

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111620\
 Data File : VN064666.D
 Acq On : 16 Nov 2020 17:36
 Operator : JC/MD
 Sample : L4772-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3R

Quant Time: Nov 17 05:01:28 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	7.63	168	235463	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	475474	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	526476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	294920	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	227772	55.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.08%	
35) Dibromofluoromethane	7.55	113	170685	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	
50) Toluene-d8	10.06	98	634759	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.38	95	299896	63.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.76%	

Target Compounds

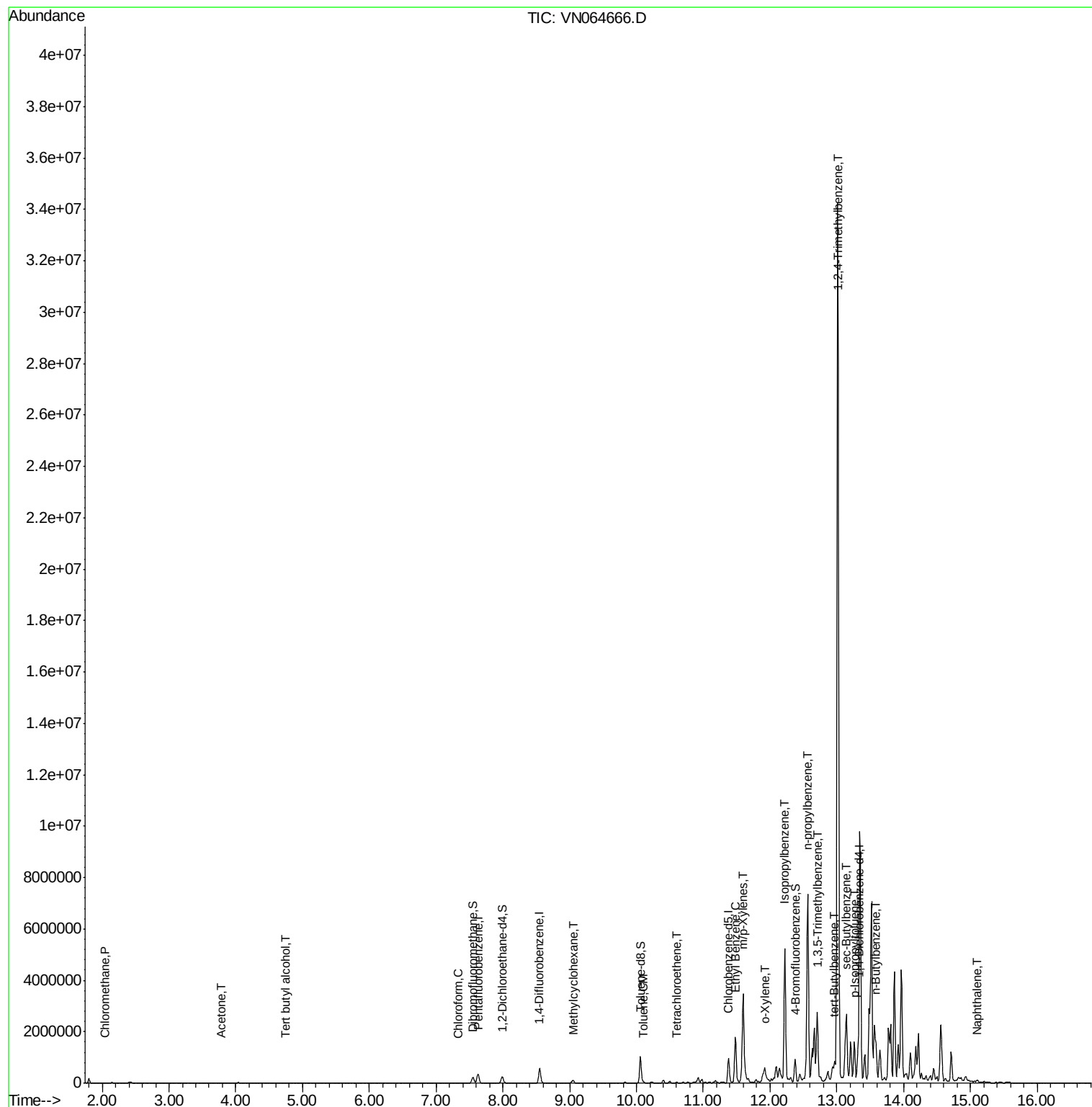
						Qvalue
3) Chloromethane	2.04	50	2063	0.554	ug/l #	88
11) Tert butyl alcohol	4.74	59	25559	56.509	ug/l #	79
16) Acetone	3.78	43	15221	9.743	ug/l	98
30) Chloroform	7.33	83	6959	1.152	ug/l	87
39) Methylcyclohexane	9.05	83	42781	9.501	ug/l	97
52) Toluene	10.12	92	4016	0.446	ug/l	90
64) Tetrachloroethene	10.60	164	2353	0.580	ug/l	87
67) Ethyl Benzene	11.48	91	1210924	58.985	ug/l	99
68) m/p-Xylenes	11.60	106	1027644	138.028	ug/l	99
69) o-Xylene	11.92	106	124644	17.325	ug/l	96
73) Isopropylbenzene	12.22	105	3266364	139.343	ug/l	99
78) n-propylbenzene	12.57	91	5545258	207.496	ug/l	95
80) 1,3,5-Trimethylbenzene	12.71	105	1309175	67.699	ug/l	99
83) tert-Butylbenzene	12.97	119	332254	21.999	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	11400253	586.423	ug/l #	55
85) sec-Butylbenzene	13.14	105	1587385	82.987	ug/l #	77
86) p-Isopropyltoluene	13.26	119	785408	45.649	ug/l	99
89) n-Butylbenzene	13.59	91	936677	63.319	ug/l #	77
95) Naphthalene	15.11	128	78135	8.103	ug/l	97

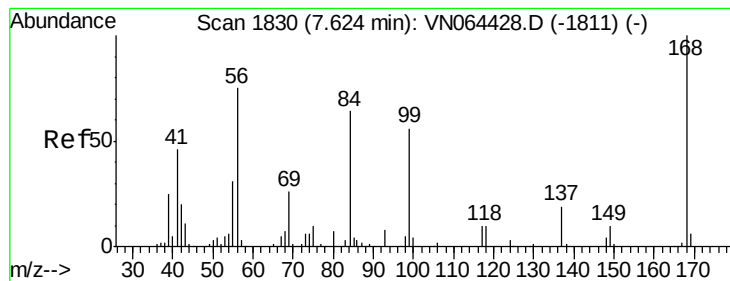
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 04 12:09:03 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: VN064666.D

Acq: 16 Nov 2020 17:36

Instrument :

MSVOA_N

ClientSampleId :

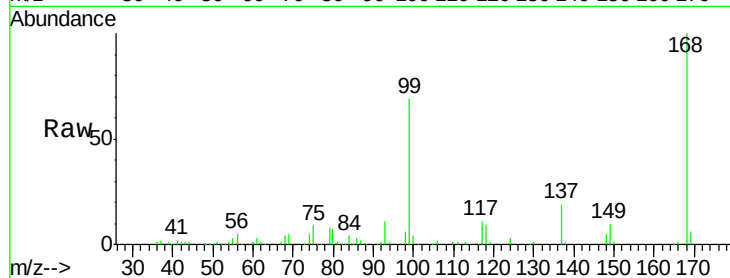
MW-3R

Tot Ion:168 Resp: 235463

Ion Ratio Lower Upper

168 100

99 68.6 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

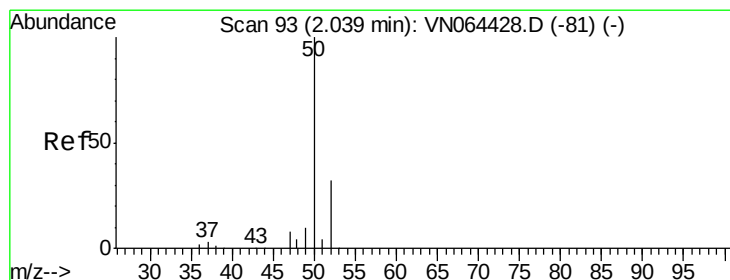
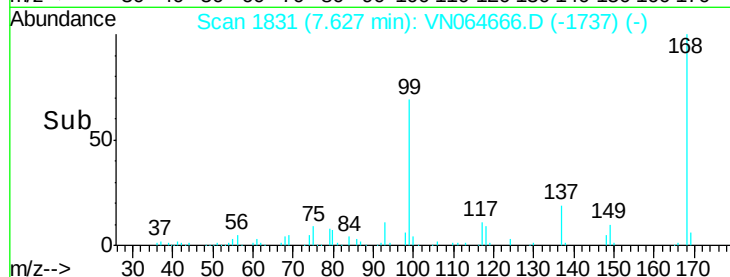
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.554 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064666.D

