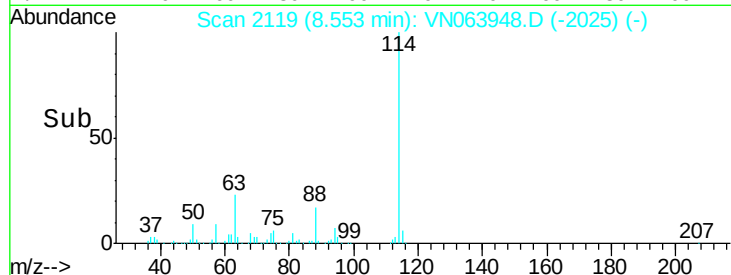
88 16.8 0.0 34.0



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: 48.584 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VN063948.D

Acq: 7 Oct 2020 17:19

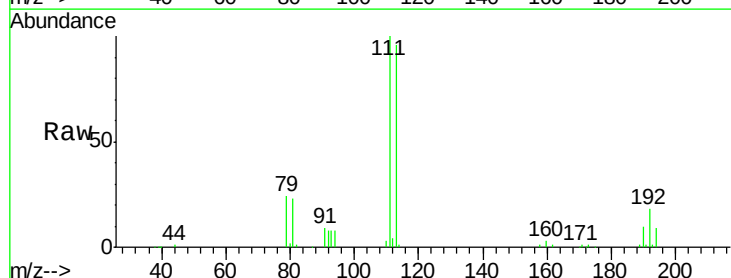
Tgt Ion:113 Resp: 151438

Ion Ratio Lower Upper

113 100

111 101.9 81.8 122.8

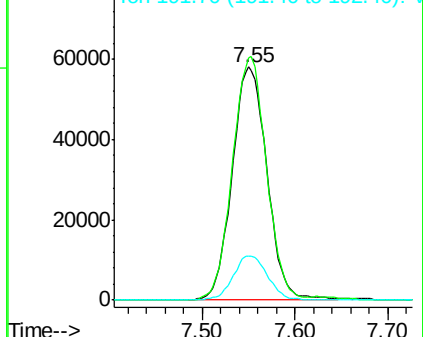
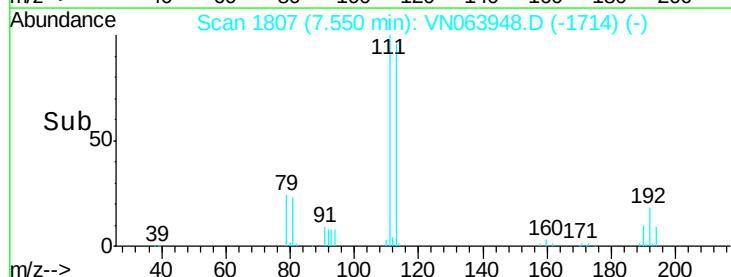
192 18.6 14.2 21.2

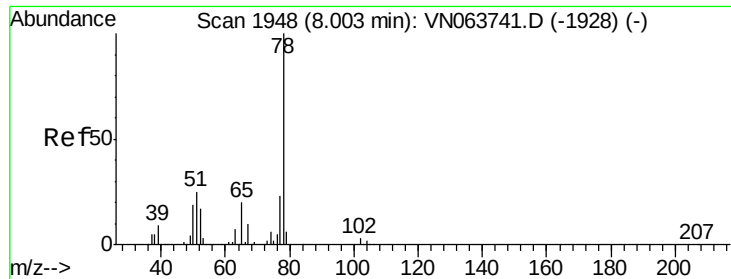


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 3.829 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VN063948.D

Acq: 7 Oct 2020 17:19

Instrument :

MSVOA_N

ClientSampleId :

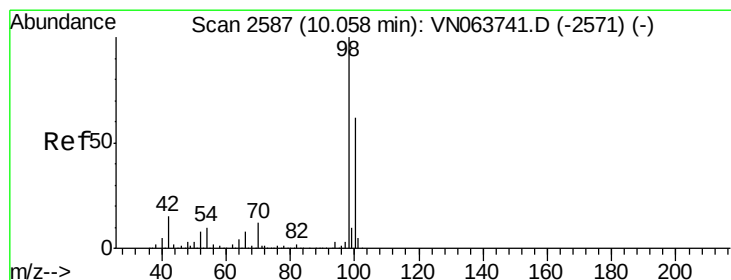
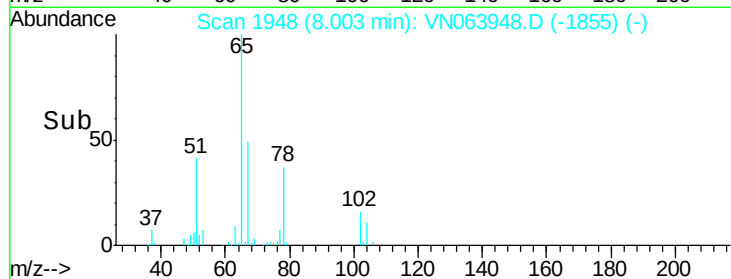
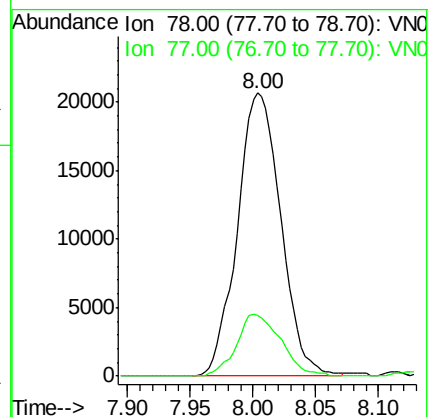
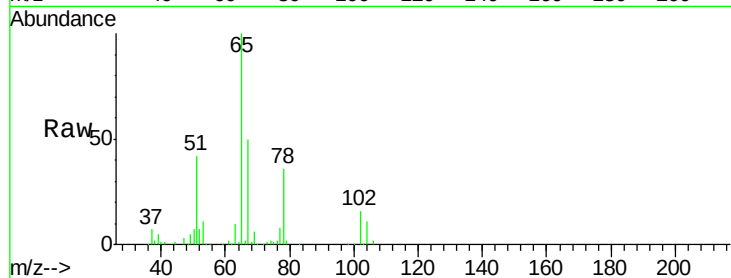
MW-06

