

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111620\
 Data File : VN064656.D
 Acq On : 16 Nov 2020 12:26
 Operator : JC/MD
 Sample : L4682-02
 Misc : 5.63g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3R(17-20FT)

Quant Time: Nov 19 11:59:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	212196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	427702	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	465539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	269338	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	210092	56.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.68%	
35) Dibromofluoromethane	7.55	113	149045	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
50) Toluene-d8	10.06	98	552332	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
62) 4-Bromofluorobenzene	12.38	95	286905	67.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	134.80%	

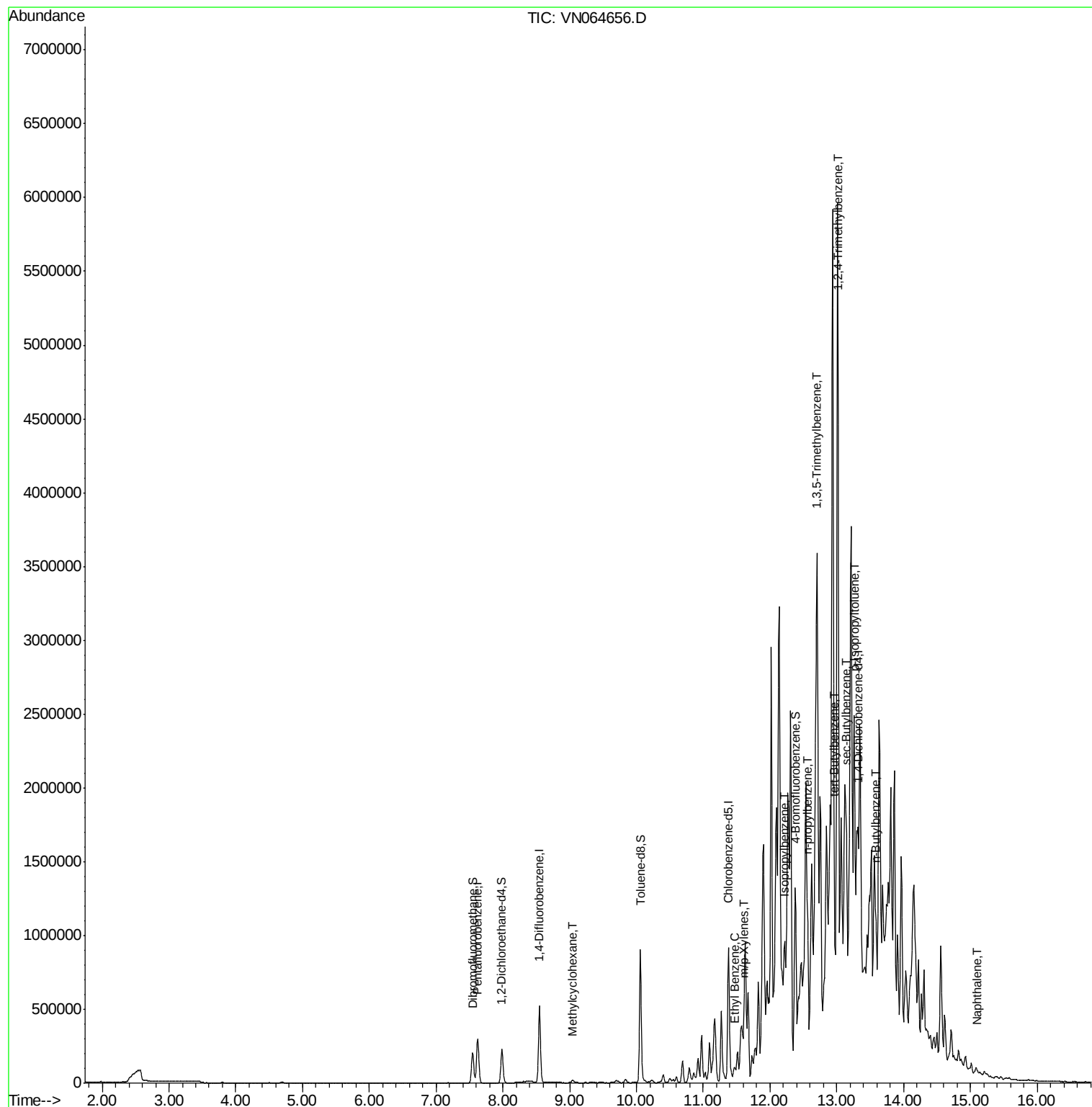
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Methylcyclohexane	9.05	83	5664	1.398	ug/l	90
67) Ethyl Benzene	11.48	91	31988	1.762	ug/l	95
68) m/p-Xylenes	11.60	106	57360	8.713	ug/l	98
73) Isopropylbenzene	12.22	105	199882	9.337	ug/l	99
78) n-propylbenzene	12.57	91	613182	25.124	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	328308	18.590	ug/l	99
83) tert-Butylbenzene	12.97	119	49381	3.580	ug/l	88
84) 1,2,4-Trimethylbenzene	13.01	105	2650757	149.305	ug/l	100
85) sec-Butylbenzene	13.14	105	376635	21.560	ug/l #	71
86) p-Isopropyltoluene	13.26	119	222776	14.178	ug/l	99
89) n-Butylbenzene	13.59	91	356511	26.389	ug/l #	76
95) Naphthalene	15.11	128	16889	4.683	ug/l #	89

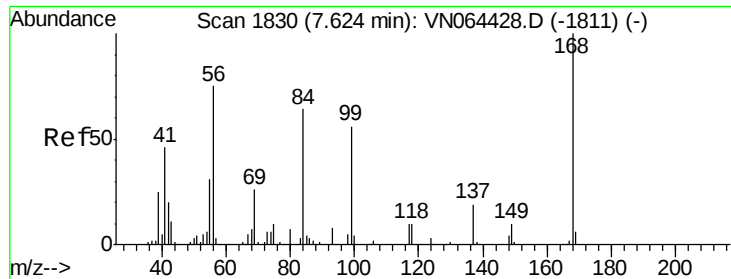
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064656.D

Acq: 16 Nov 2020 12:26

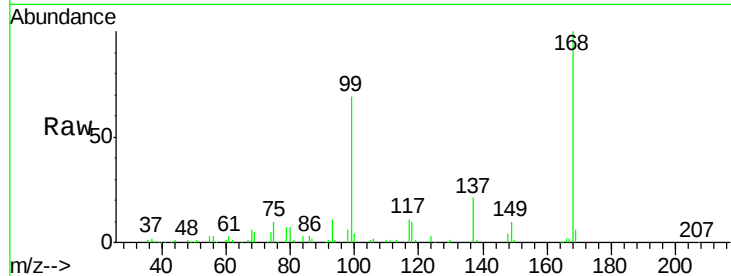
Instrument :
MSVOA_N
ClientSampleId :
MW-3R(17-20FT)