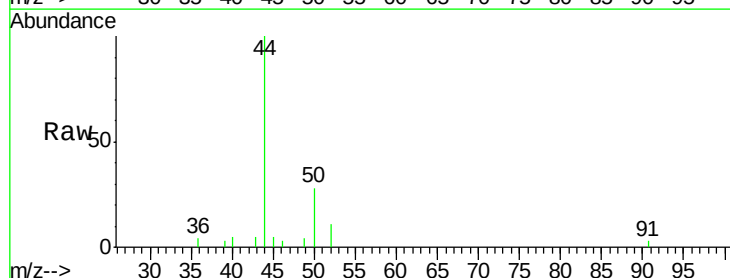
Acq: 16 Nov 2020 17:36

Tgt Ion: 50 Resp: 2063

Ion Ratio Lower Upper

50 100

52 38.3 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

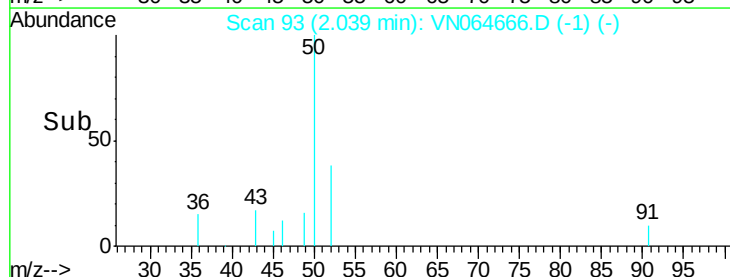
1500

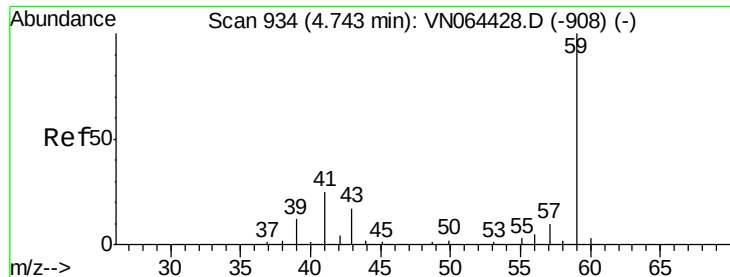
1000

500

0

Time--> 2.00 2.05

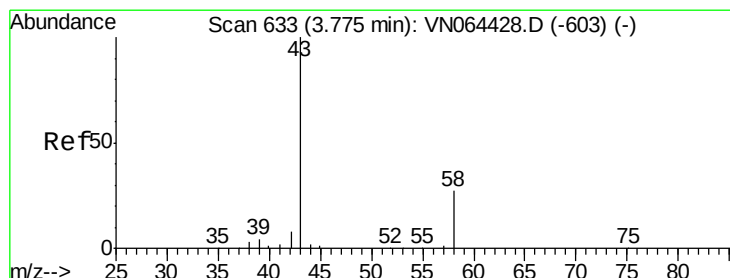
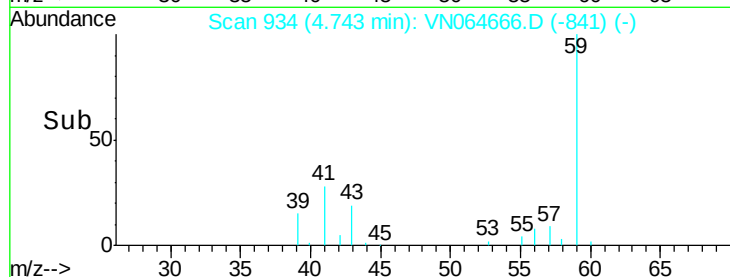
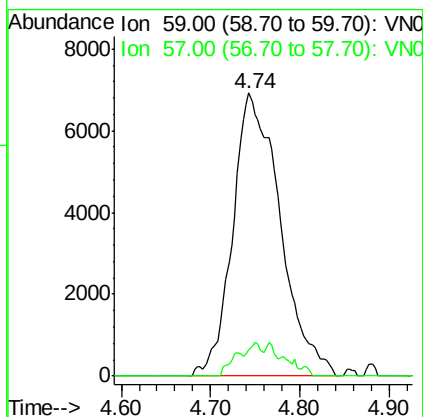
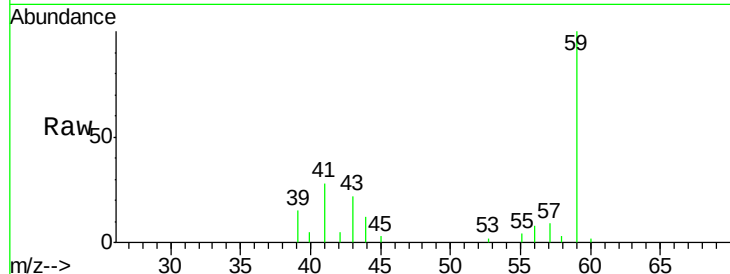




#11
Tert butyl alcohol
Concen: 56.509 ug/l
RT: 4.74 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN064666.D
Acq: 16 Nov 2020 17:36

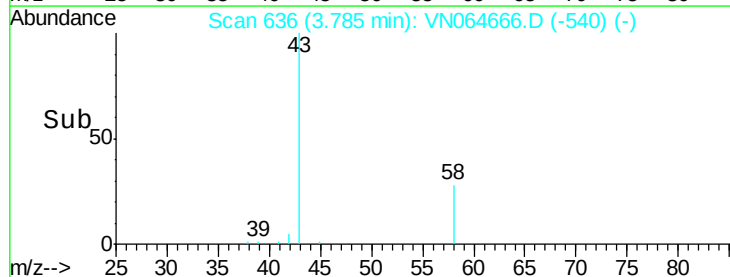
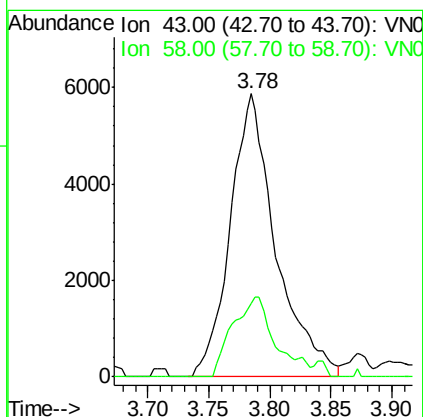
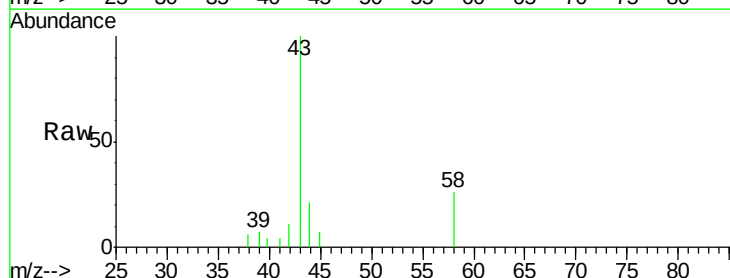
Instrument :
MSVOA_N
ClientSampled :
MW-3R

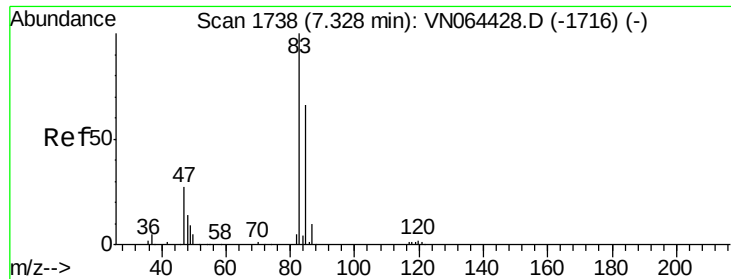
Tot Ion: 59 Resp: 25559
Ion Ratio Lower Upper
59 100
57 3.2 9.0 13.4#



#16
Acetone
Concen: 9.743 ug/l
RT: 3.78 min Scan# 636
Delta R.T. 0.01 min
Lab File: VN064666.D
Acq: 16 Nov 2020 17:36

Tgt Ion: 43 Resp: 15221
Ion Ratio Lower Upper
43 100
58 25.8 21.4 32.0

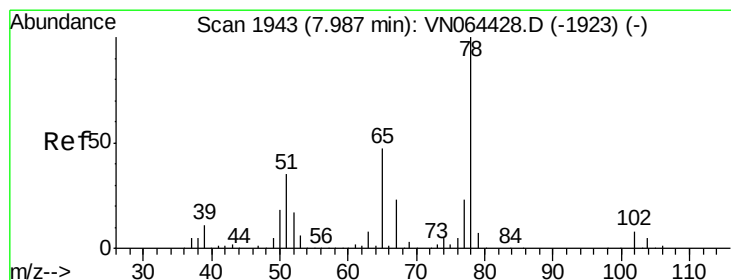
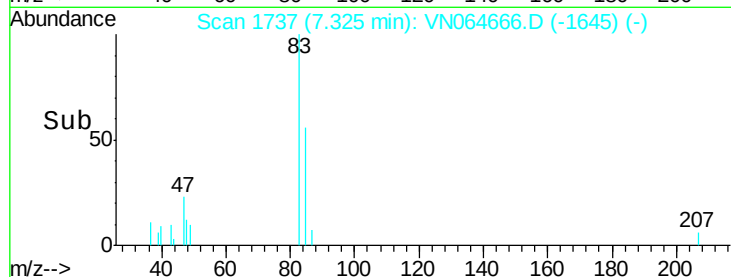
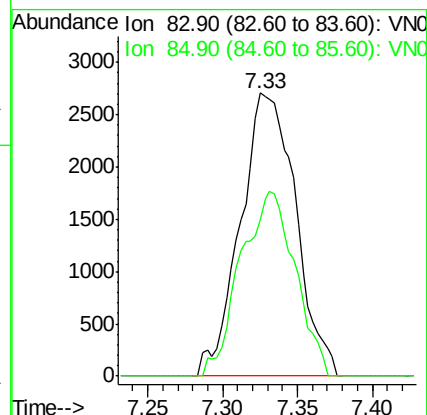
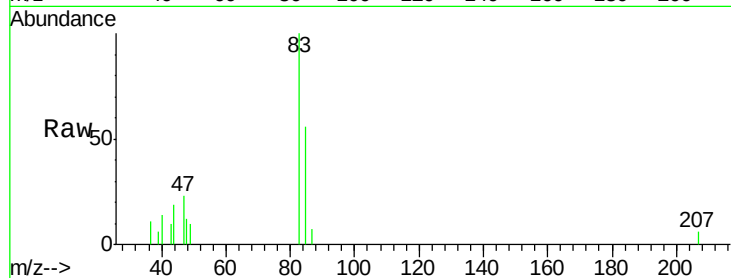




#30
Chloroform
Concen: 1.152 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064666.D
Acq: 16 Nov 2020 17:36