Tot Ion: 78 Resp: 49769

Ion Ratio Lower Upper

78 100

77 21.4 18.7 28.1



#50

Toluene-d8

Concen: 49.509 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063948.D

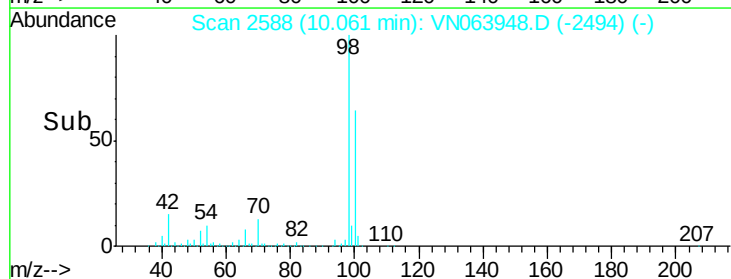
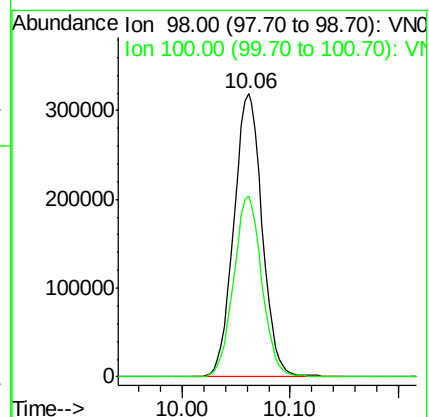
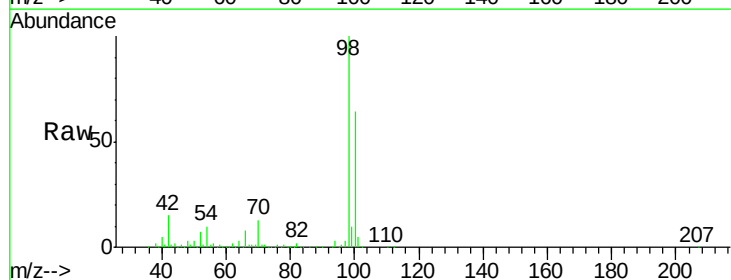
Acq: 7 Oct 2020 17:19

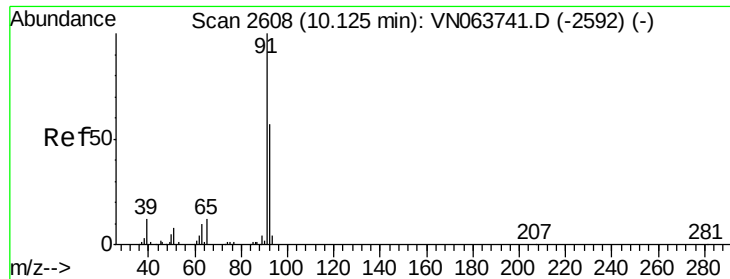
Tgt Ion: 98 Resp: 585009

Ion Ratio Lower Upper

98 100

100 63.3 49.8 74.6





#52

Toluene

Concen: 0.329 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN063948.D

Acq: 7 Oct 2020 17:19

Instrument :

MSVOA_N

ClientSampleId :