Tgt Ion: 168 Resp: 212196

Ion Ratio Lower Upper

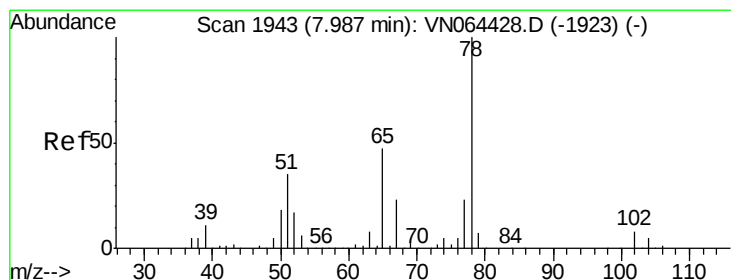
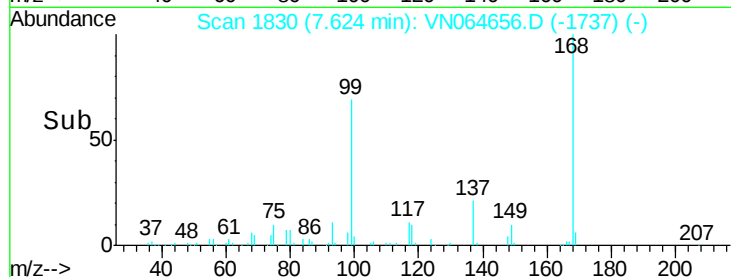
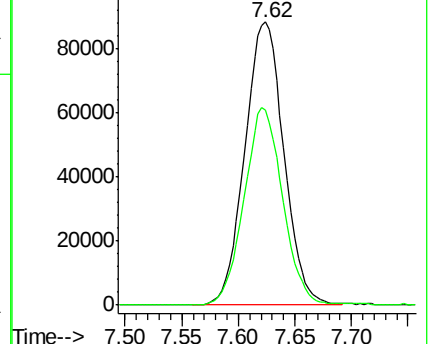
168 100

99 68.7 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 56.841 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064656.D

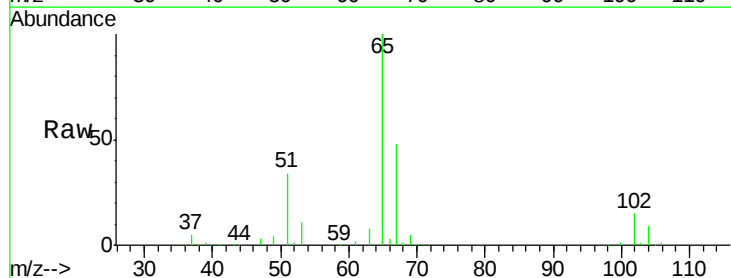
Acq: 16 Nov 2020 12:26

Tgt Ion: 65 Resp: 210092

Ion Ratio Lower Upper

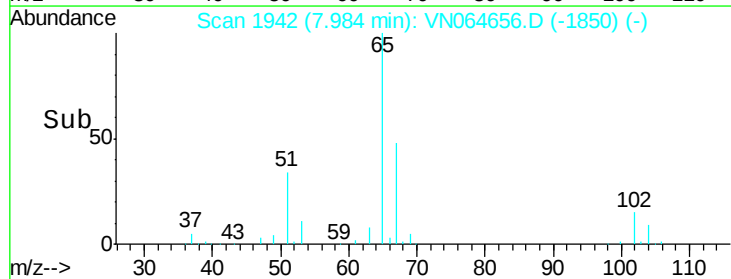
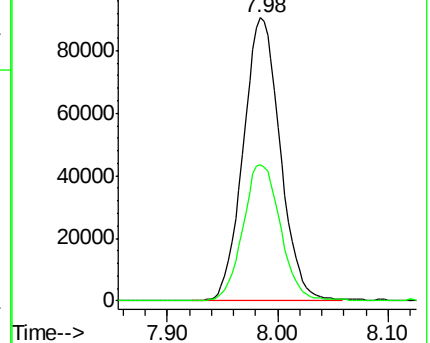
65 100

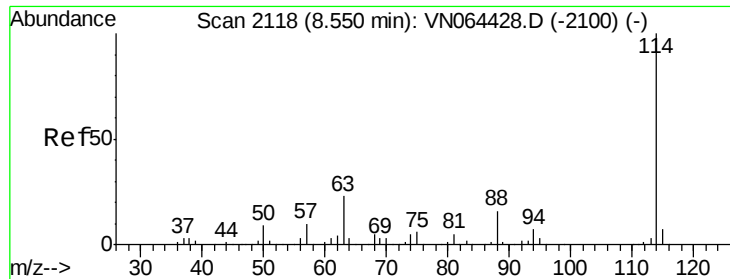
67 49.0 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

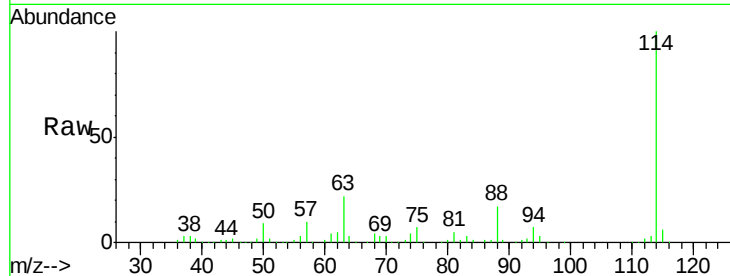




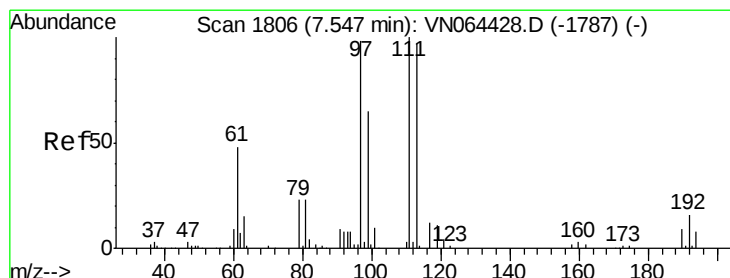
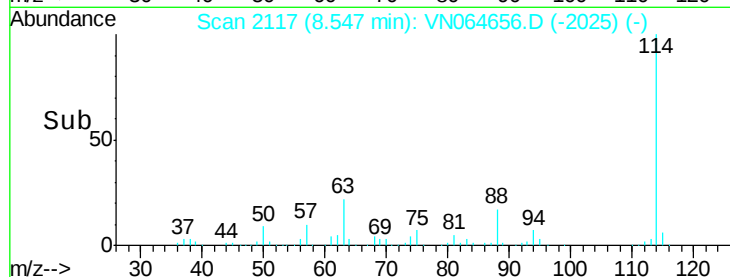
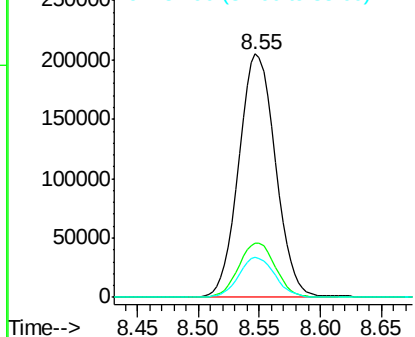
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2117
Delta R.T. -0.00 min
Lab File: VN064656.D
Acq: 16 Nov 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
MW-3R(17-20FT)

Tgt Ion:114 Resp: 427702
Ion Ratio Lower Upper
114 100
63 22.1 0.0 45.6
88 16.7 0.0 32.8