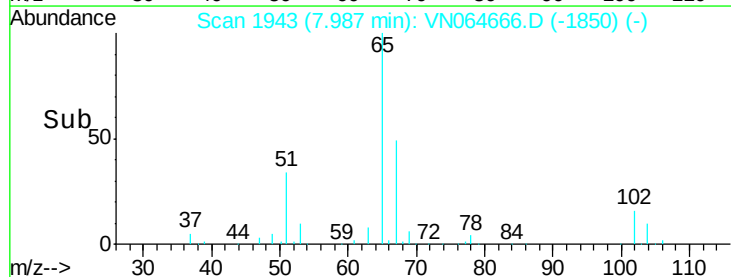
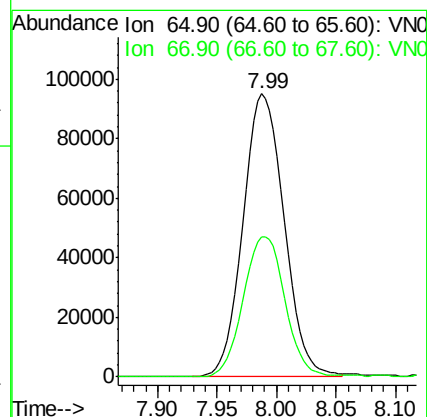
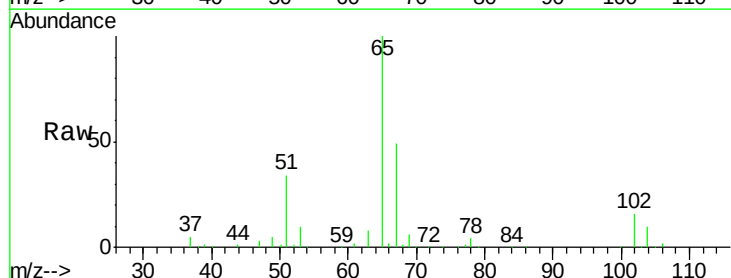
Instrument :
MSVOA_N
ClientSampleId :
MW-3R

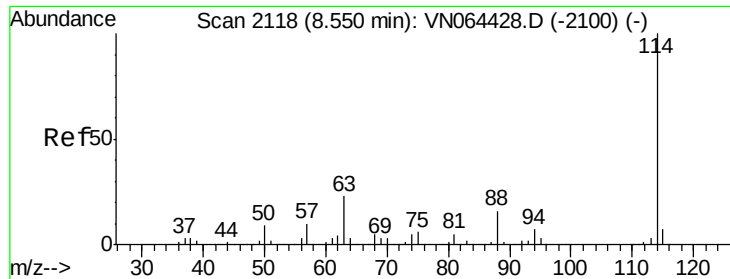
Tot Ion: 83 Resp: 6959
Ion Ratio Lower Upper
83 100
85 55.6 52.5 78.7



#33
1,2-Dichloroethane-d4
Concen: 55.535 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN064666.D
Acq: 16 Nov 2020 17:36

Tgt Ion: 65 Resp: 227772
Ion Ratio Lower Upper
65 100
67 50.2 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064666.D

Acq: 16 Nov 2020 17:36

Instrument :

MSVOA_N

ClientSampleId :

MW-3R

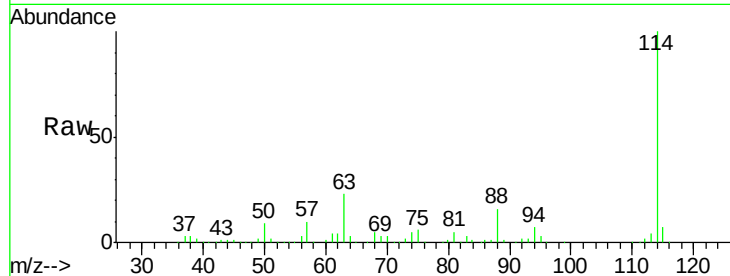
Tot Ion:114 Resp: 475474

Ion Ratio Lower Upper

114 100

63 23.4 0.0 45.6

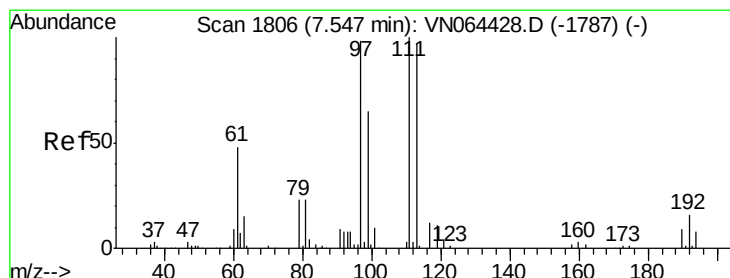
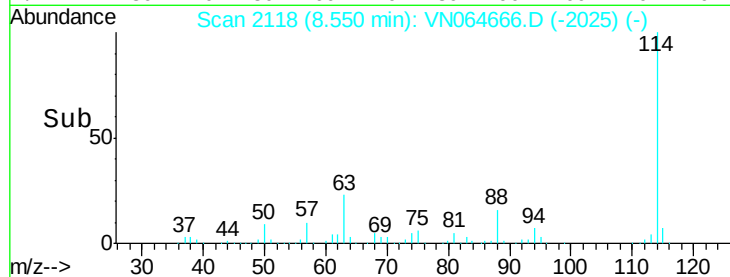
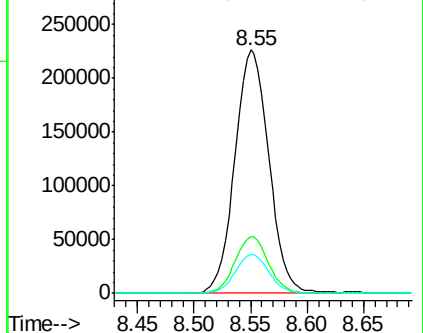
88 15.8 0.0 32.8



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: 52.724 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064666.D

Acq: 16 Nov 2020 17:36

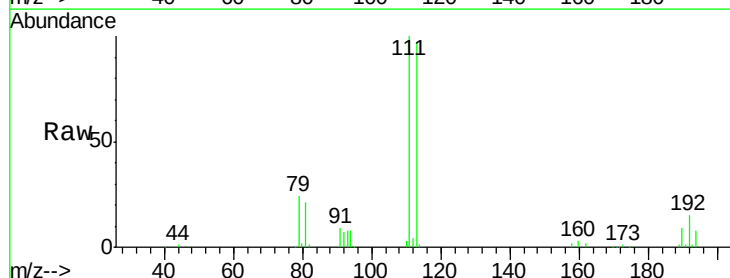
Tgt Ion:113 Resp: 170685

Ion Ratio Lower Upper

113 100

111 101.8 81.1 121.7

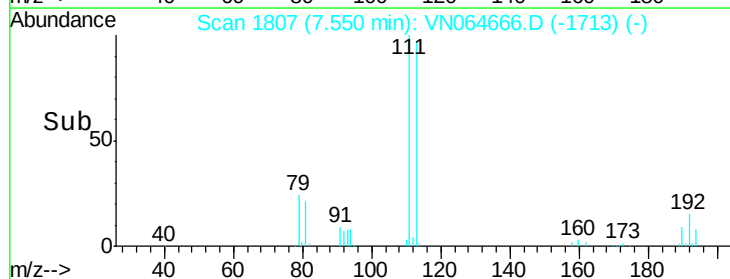
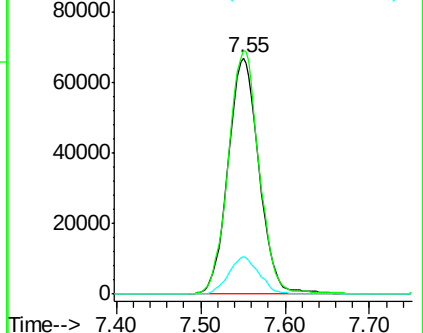
192 15.3 12.8 19.2

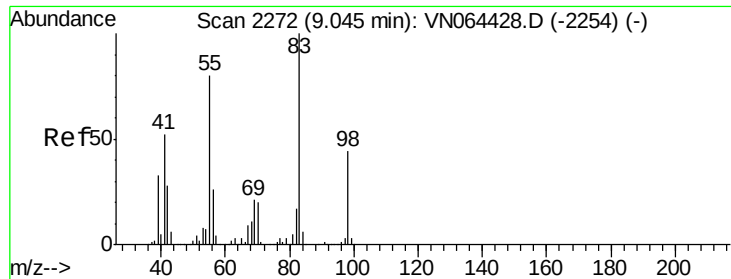


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

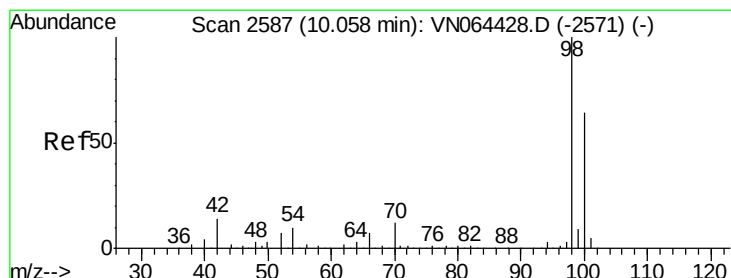
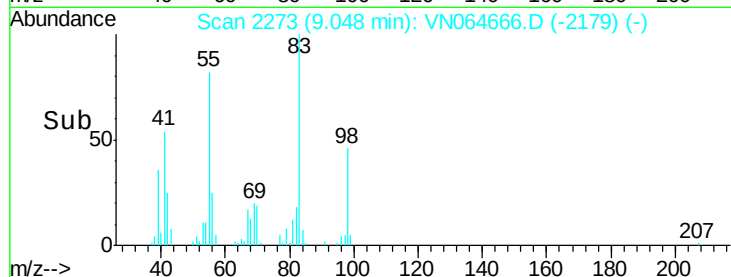
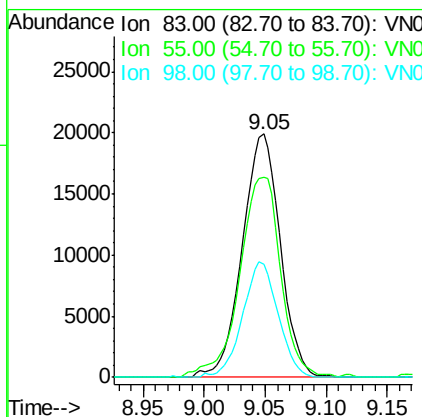
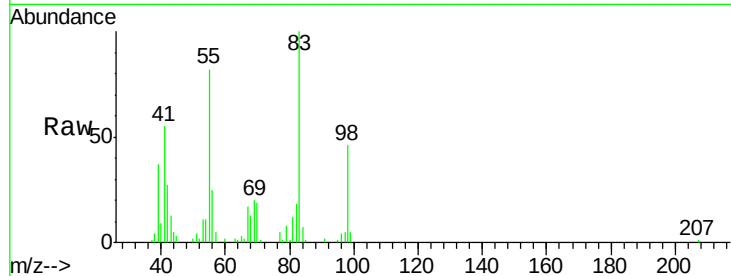