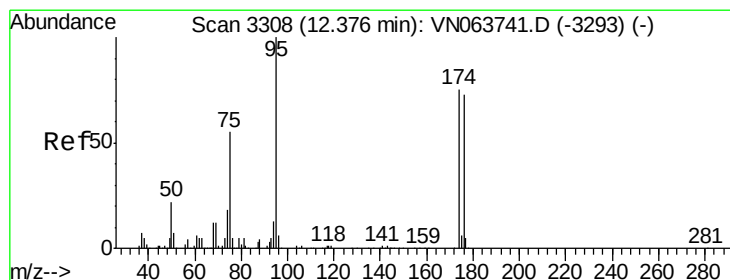
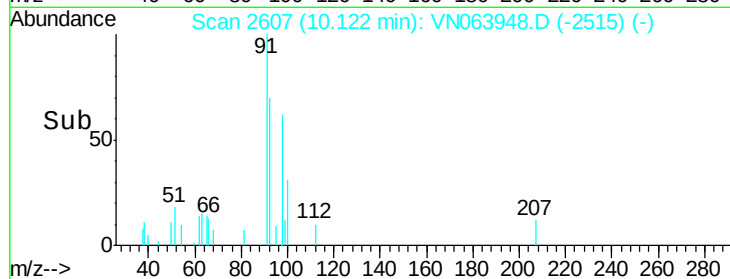
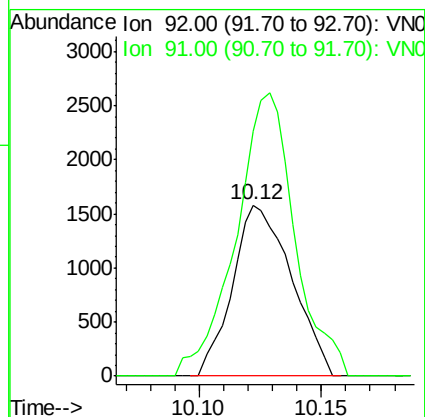
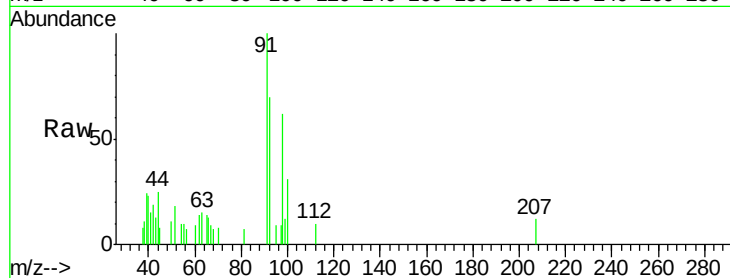
MW-06

Tot Ion: 92 Resp: 2648

Ion Ratio Lower Upper

92 100

91 165.1 140.6 210.8



#62

4-Bromofluorobenzene

Concen: 52.258 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063948.D

Acq: 7 Oct 2020 17:19

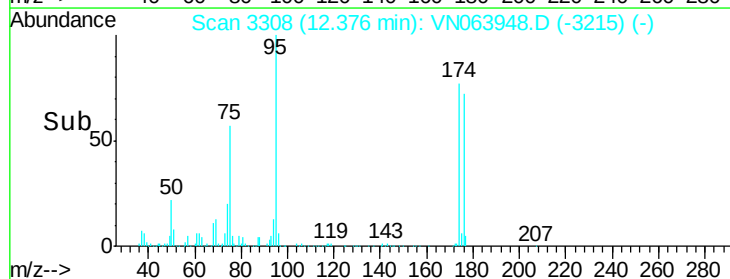
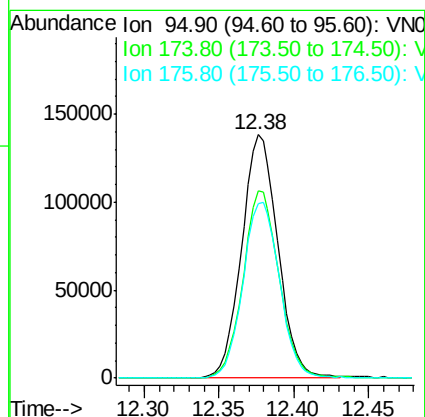
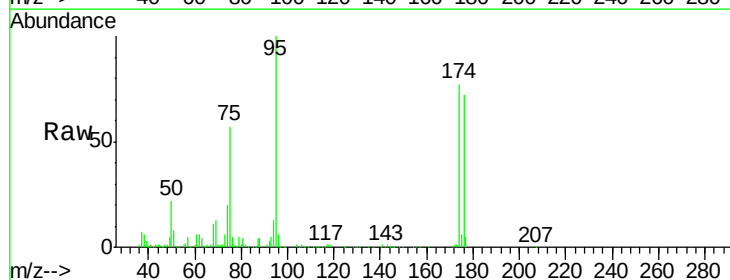
Tgt Ion: 95 Resp: 232124