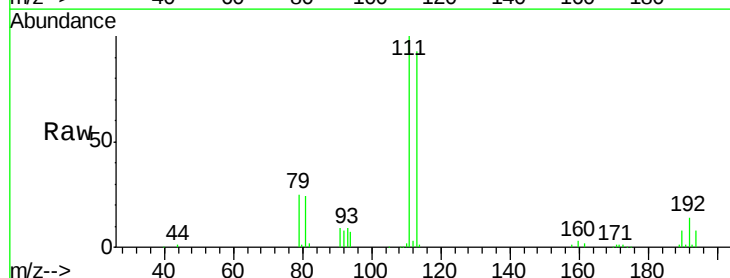


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

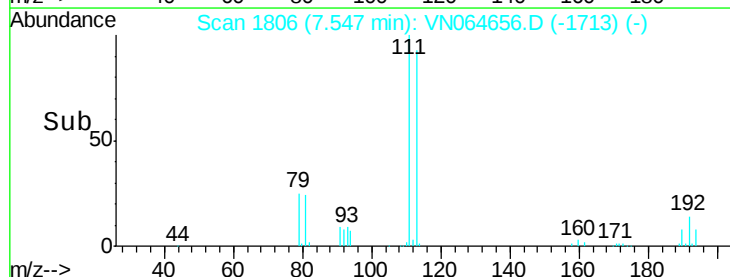
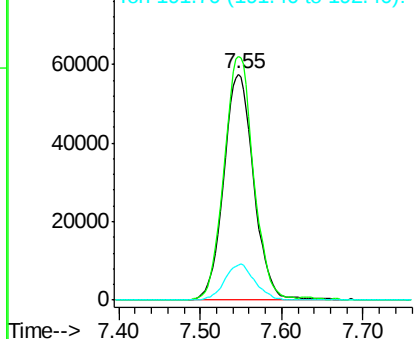


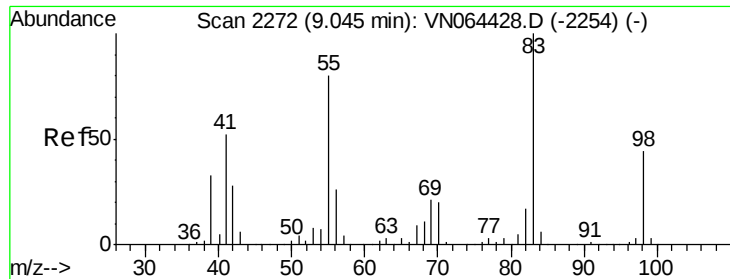
#35
Dibromofluoromethane
Concen: 51.182 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN064656.D
Acq: 16 Nov 2020 12:26

Tgt Ion:113 Resp: 149045
Ion Ratio Lower Upper
113 100
111 105.6 81.1 121.7
192 15.9 12.8 19.2



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

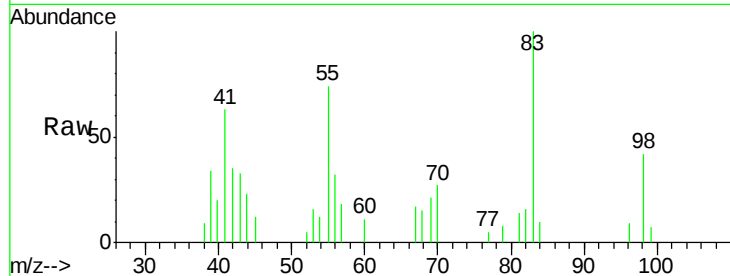




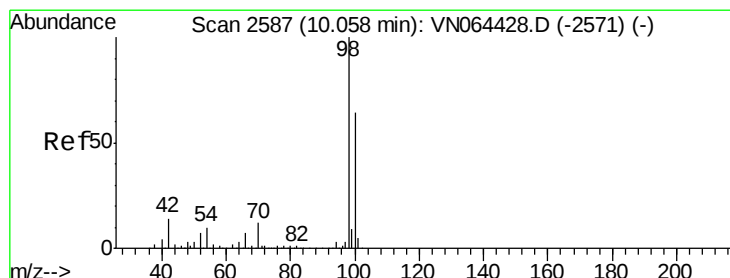
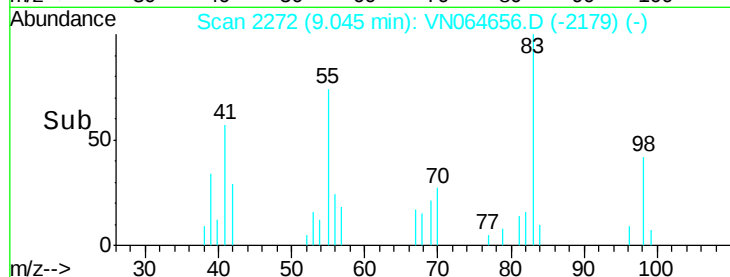
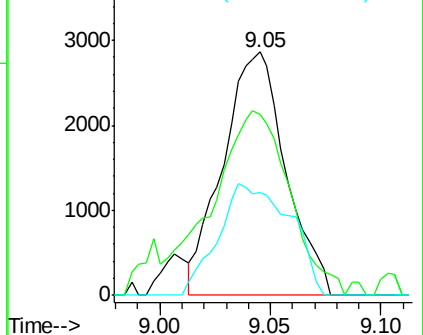
#39
Methylcyclohexane
Concen: 1.398 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064656.D
Acq: 16 Nov 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
MW-3R(17-20FT)

Tgt Ion: 83 Resp: 5664
Ion Ratio Lower Upper
83 100
55 67.0 63.8 95.6
98 42.3 35.4 53.2

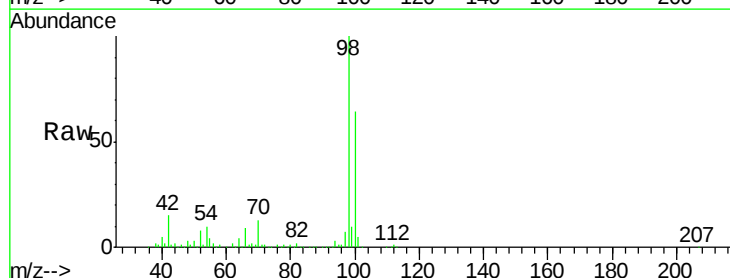


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

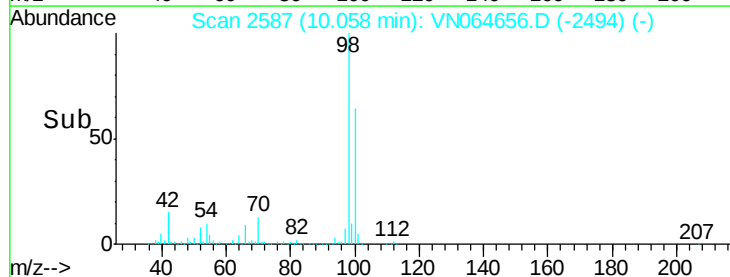
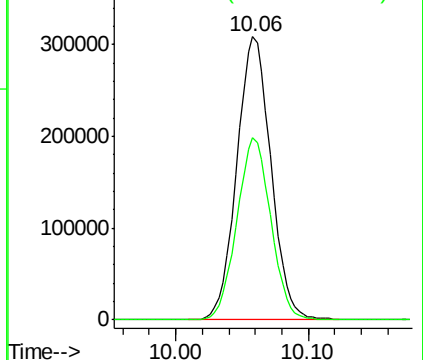