#39
Methvlcvclohexane
Concen: 9.501 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064666.D
Acq: 16 Nov 2020 17:36

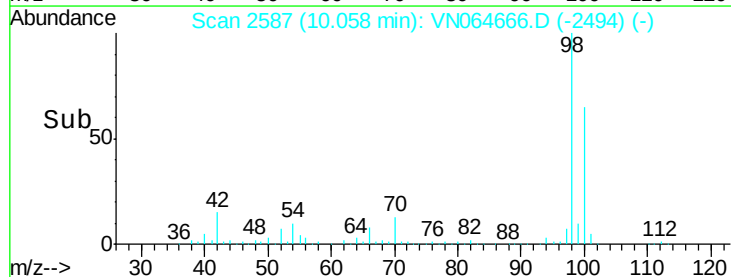
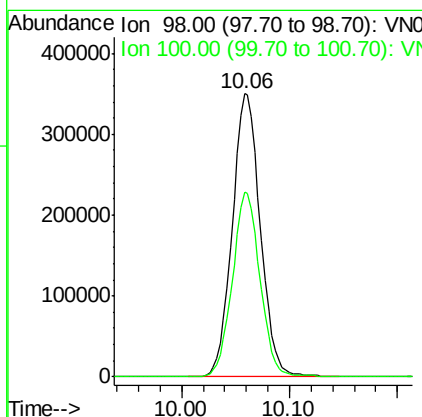
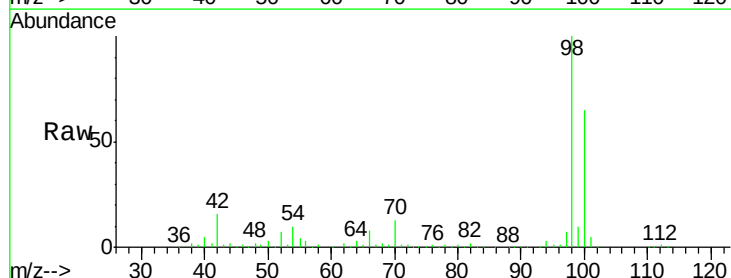
Instrument :
MSVOA_N
ClientSampled :
MW-3R

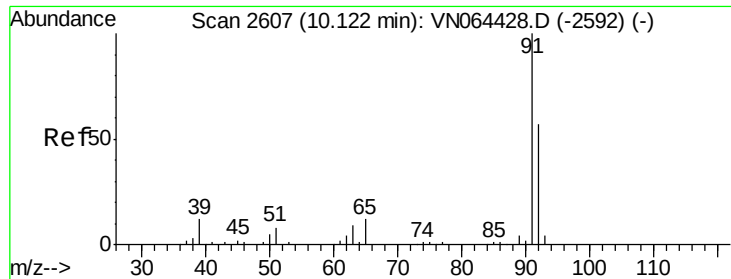
Tot Ion: 83 Resp: 42781
Ion Ratio Lower Upper
83 100
55 82.4 63.8 95.6
98 46.3 35.4 53.2



#50
Toluene-d8
Concen: 50.731 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064666.D
Acq: 16 Nov 2020 17:36

Tgt Ion: 98 Resp: 634759
Ion Ratio Lower Upper
98 100
100 64.2 50.7 76.1





#52

Toluene

Concen: 0.446 ug/l

RT: 10.12 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN064666.D

Acq: 16 Nov 2020 17:36

Instrument :

MSVOA_N

ClientSampled :

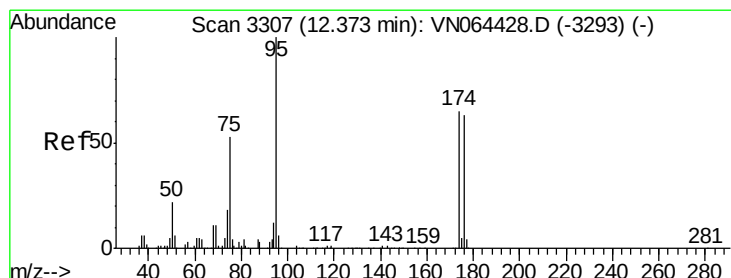
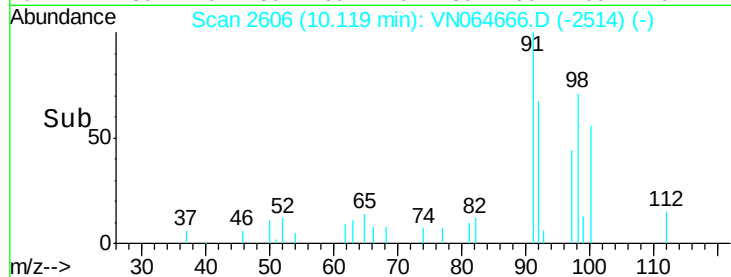
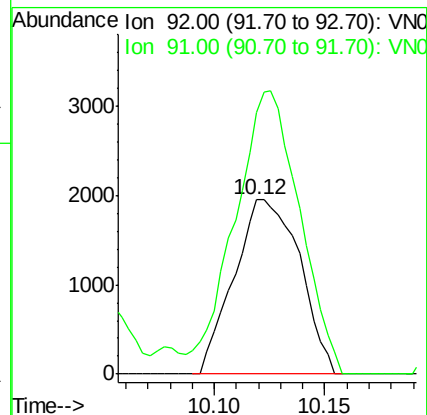
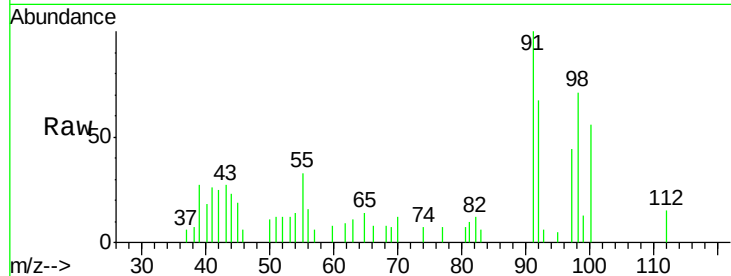
MW-3R

Tot Ion: 92 Resp: 4016

Ion Ratio Lower Upper

92 100

91 161.1 139.6 209.4



#62

4-Bromofluorobenzene

Concen: 63.376 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064666.D

Acq: 16 Nov 2020 17:36

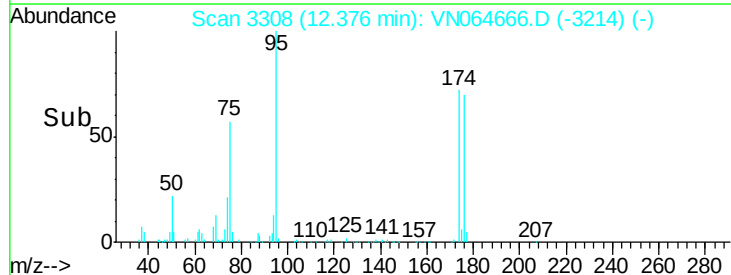
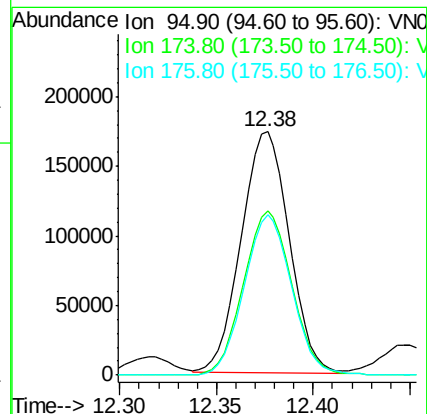
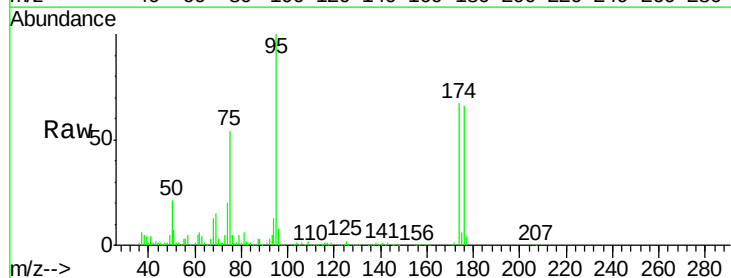
Tgt Ion: 95 Resp: 299896