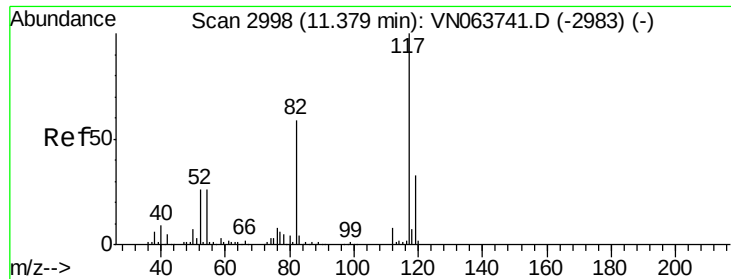
Ion Ratio Lower Upper

95 100

174 76.9 0.0 150.6

176 73.4 0.0 145.4

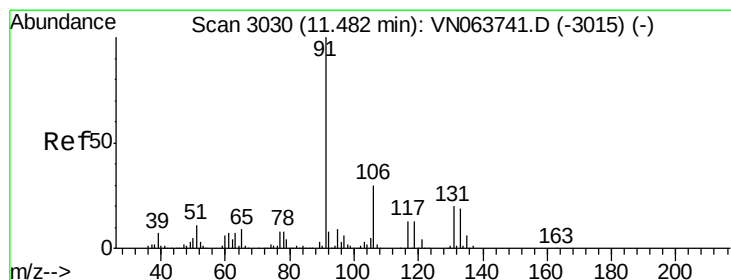
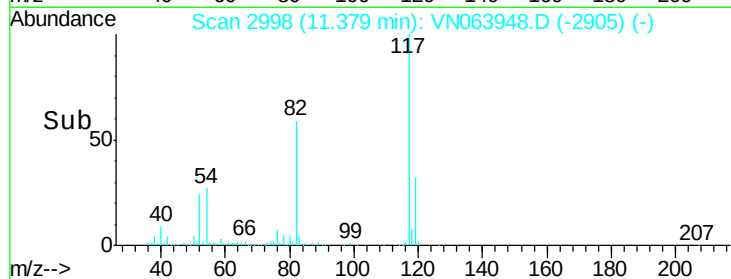
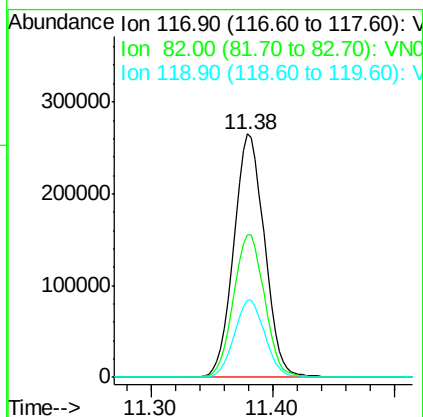
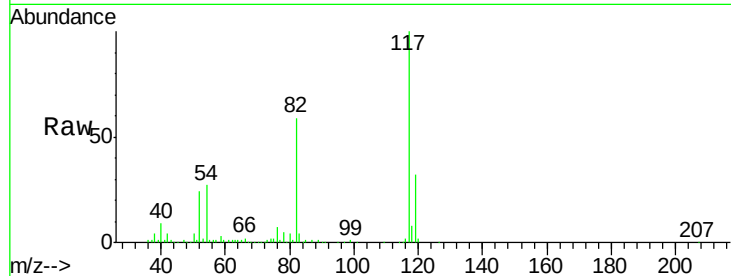




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063948.D
Acq: 7 Oct 2020 17:19

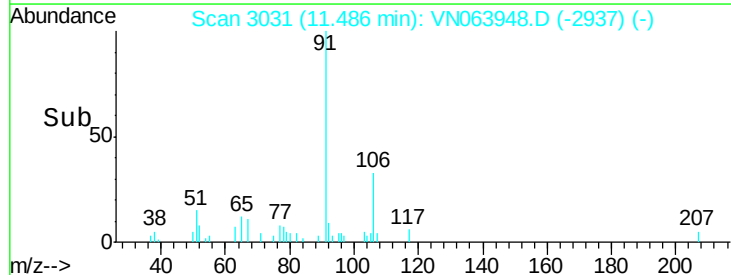
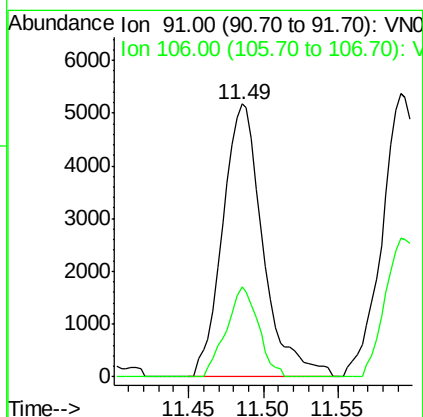
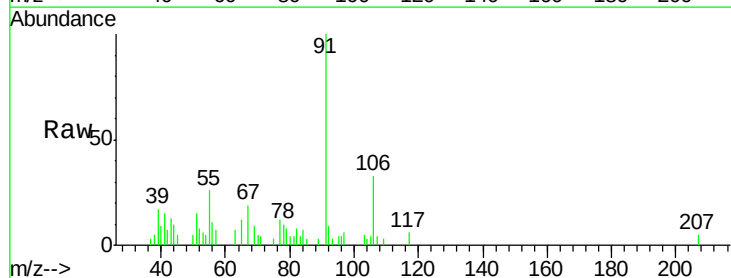
Instrument :
MSVOA_N
ClientSampled :
MW-06

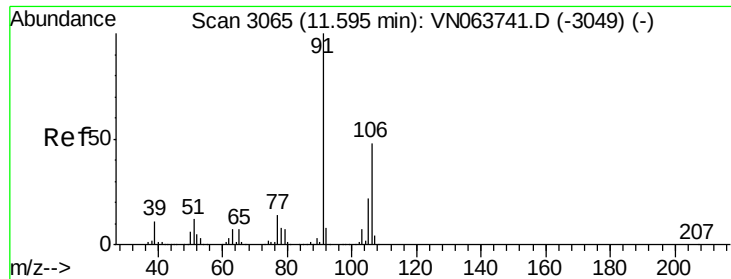
Tot Ion:117 Resp: 463709
Ion Ratio Lower Upper
117 100
82 58.7 47.4 71.2
119 31.9 26.4 39.6