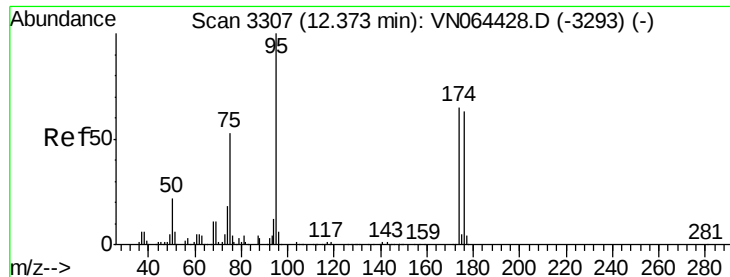
#50
Toluene-d8
Concen: 49.074 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064656.D
Acq: 16 Nov 2020 12:26

Tgt Ion: 98 Resp: 552332
Ion Ratio Lower Upper
98 100
100 64.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 67.403 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064656.D

Acq: 16 Nov 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

MW-3R(17-20FT)

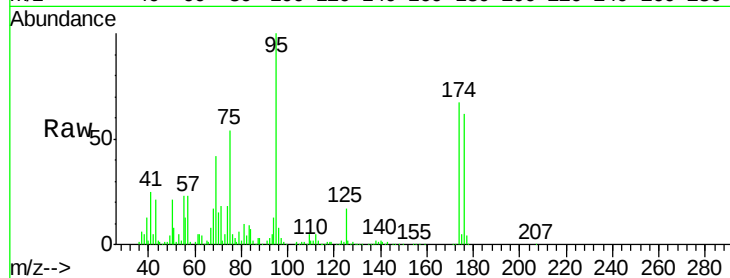
Tgt Ion: 95 Resp: 286905

Ion Ratio Lower Upper

95 100

174 66.1 0.0 132.6

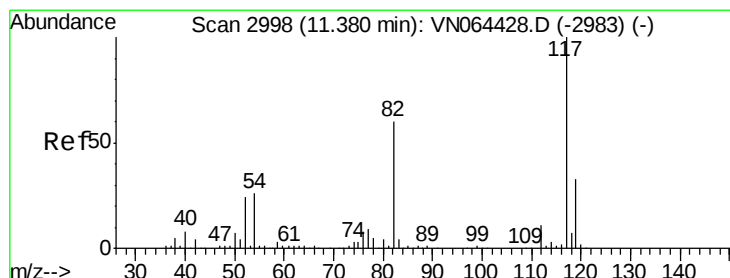
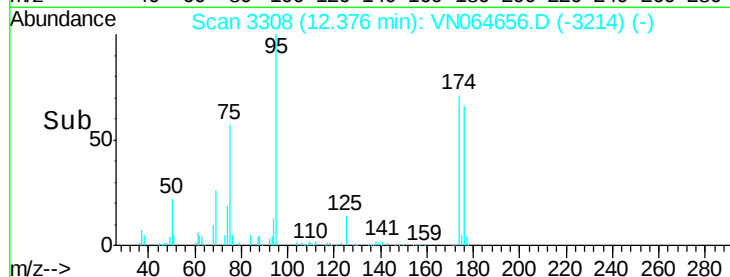
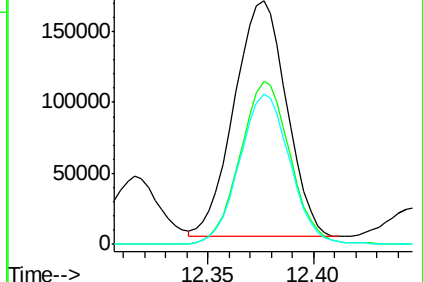
176 61.5 0.0 129.2



Abundance Ion 94.90 (94.60 to 95.60): VN064428.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN064428.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN064428.D (-3293) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN064656.D

Acq: 16 Nov 2020 12:26

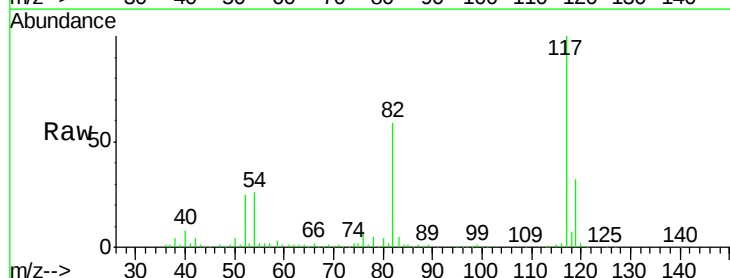
Tgt Ion: 117 Resp: 465539

Ion Ratio Lower Upper

117 100

82 58.4 48.1 72.1

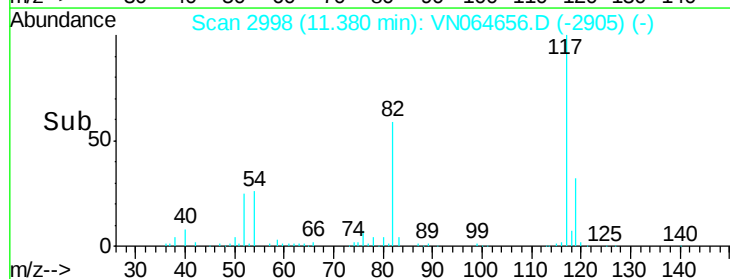
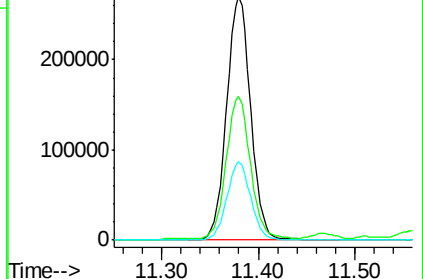
119 32.2 26.2 39.4

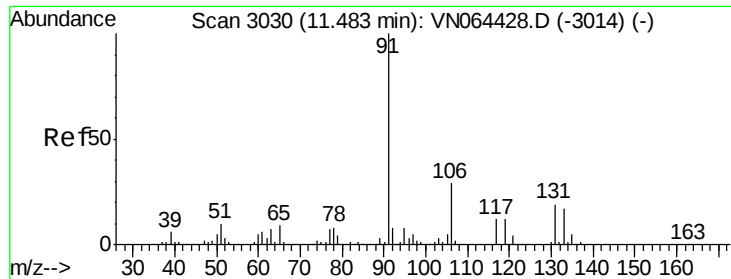


Abundance Ion 116.90 (116.60 to 117.60): VN064428.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN064428.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN064428.D (-2983) (-)

