

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111820\
 Data File : VN064721.D
 Acq On : 18 Nov 2020 21:00
 Operator : JC/MD
 Sample : L4783-21 40X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Manual Integrations
 APPROVED

MMDadoda
 11/19/2020 2:12:32 PM

Quant Time: Nov 19 02:58:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 15:29:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	232930	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	455955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	488525	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	234851	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	207264	50.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.16%	
35) Dibromofluoromethane	7.55	113	123076	47.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.84%	
50) Toluene-d8	10.06	98	575416	48.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.58%	
62) 4-Bromofluorobenzene	12.37	95	268386	60.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.76%	
Target Compounds						
					Qvalue	
19) Methyl tert-butyl Ether	5.00	73	103055	12.299	ug/l #	52
39) Methylcyclohexane	9.05	83	10624	2.556	ug/l	96
40) Benzene	8.00	78	324114	24.798	ug/l	98
52) Toluene	10.13	92	7536745	936.247	ug/l #	68
67) Ethyl Benzene	11.48	91	1572218	85.808	ug/l	99
68) m/p-Xylenes	11.59	106	1891114	247.914	ug/l	97
69) o-Xylene	11.92	106	686774	107.438	ug/l	96
73) Isopropylbenzene	12.22	105	210818	12.643	ug/l	99
78) n-propylbenzene	12.57	91	241601	12.442	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	260793	18.828	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	1003865	71.011	ug/l	99
85) sec-Butylbenzene	13.14	105	6361m	0.445	ug/l	
89) n-Butylbenzene	13.59	91	5236	0.427	ug/l #	79
95) Naphthalene	15.10	128	144295	10.931	ug/l	99

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

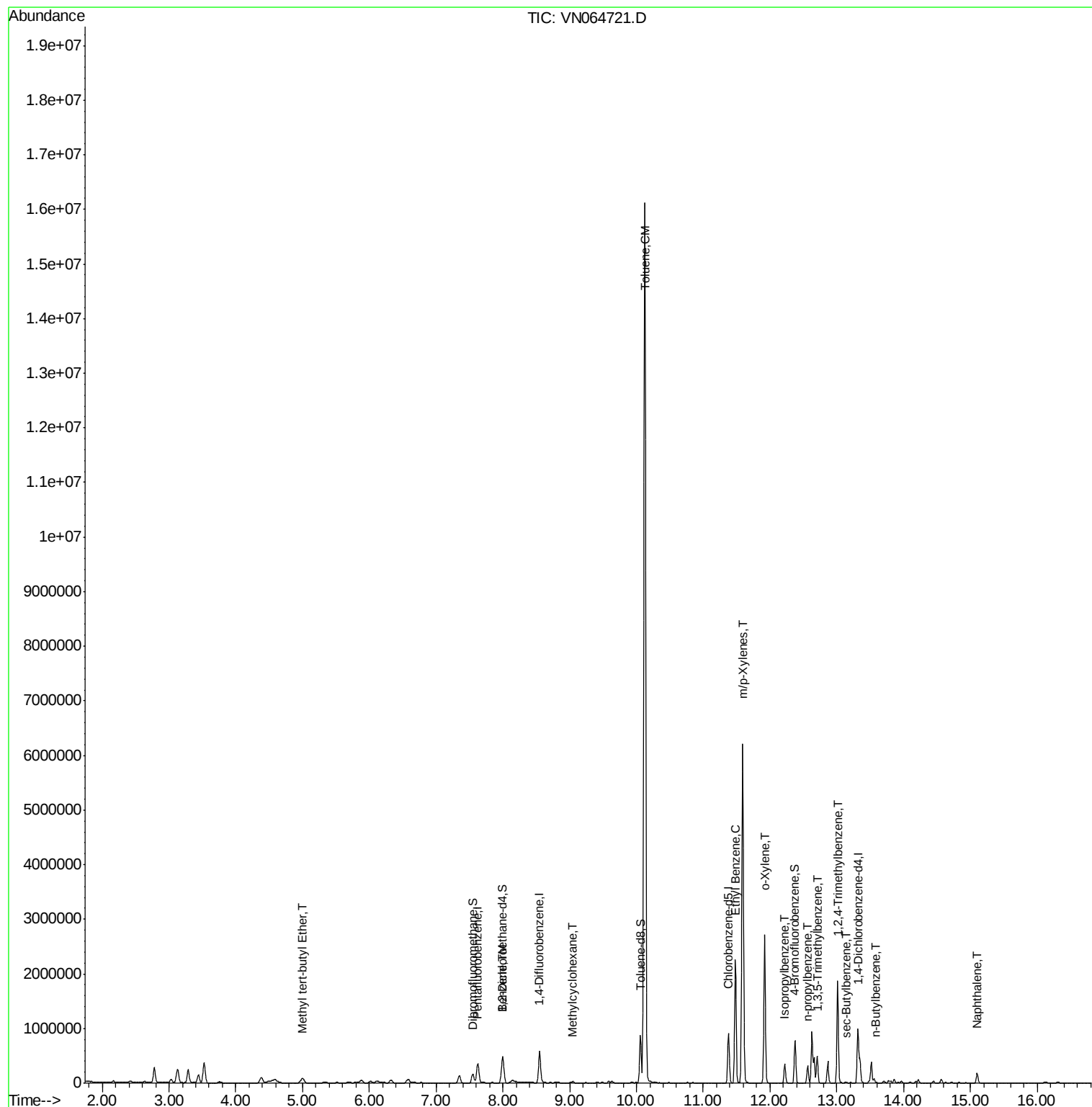
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111820\
Data File : VN064721.D
Acq On : 18 Nov 2020 21:00
Operator : JC/MD
Sample : L4783-21 40X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 24 Sample Multiplier: 1