#67
Ethyl Benzene
Concen: 0.561 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063948.D
Acq: 7 Oct 2020 17:19

Tgt Ion: 91 Resp: 9707
Ion Ratio Lower Upper
91 100
106 33.0 24.2 36.2

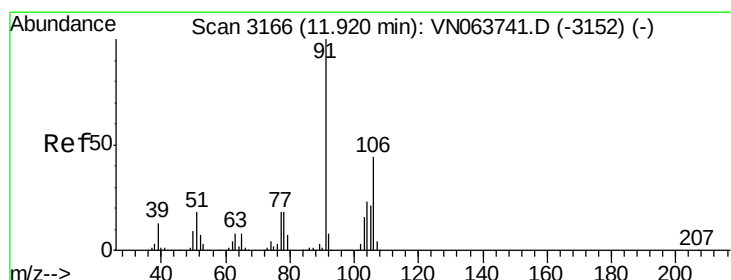
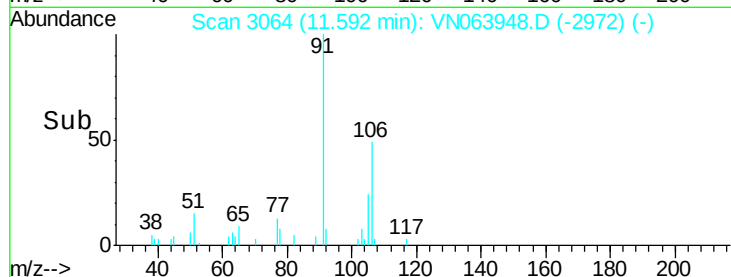
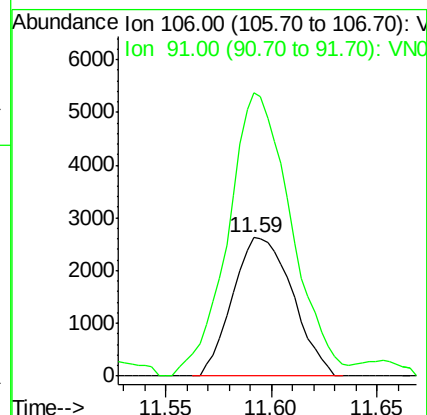
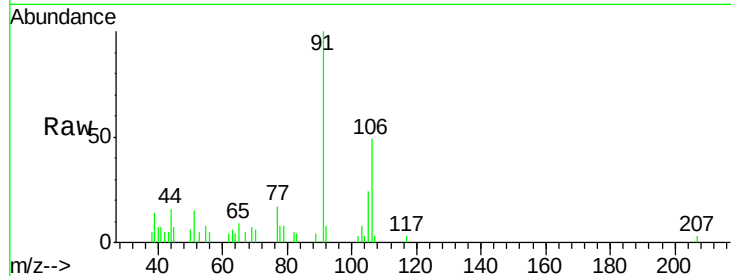




#68
m/p-Xylenes
Concen: 0.803 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN063948.D
Acq: 7 Oct 2020 17:19

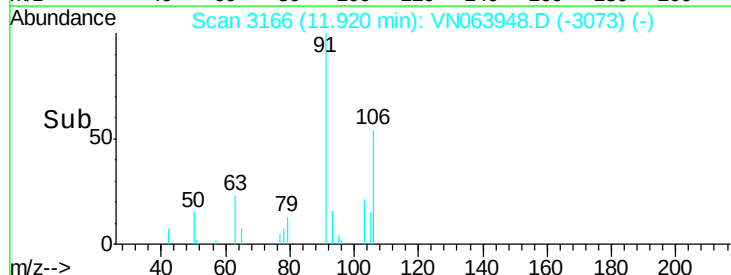
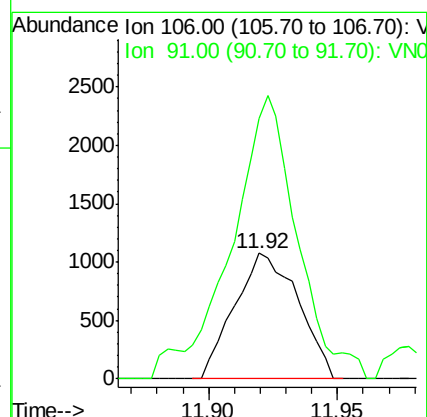
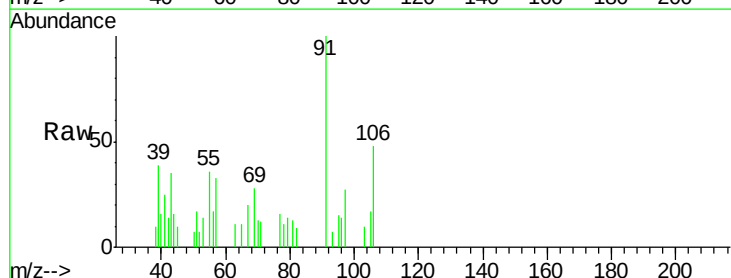
Instrument :
MSVOA_N
ClientSampled :
MW-06