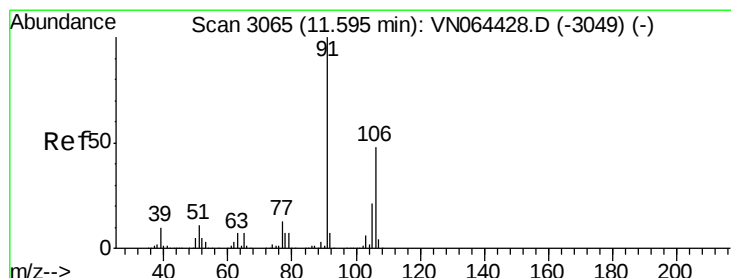
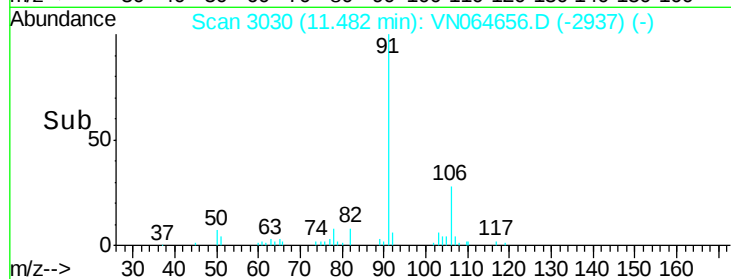
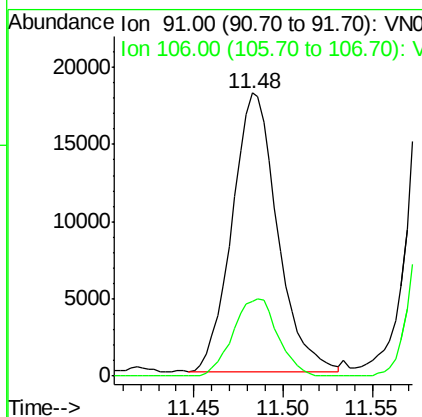
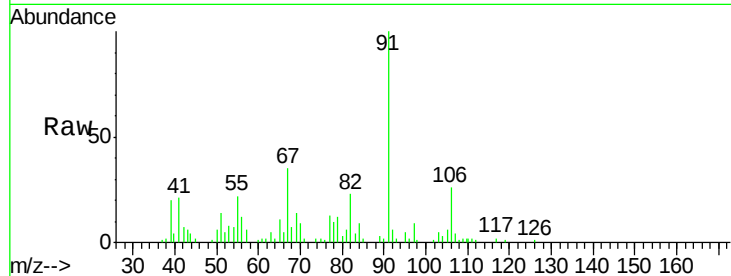




#67
Ethyl Benzene
Concen: 1.762 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064656.D
Acq: 16 Nov 2020 12:26

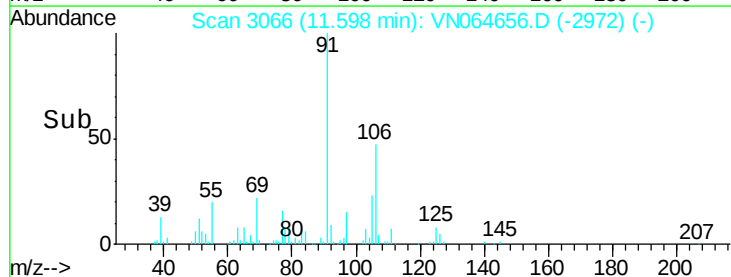
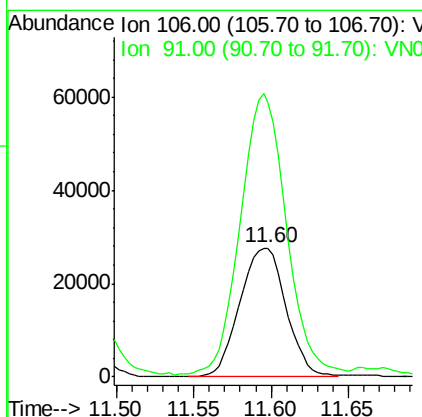
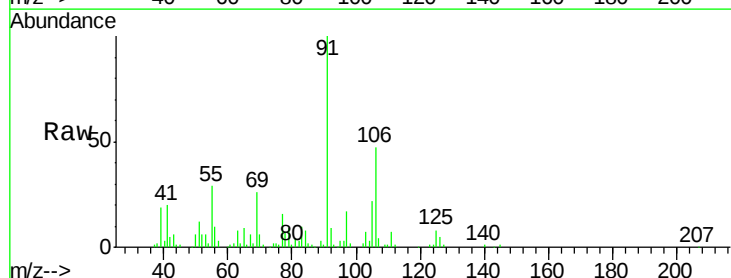
Instrument :
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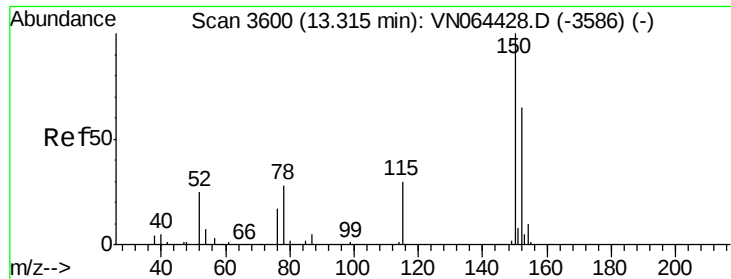
Tgt Ion: 91 Resp: 31988
Ion Ratio Lower Upper
91 100
106 26.9 23.6 35.4



#68
m/p-Xylenes
Concen: 8.713 ug/l
RT: 11.60 min Scan# 3066
Delta R.T. 0.00 min
Lab File: VN064656.D
Acq: 16 Nov 2020 12:26

Tgt Ion: 106 Resp: 57360
Ion Ratio Lower Upper
106 100
91 215.6 169.4 254.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064656.D

Acq: 16 Nov 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

MW-3R(17-20FT)

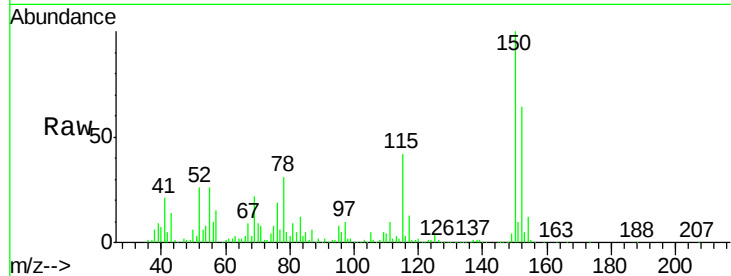
Tgt Ion:152 Resp: 269338

Ion Ratio Lower Upper

152 100

115 75.3 32.0 96.0

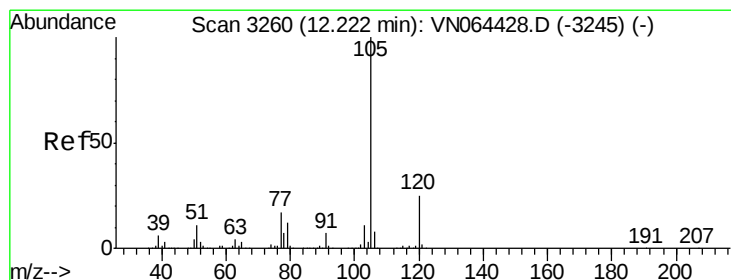
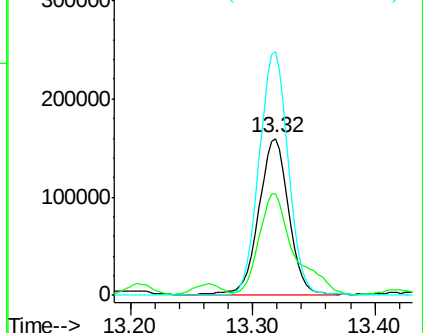
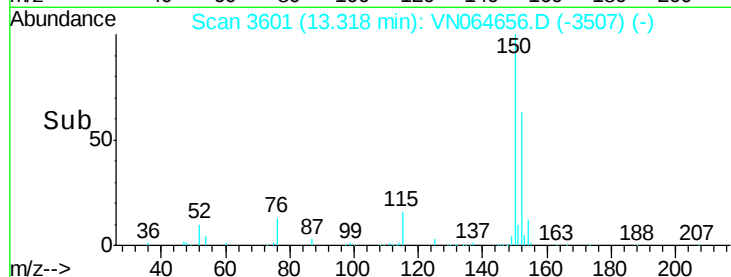
150 152.3 0.0 353.8