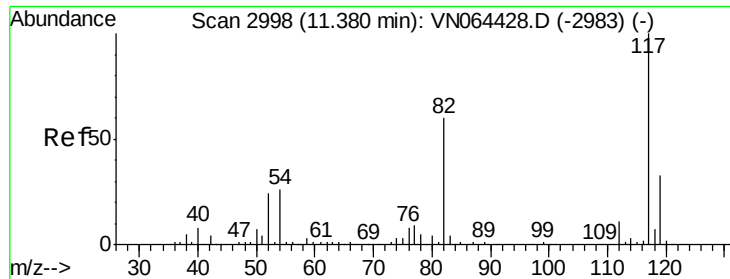
Ion Ratio Lower Upper

95 100

174 68.5 0.0 132.6

176 65.7 0.0 129.2

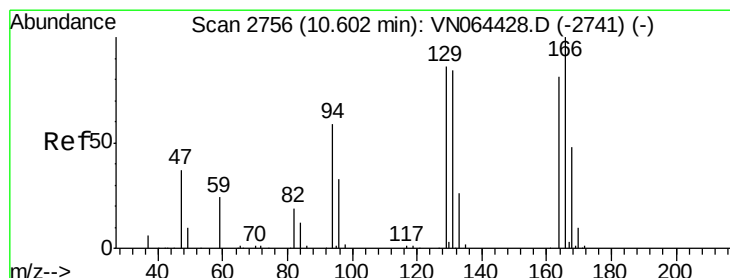
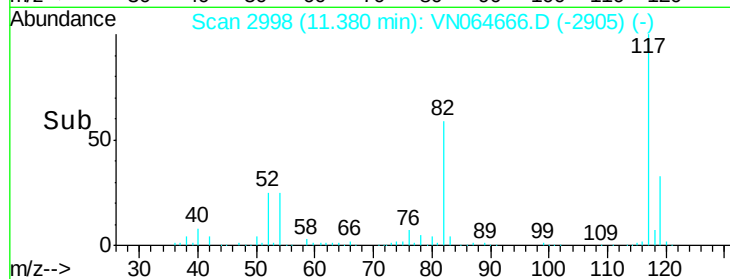
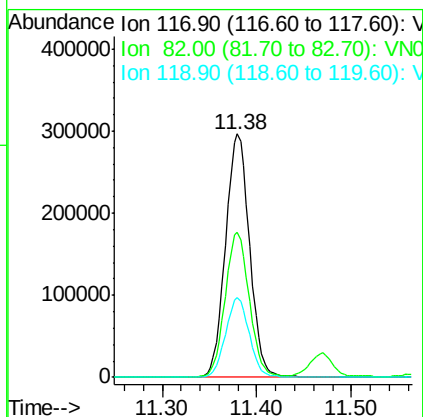
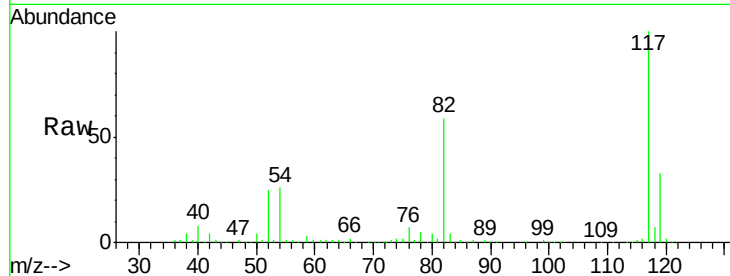




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064666.D
Acq: 16 Nov 2020 17:36

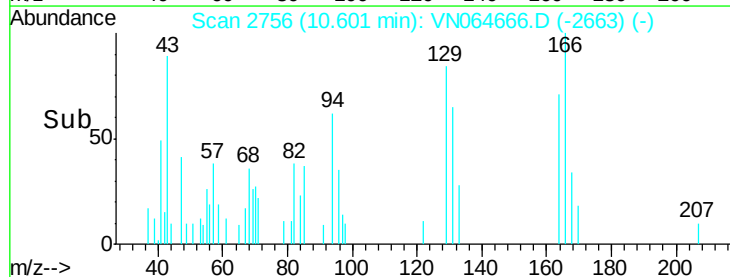
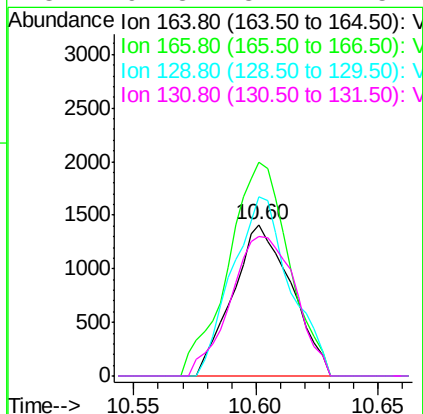
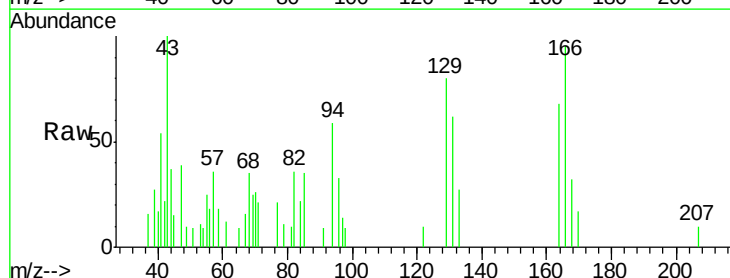
Instrument :
MSVOA_N
ClientSampleId :
MW-3R

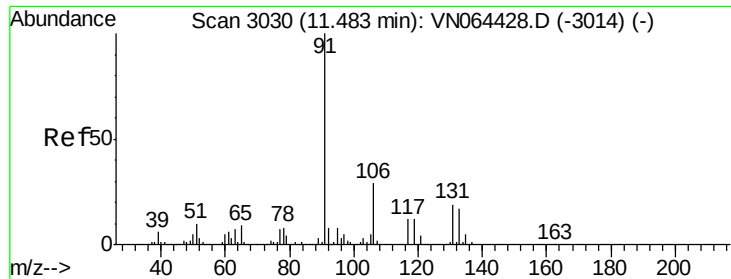
Tot Ion:117 Resp: 526476
Ion Ratio Lower Upper
117 100
82 59.1 48.1 72.1
119 32.7 26.2 39.4



#64
Tetrachloroethene
Concen: 0.580 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064666.D
Acq: 16 Nov 2020 17:36

Tgt Ion:164 Resp: 2353
Ion Ratio Lower Upper
164 100
166 141.1 98.2 147.2
129 118.6 84.6 127.0
131 92.3 82.2 123.2





#67

Ethyl Benzene

Concen: 58.985 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN064666.D

Acq: 16 Nov 2020 17:36

Instrument :

MSVOA_N

ClientSampled :

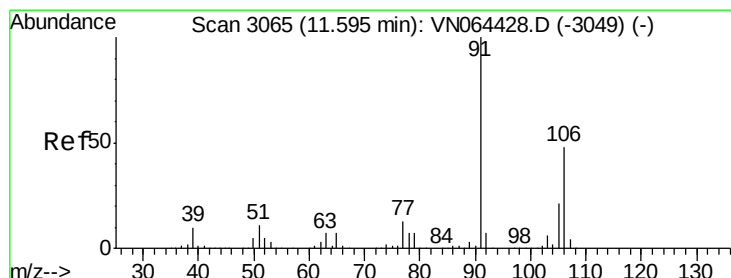
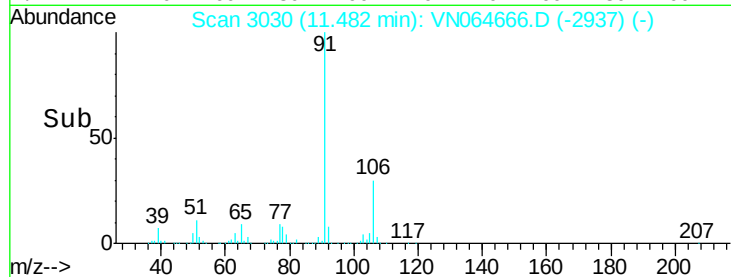
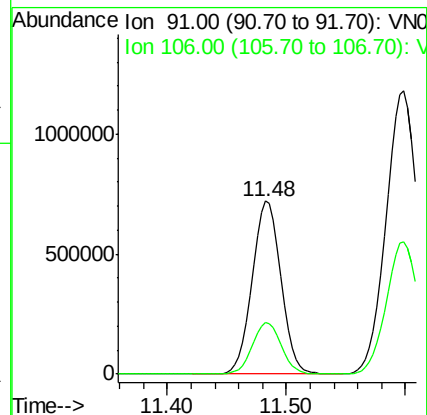
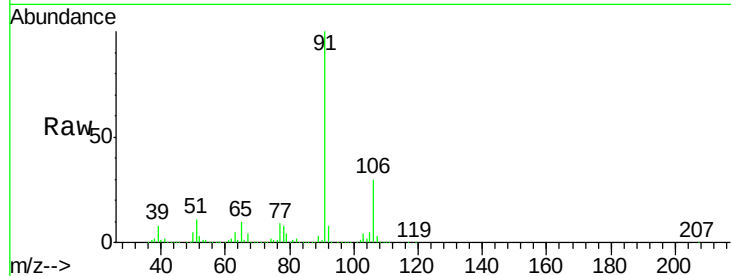
MW-3R

Tot Ion: 91 Resp: 1210924

Ion Ratio Lower Upper

91 100

106 30.1 23.6 35.4



#68

m/p-Xylenes

Concen: 138.028 ug/l

RT: 11.60 min Scan# 3066

Delta R.T. 0.00 min

Lab File: VN064666.D

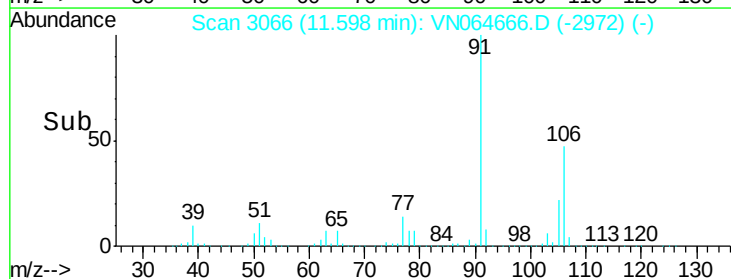
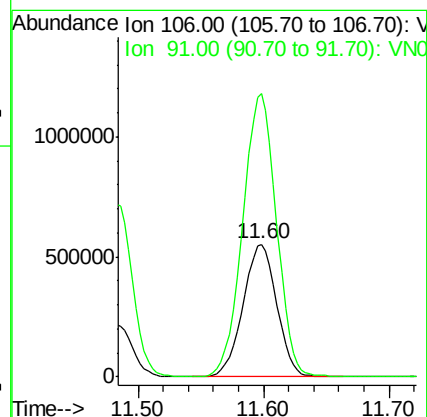
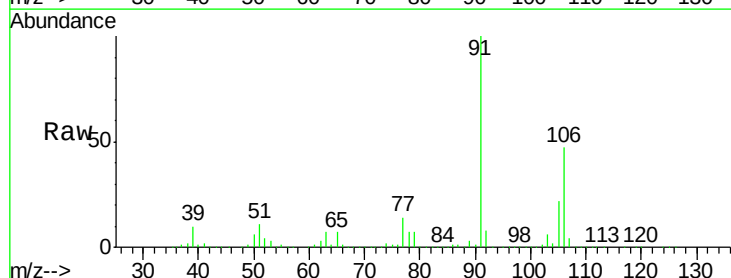
Acq: 16 Nov 2020 17:36