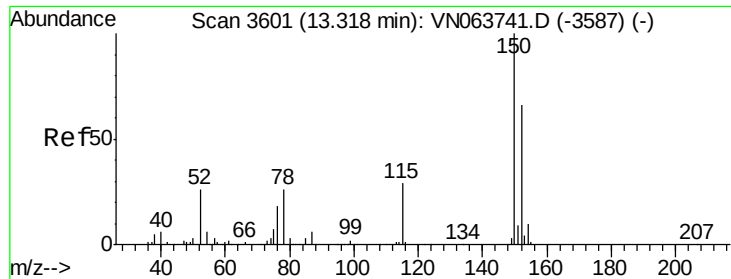
Tot Ion:106 Resp: 5178
Ion Ratio Lower Upper
106 100
91 215.6 168.0 252.0



#69
o-Xylene
Concen: 0.307 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN063948.D
Acq: 7 Oct 2020 17:19

Tgt Ion:106 Resp: 1850
Ion Ratio Lower Upper
106 100
91 232.8 112.7 338.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063948.D

Acq: 7 Oct 2020 17:19

Instrument :

MSVOA_N

ClientSampled :

MW-06

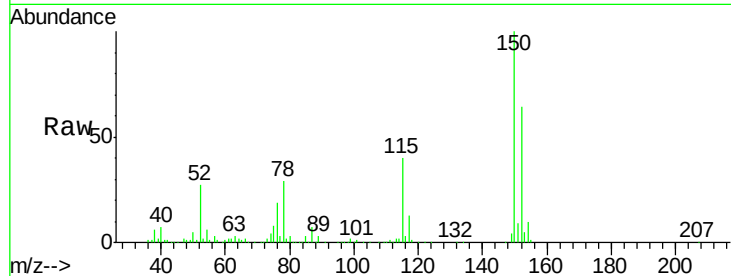
Tot Ion:152 Resp: 200252

Ion Ratio Lower Upper

152 100

115 62.2 31.3 93.8

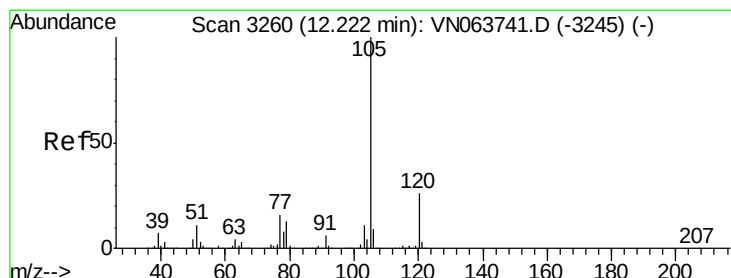
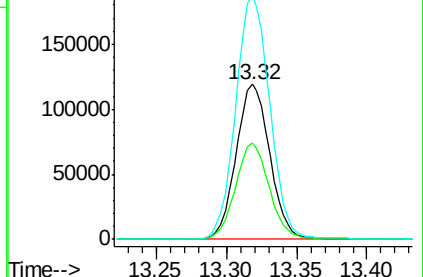
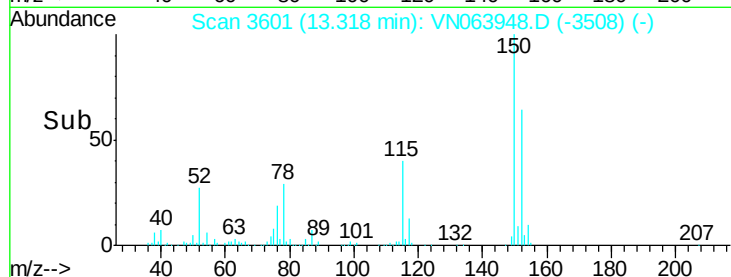
150 159.0 0.0 341.8



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: 10.862 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063948.D