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: 9.337 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064656.D

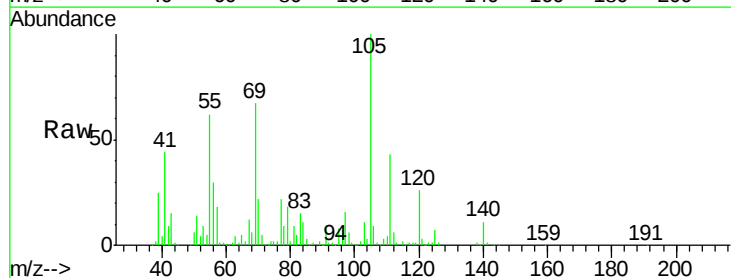
Acq: 16 Nov 2020 12:26

Tgt Ion:105 Resp: 199882

Ion Ratio Lower Upper

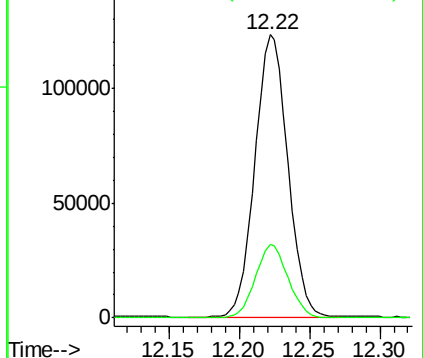
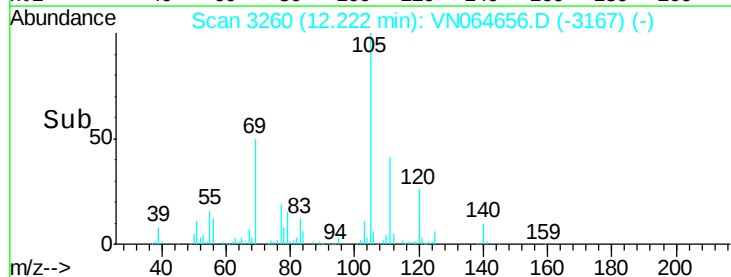
105 100

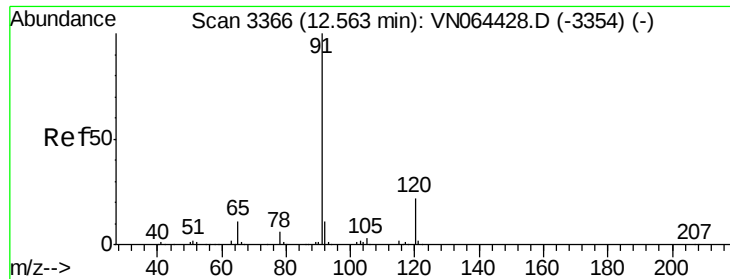
120 25.9 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 25.124 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064656.D

Acq: 16 Nov 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

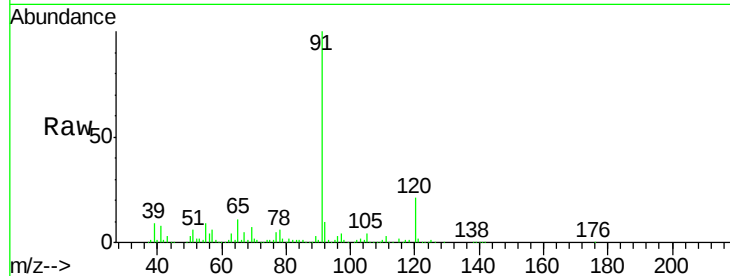
MW-3R(17-20FT)

Tgt Ion: 91 Resp: 613182

Ion Ratio Lower Upper

91 100

120 21.7 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN064428.D (-3354) (-)

Ion 120.00 (119.70 to 120.70): VN064428.D (-3354) (-)

12.57

400000

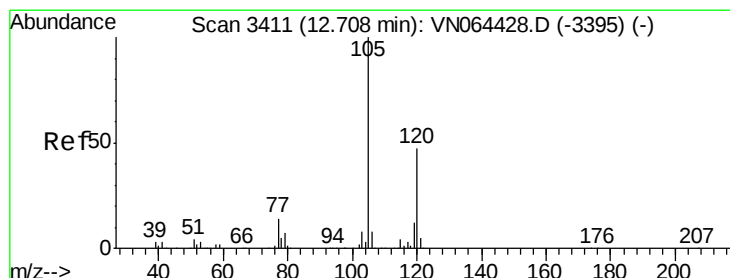
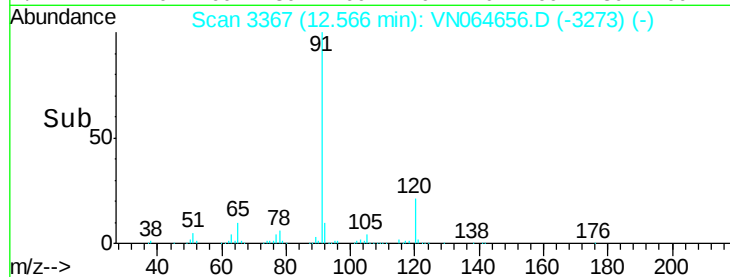
300000

200000

100000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.590 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064656.D

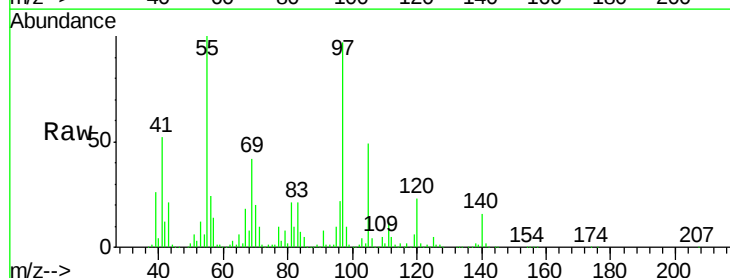
Acq: 16 Nov 2020 12:26

Tgt Ion: 105 Resp: 328308

Ion Ratio Lower Upper

105 100

120 47.4 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN064428.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN064428.D (-3395) (-)