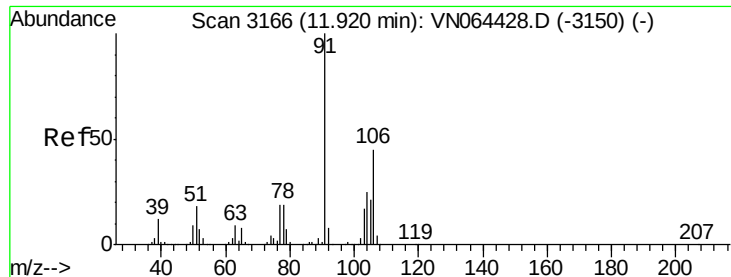
Tgt Ion: 106 Resp: 1027644

Ion Ratio Lower Upper

106 100

91 214.1 169.4 254.2

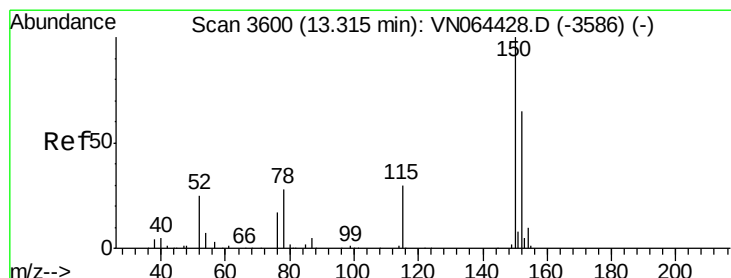
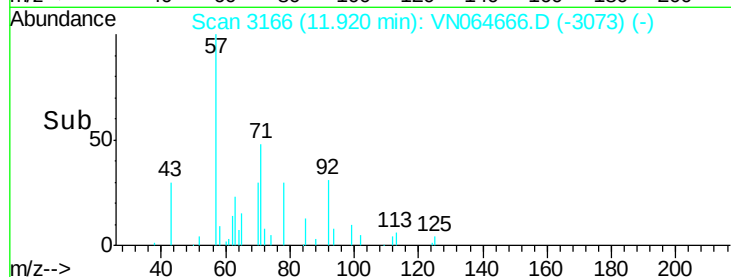
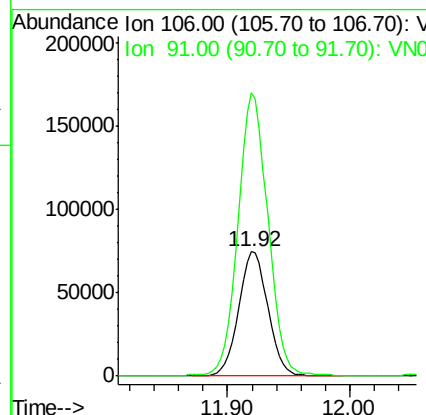
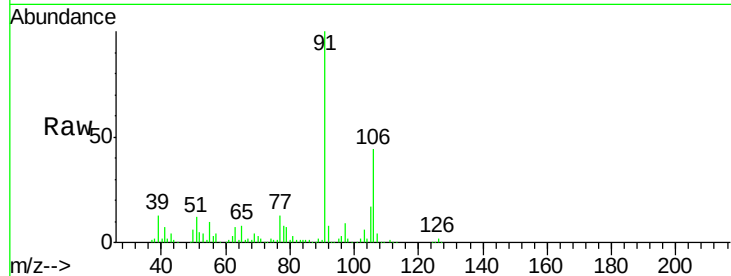




#69
o-Xylene
Concen: 17.325 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064666.D
Acq: 16 Nov 2020 17:36

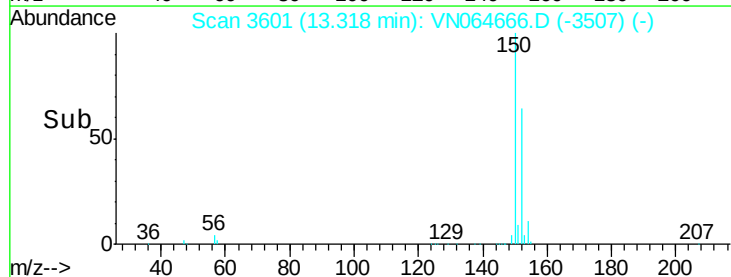
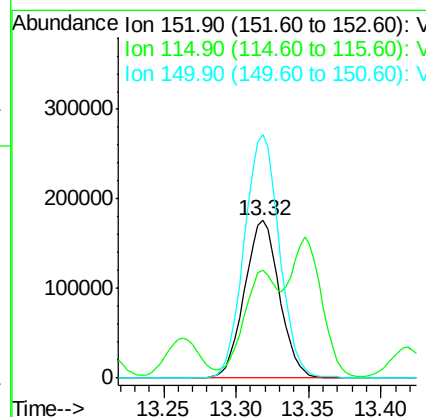
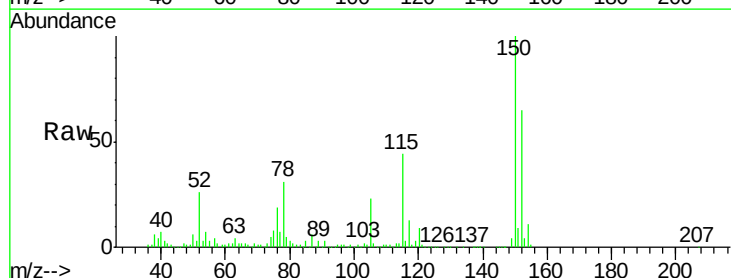
Instrument :
MSVOA_N
ClientSampled :
MW-3R

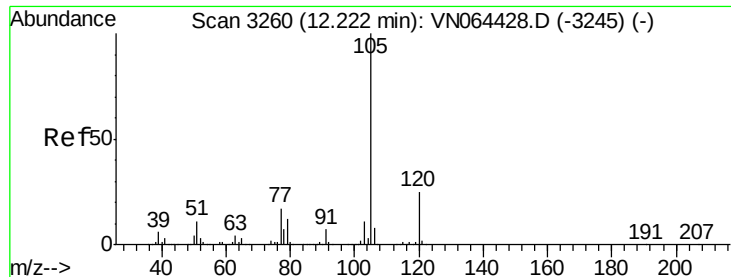
Tot Ion:106 Resp: 124644
Ion Ratio Lower Upper
106 100
91 230.2 111.7 334.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064666.D
Acq: 16 Nov 2020 17:36

Tgt Ion:152 Resp: 294920
Ion Ratio Lower Upper
152 100
115 65.1 32.0 96.0
150 156.3 0.0 353.8





#73

Isopropylbenzene

Concen: 139.343 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064666.D

Acq: 16 Nov 2020 17:36

Instrument :

MSVOA_N

ClientSampled :

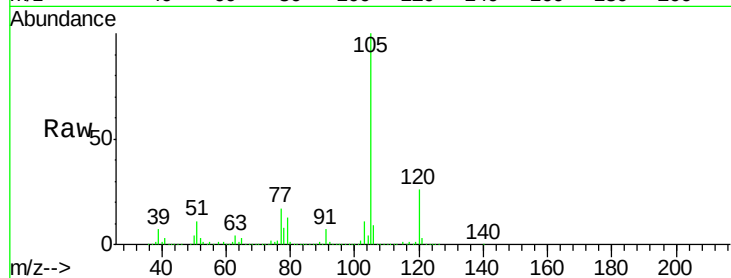
MW-3R

Tot Ion:105 Resp: 3266364

Ion Ratio Lower Upper

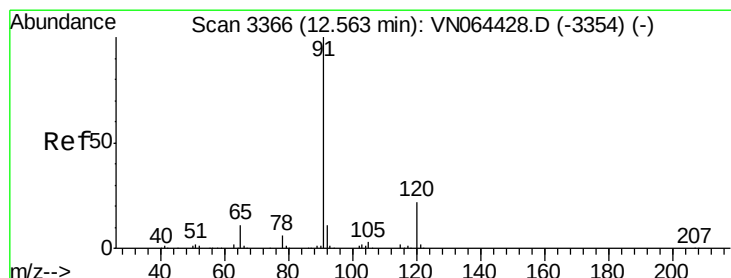
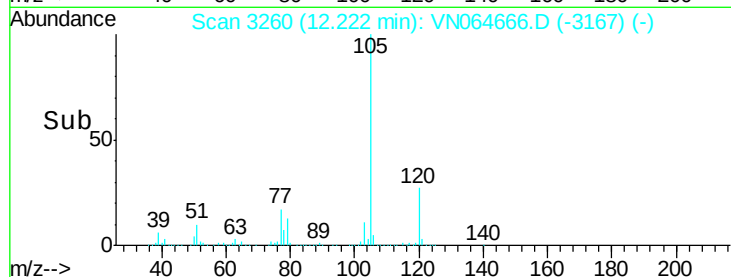
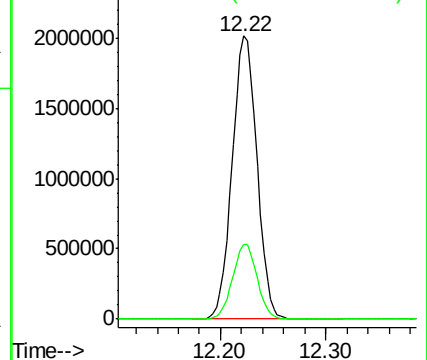
105 100

120 26.1 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: 207.496 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064666.D