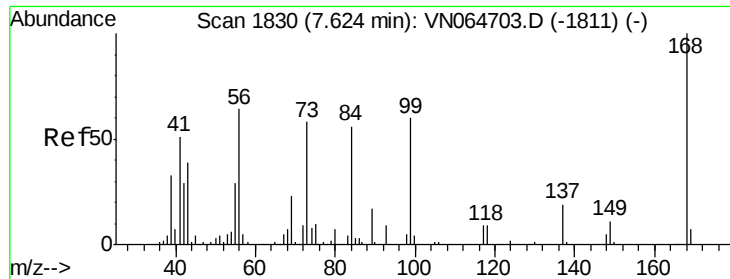
Instrument :
MSVOA_N
ClientSampleId :
MW-3

Manual Integrations
APPROVED

MMDadoda
11/19/2020 2:12:32 PM

Quant Time: Nov 19 02:58:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 18 15:29:54 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: VN064721.D

Acq: 18 Nov 2020 21:00

Instrument :

MSVOA_N

ClientSampleId :

MW-3

Tot Ion:168 Resp: 232930

Ion Ratio Lower Upper

168 100

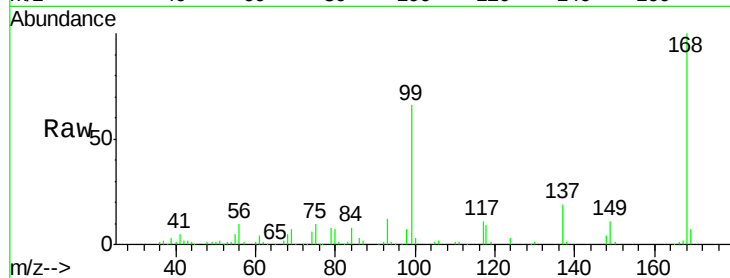
99 65.6 55.7 83.5

Manual Integrations

APPROVED

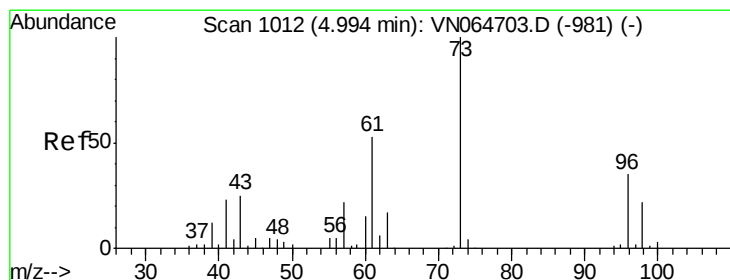
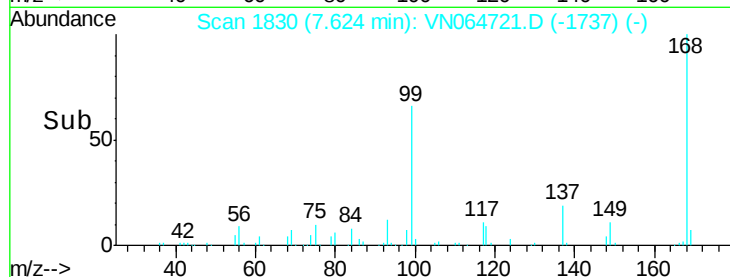
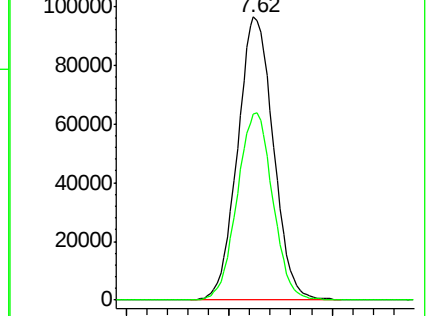
MMDadoda