12.71

250000

200000

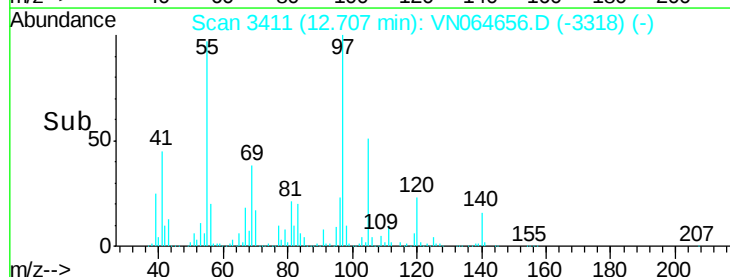
150000

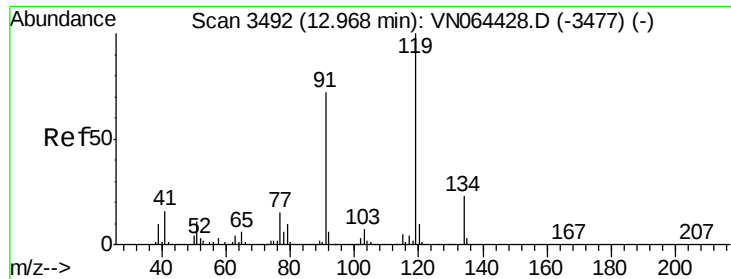
100000

50000

0

Time-->

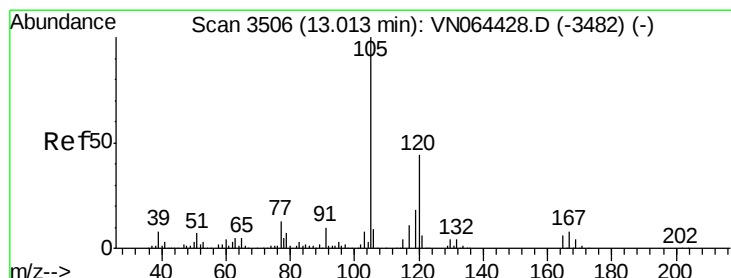
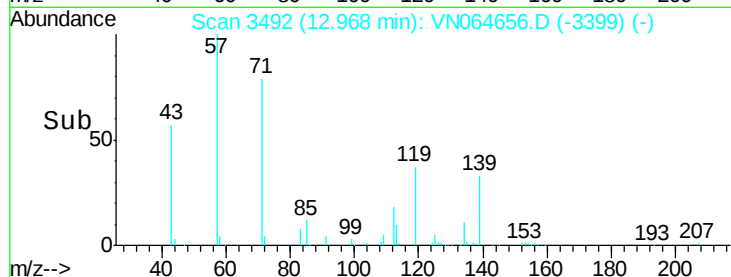
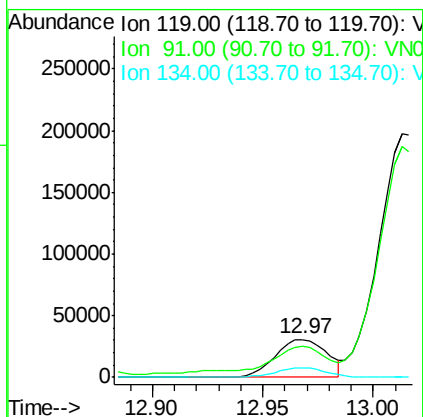
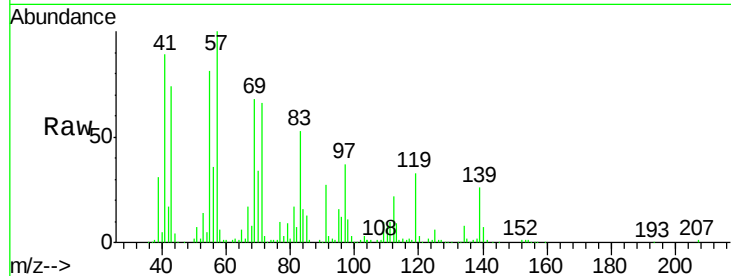




#83
 tert-Butylbenzene
 Concen: 3.580 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064656.D
 Acq: 16 Nov 2020 12:26

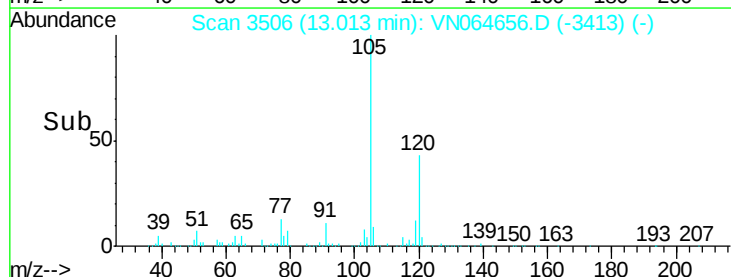
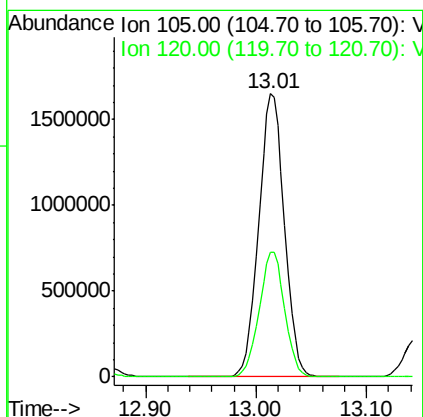
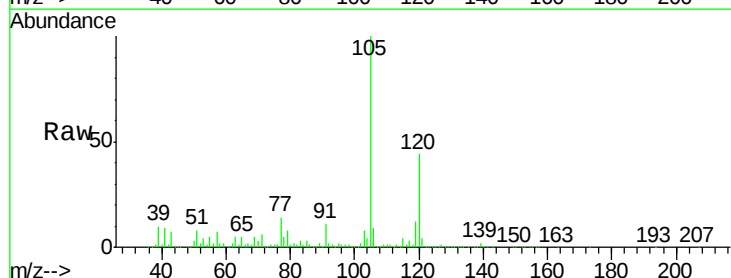
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3R(17-20FT)

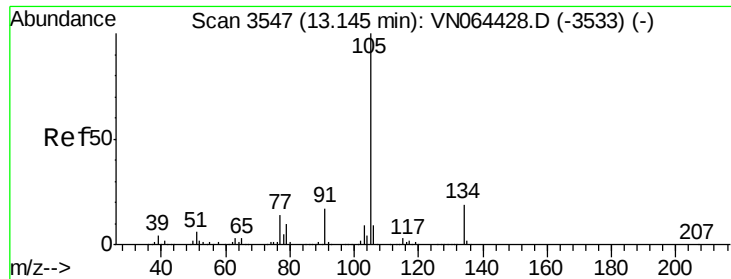
Tgt Ion:119 Resp: 49381
 Ion Ratio Lower Upper
 119 100
 91 59.7 36.1 108.3
 134 25.4 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 149.305 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064656.D
 Acq: 16 Nov 2020 12:26

Tgt Ion:105 Resp: 2650757
 Ion Ratio Lower Upper
 105 100
 120 43.8 21.9 65.7





#85

sec-Butylbenzene

Concen: 21.560 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064656.D

Acq: 16 Nov 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

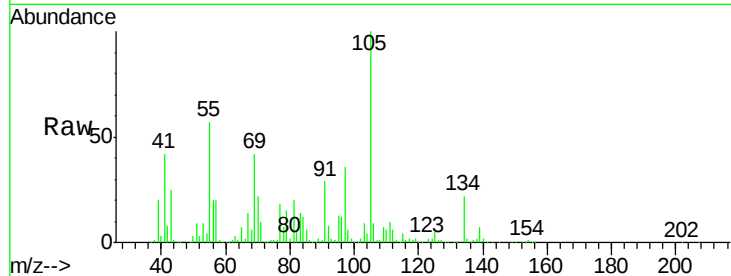
MW-3R(17-20FT)