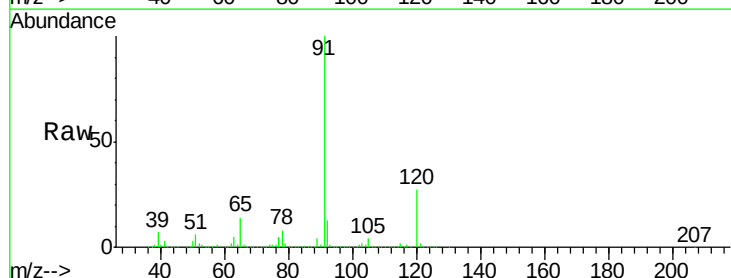
Acq: 16 Nov 2020 17:36

Tgt Ion: 91 Resp: 5545258

Ion Ratio Lower Upper

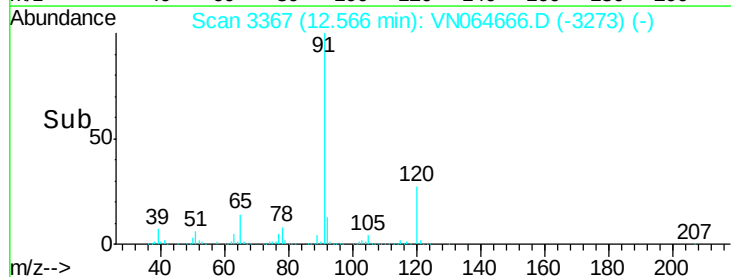
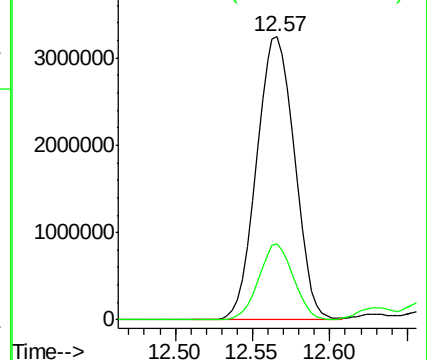
91 100

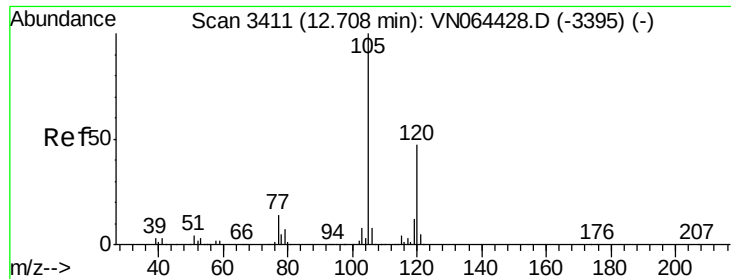
120 24.5 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 67.699 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064666.D

Acq: 16 Nov 2020 17:36

Instrument :

MSVOA_N

ClientSampled :

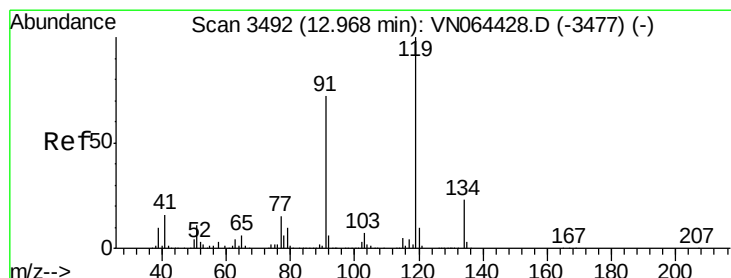
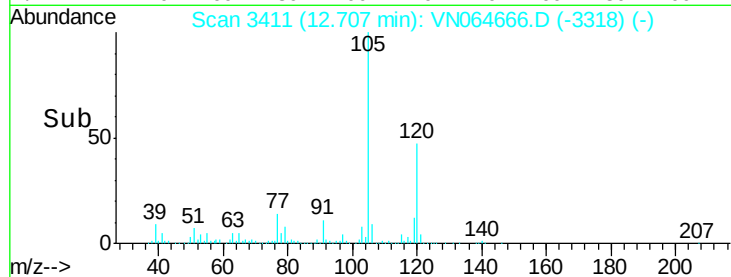
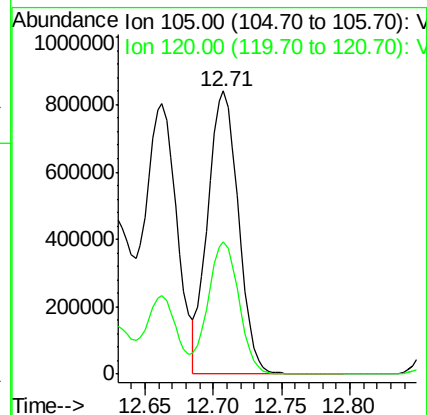
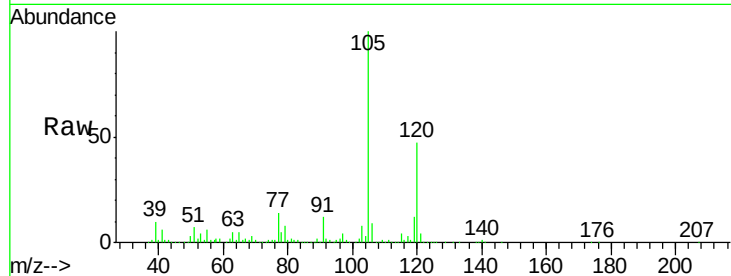
MW-3R

Tot Ion:105 Resp: 1309175

Ion Ratio Lower Upper

105 100

120 47.4 23.4 70.2



#83

tert-Butylbenzene

Concen: 21.999 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN064666.D

Acq: 16 Nov 2020 17:36

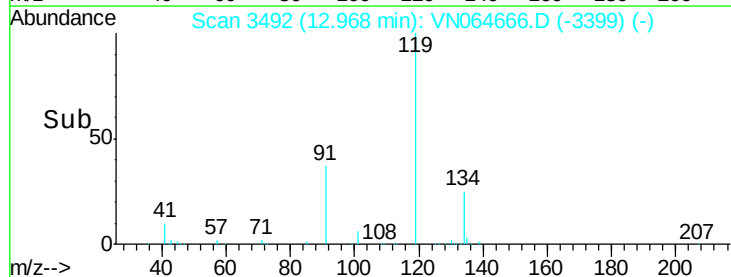
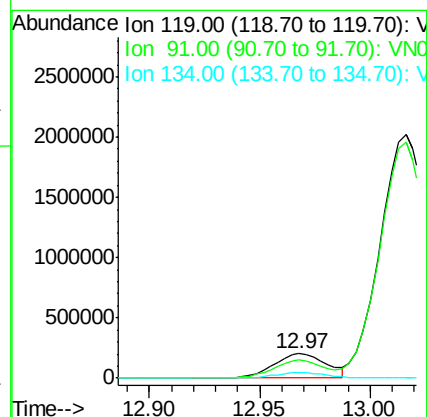
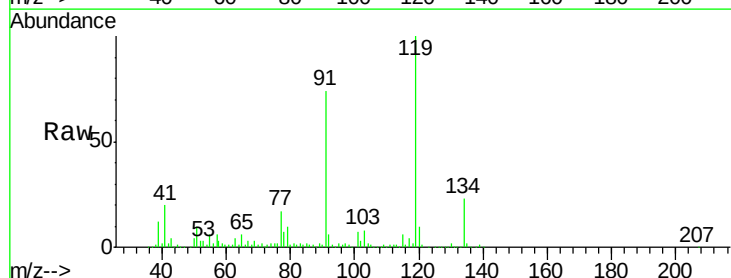
Tgt Ion:119 Resp: 332254

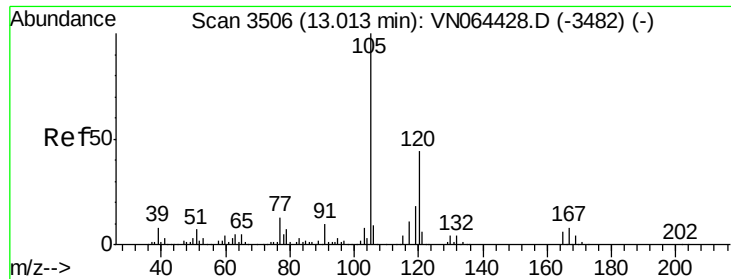
Ion Ratio Lower Upper

119 100

91 70.4 36.1 108.3

134 22.4 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 586.423 ug/l

RT: 13.02 min Scan# 3507

Delta R.T. 0.00 min

Lab File: VN064666.D

Acq: 16 Nov 2020 17:36

Instrument :

MSVOA_N

ClientSampleId :

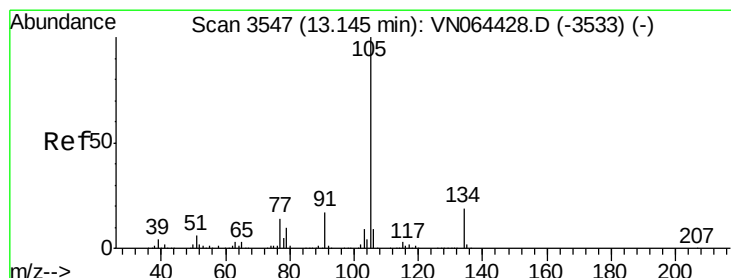
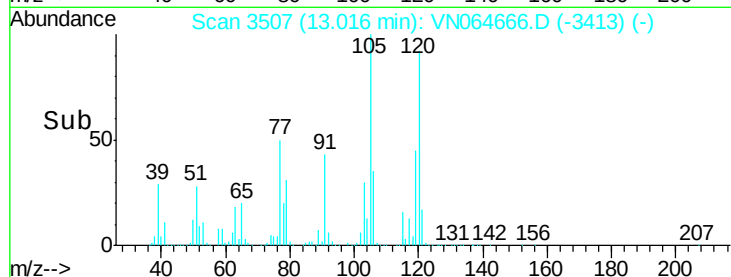
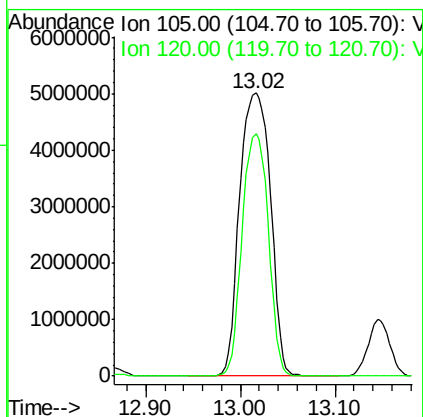
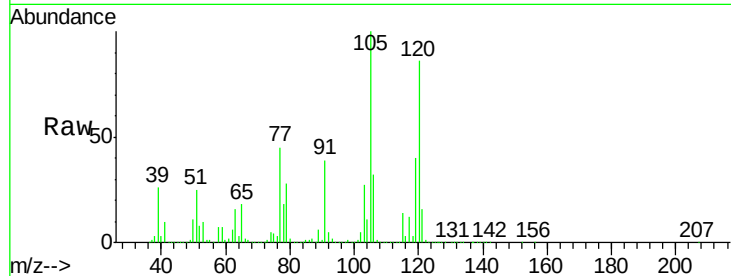
MW-3R