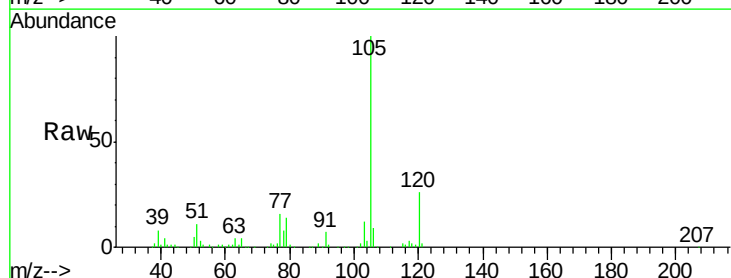
Acq: 7 Oct 2020 17:19

Tgt Ion:105 Resp: 158653

Ion Ratio Lower Upper

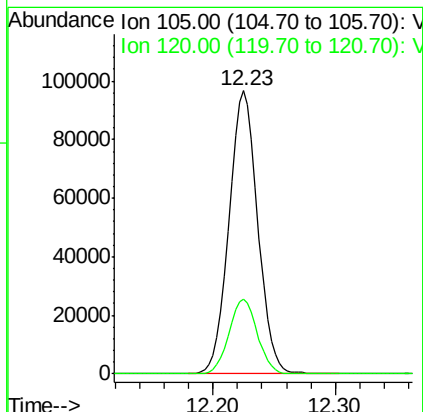
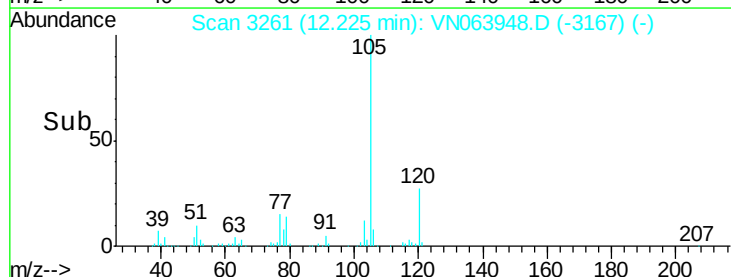
105 100

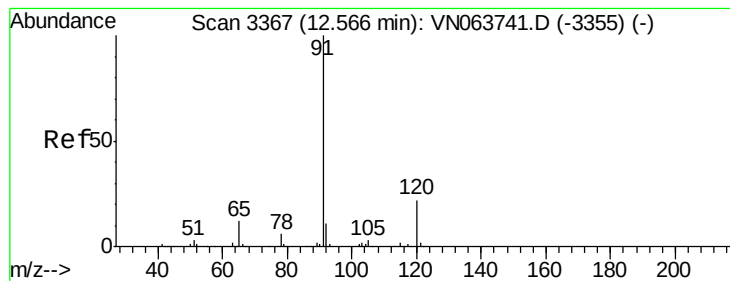
120 26.1 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 23.549 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063948.D

Acq: 7 Oct 2020 17:19

Instrument :

MSVOA_N

ClientSampled :

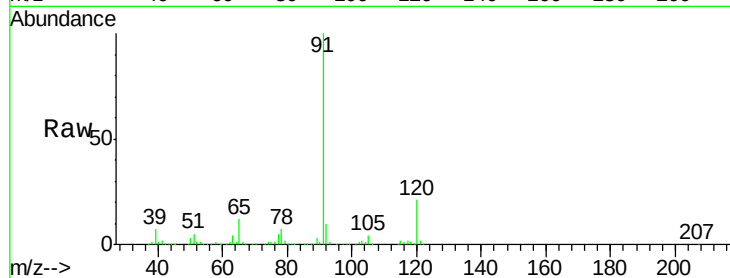
MW-06

Tot Ion: 91 Resp: 400301

Ion Ratio Lower Upper

91 100

120 21.4 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN063741.D (-3355) (-)

Ion 120.00 (119.70 to 120.70): VN063741.D (-3355) (-)

12.57

250000

200000

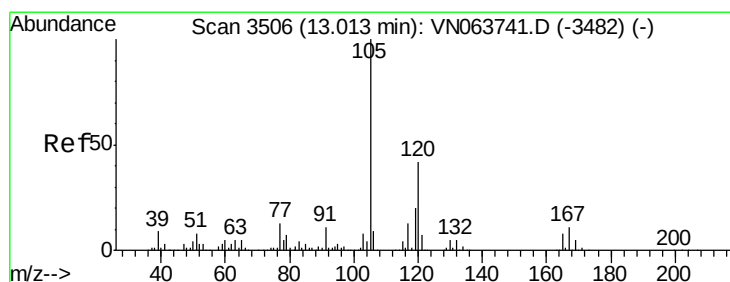
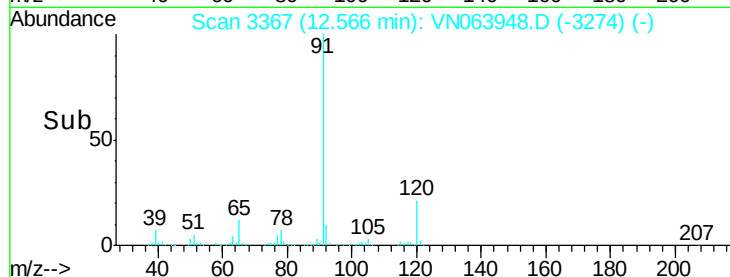
150000

100000

50000

0

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 0.466 ug/l

RT: 13.02 min Scan# 3507

Delta R.T. 0.00 min

Lab File: VN063948.D

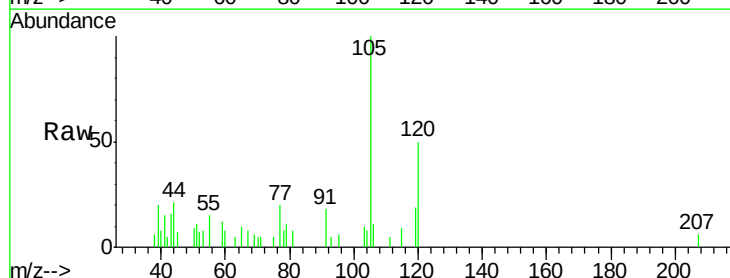
Acq: 7 Oct 2020 17:19

Tgt Ion: 105 Resp: 5705

Ion Ratio Lower Upper

105 100

120 43.5 20.9 62.7



Abundance Ion 105.00 (104.70 to 105.70): VN063741.D (-3482) (-)