11/19/2020 2:12:32 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#19

Methyl tert-butyl Ether

Concen: 12.299 ug/l

RT: 5.00 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VN064721.D

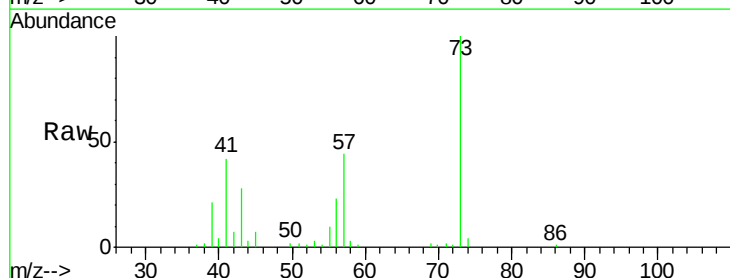
Acq: 18 Nov 2020 21:00

Tgt Ion: 73 Resp: 103055

Ion Ratio Lower Upper

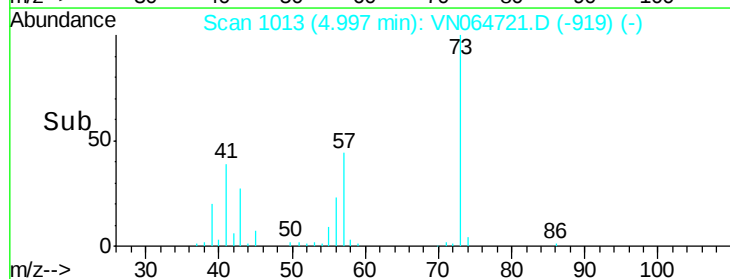
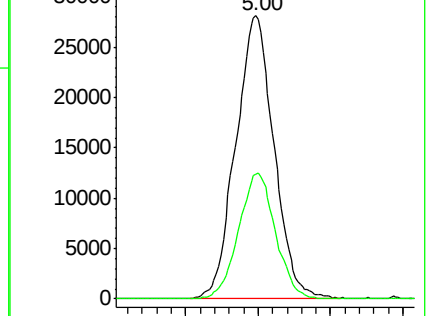
73 100

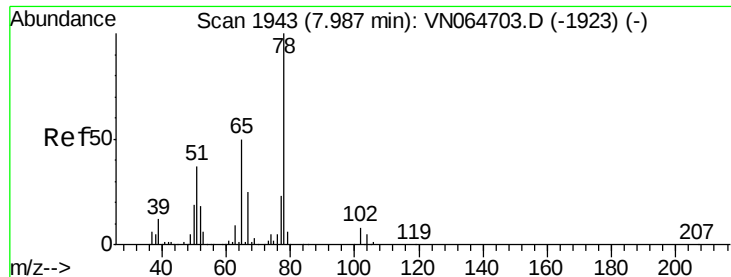
57 44.2 17.3 25.9#



Abundance Ion 73.00 (72.70 to 73.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#33

1,2-Dichloroethane-d4

Concen: 50.582 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064721.D

Acq: 18 Nov 2020 21:00

Instrument :

MSVOA_N

ClientSampled :