Tot Ion:105 Resp:11400253

Ion Ratio Lower Upper

105 100

120 73.1 21.9 65.7#



#85

sec-Butylbenzene

Concen: 82.987 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064666.D

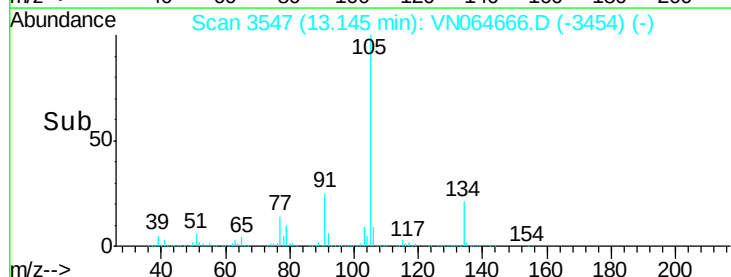
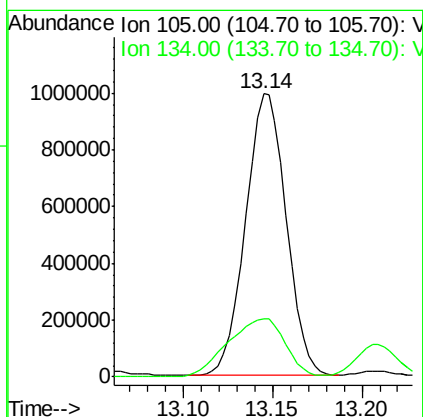
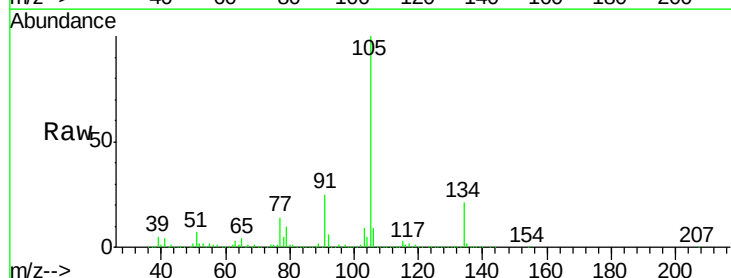
Acq: 16 Nov 2020 17:36

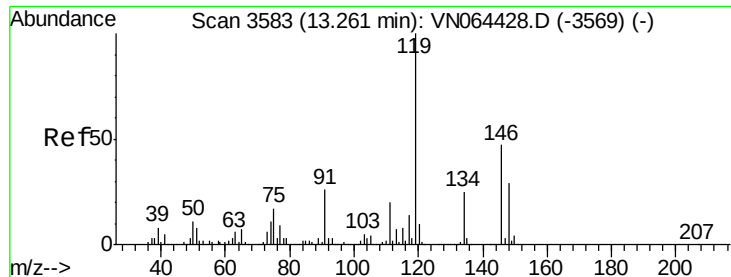
Tgt Ion:105 Resp: 1587385

Ion Ratio Lower Upper

105 100

134 29.1 9.4 28.2#

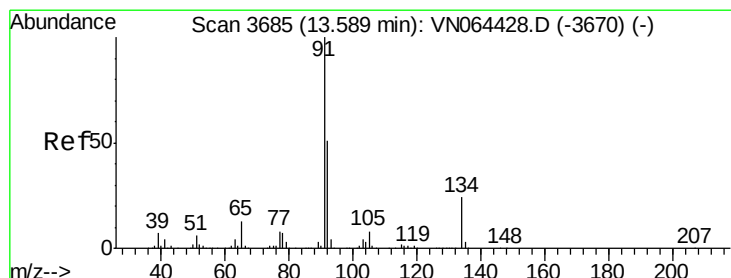
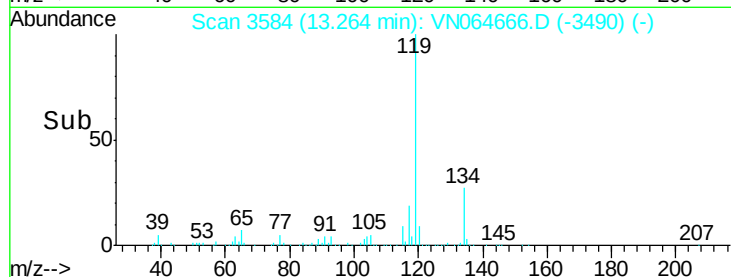
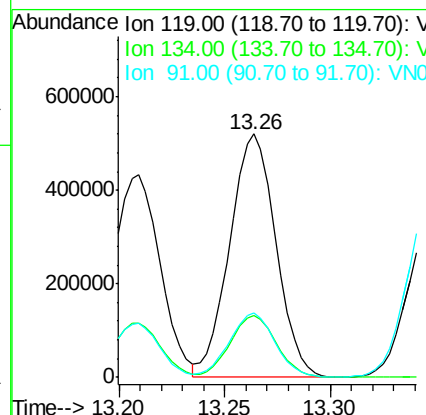
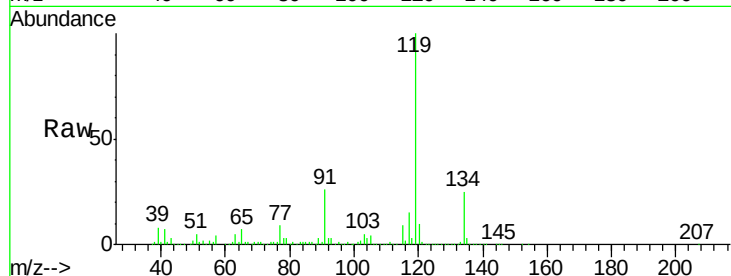




#86
 p-Isopropyltoluene
 Concen: 45.649 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064666.D
 Acq: 16 Nov 2020 17:36

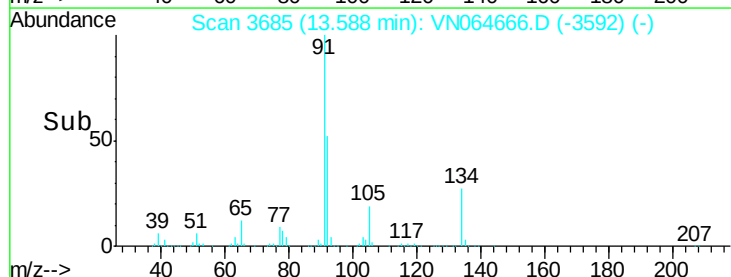
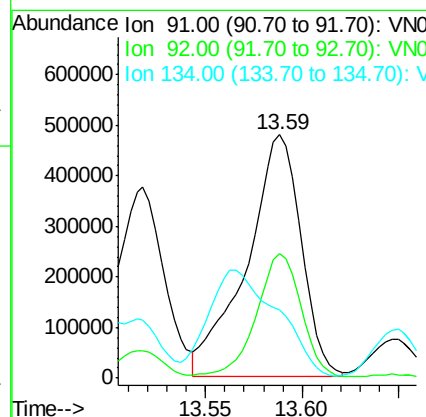
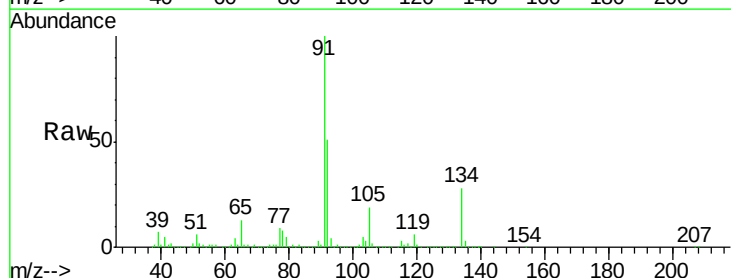
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3R

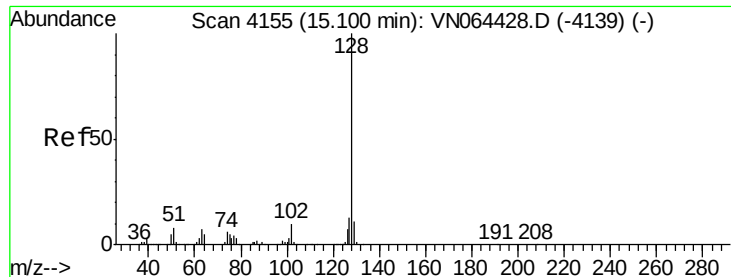
Tot Ion:119 Resp: 785408
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.6 37.6
 91 25.6 12.8 38.3



#89
 n-Butylbenzene
 Concen: 63.319 ug/l
 RT: 13.59 min Scan# 3685
 Delta R.T. -0.00 min
 Lab File: VN064666.D
 Acq: 16 Nov 2020 17:36

Tgt Ion: 91 Resp: 936677
 Ion Ratio Lower Upper
 91 100
 92 42.4 25.3 75.9
 134 0.0 11.8 35.4#





#95

Naphthalene

Concen: 8.103 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN064666.D

Acq: 16 Nov 2020 17:36

Instrument :

MSVOA_N

ClientSampleId :

MW-3R

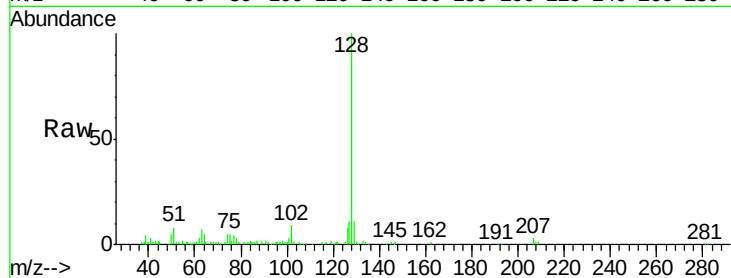
Tot Ion:128 Resp: 78135

Ion Ratio Lower Upper

128 100

127 15.0 10.5 15.7

129 10.9 8.8 13.2



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