Tgt Ion:105 Resp: 376635

Ion Ratio Lower Upper

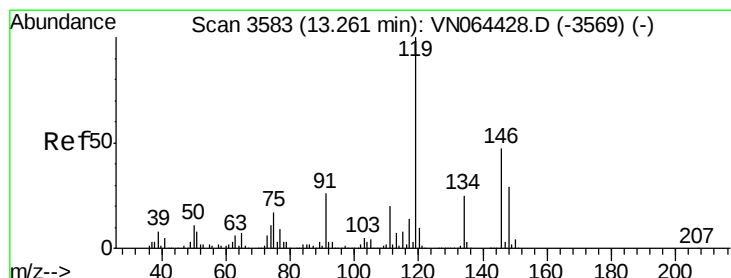
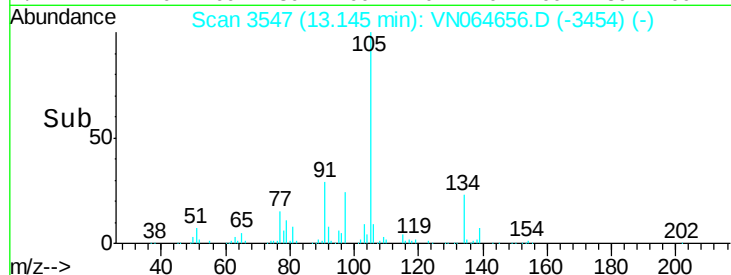
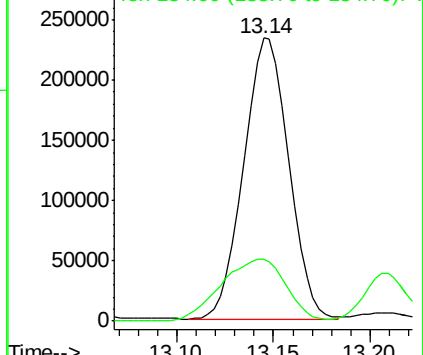
105 100

134 31.9 9.4 28.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 14.178 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064656.D

Acq: 16 Nov 2020 12:26

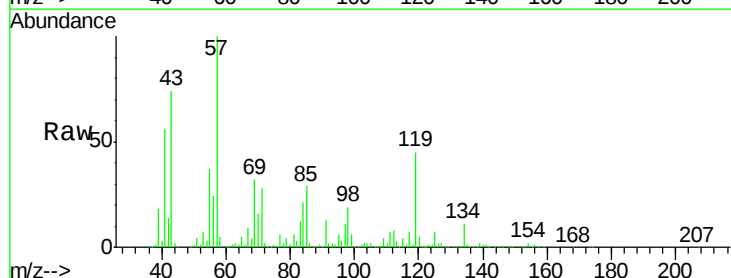
Tgt Ion:119 Resp: 222776

Ion Ratio Lower Upper

119 100

134 25.4 12.6 37.6

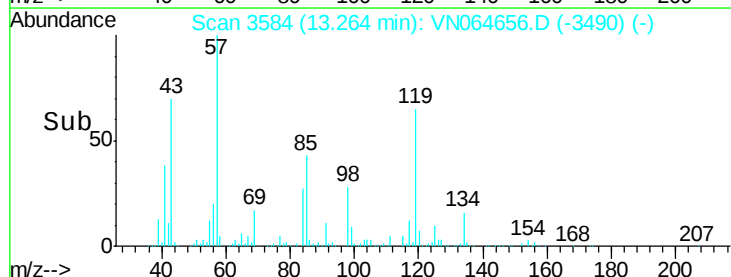
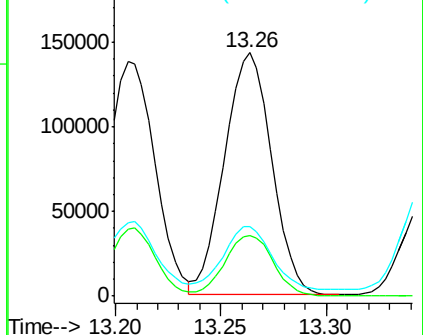
91 25.8 12.8 38.3

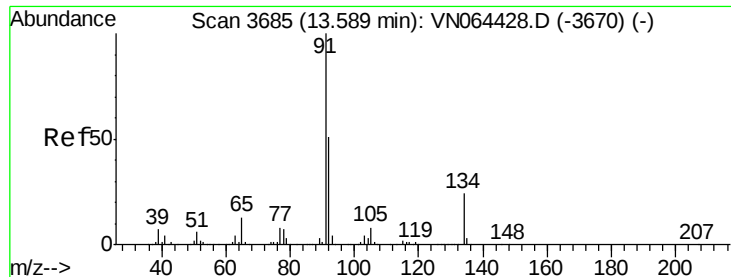


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

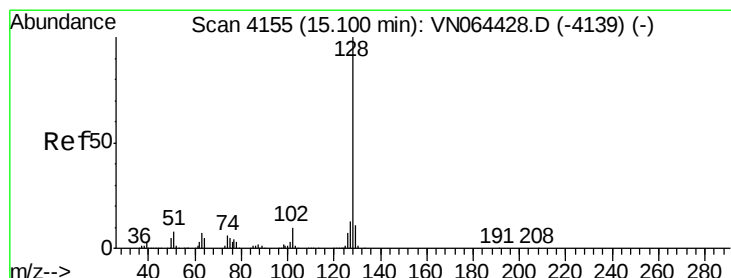
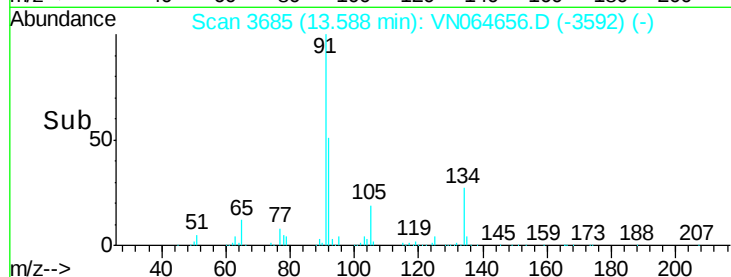
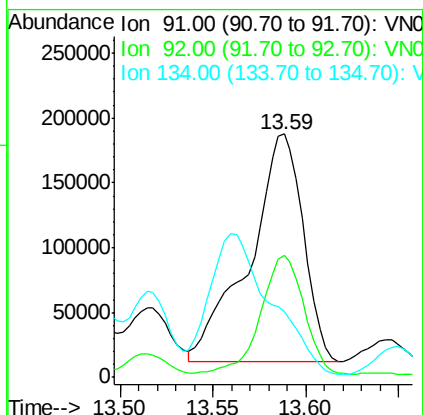
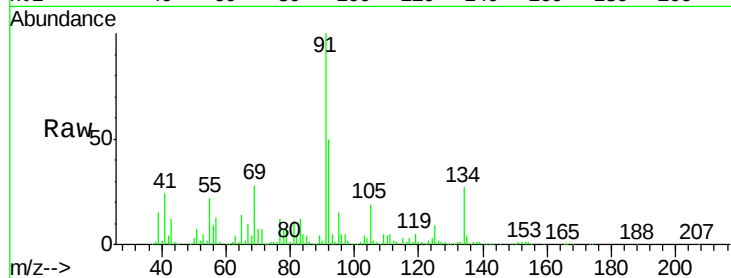




#89
n-Butylbenzene
Concen: 26.389 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064656.D
Acq: 16 Nov 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
MW-3R(17-20FT)

Tgt Ion: 91 Resp: 356511
Ion Ratio Lower Upper
91 100
92 42.1 25.3 75.9
134 0.0 11.8 35.4#



#95
Naphthalene
Concen: 4.683 ug/l
RT: 15.11 min Scan# 4157
Delta R.T. 0.01 min
Lab File: VN064656.D
Acq: 16 Nov 2020 12:26

Tgt Ion: 128 Resp: 16889
Ion Ratio Lower Upper
128 100
127 8.4 10.5 15.7#
129 7.3 8.8 13.2#