Ion 120.00 (119.70 to 120.70): VN063741.D (-3482) (-)

13.02

4000

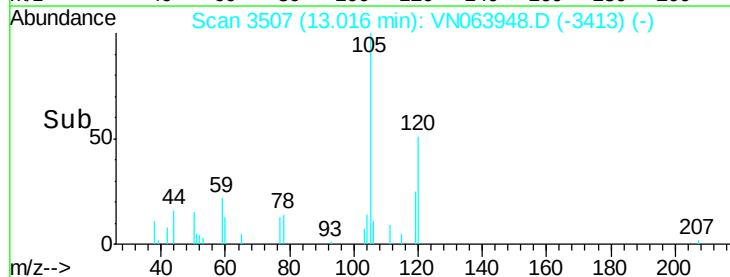
3000

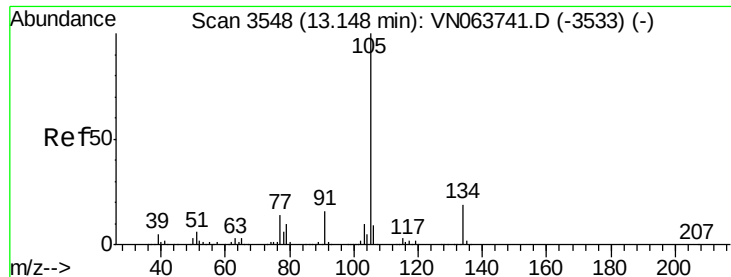
2000

1000

0

Time-->





#85

sec-Butylbenzene

Concen: 2.114 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN063948.D

Acq: 7 Oct 2020 17:19

Instrument :

MSVOA_N

ClientSampleId :

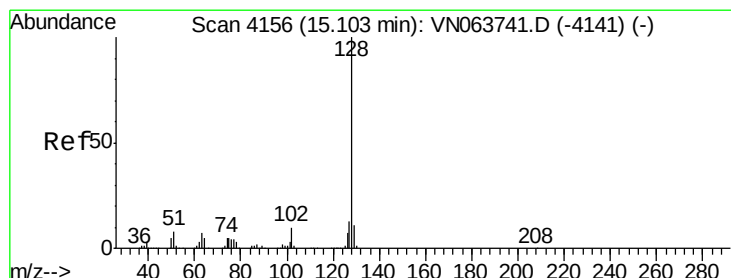
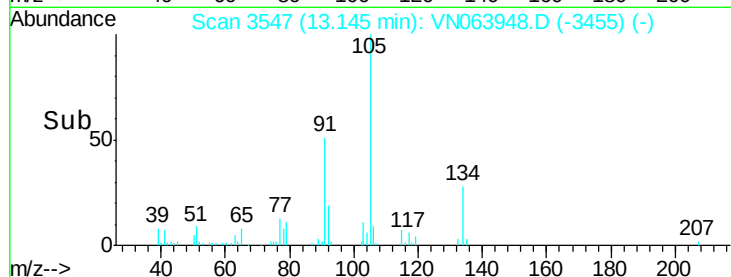
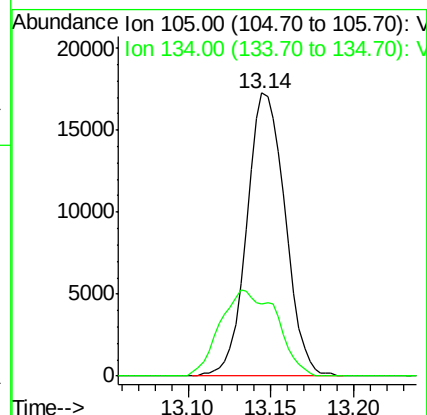
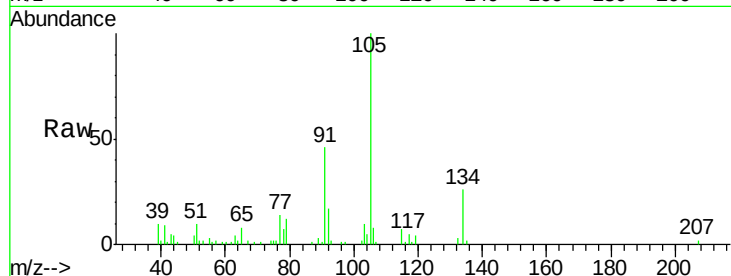
MW-06

Tot Ion:105 Resp: 27837

Ion Ratio Lower Upper

105 100

134 45.0 9.5 28.5#



#95

Naphthalene

Concen: 14.598 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063948.D

Acq: 7 Oct 2020 17:19

Tgt Ion:128 Resp: 142419

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

129 11.1 8.7 13.1