MW-3

Tot Ion: 65 Resp: 207264

Ion Ratio Lower Upper

65 100

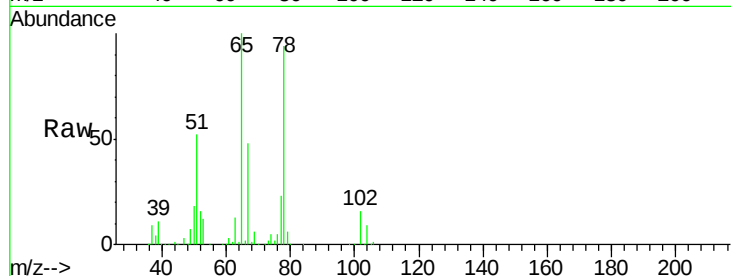
67 48.4 0.0 99.8

Manual Integrations

APPROVED

MMDadoda

11/19/2020 2:12:32 PM



Abundance Ion 64.90 (64.60 to 65.60): VN064721.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN064721.D (-1850) (-)

7.99

100000

80000

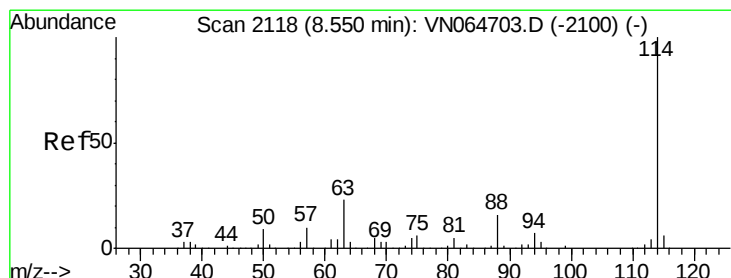
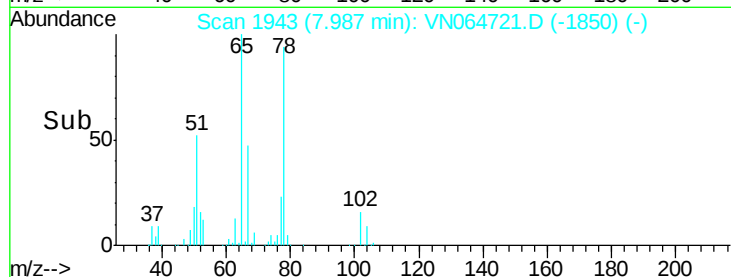
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064721.D

Acq: 18 Nov 2020 21:00

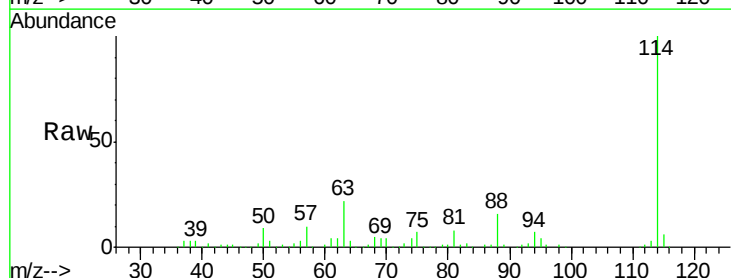
Tgt Ion: 114 Resp: 455955

Ion Ratio Lower Upper

114 100

63 22.0 0.0 46.0

88 15.6 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN064721.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN064721.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN064721.D (-2025) (-)

8.55

300000

250000

200000

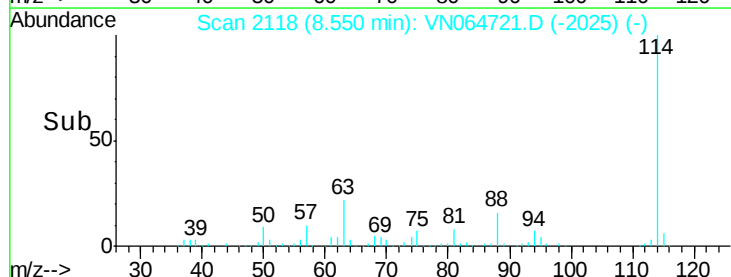
150000

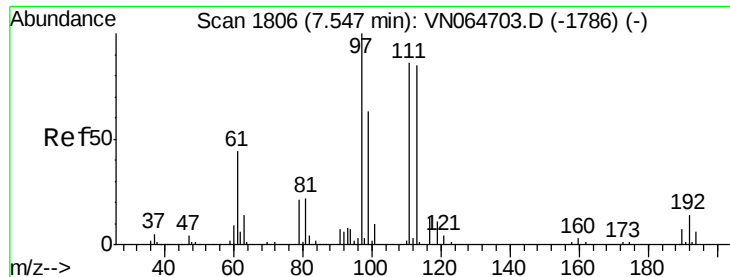
100000

50000

0

Time-->





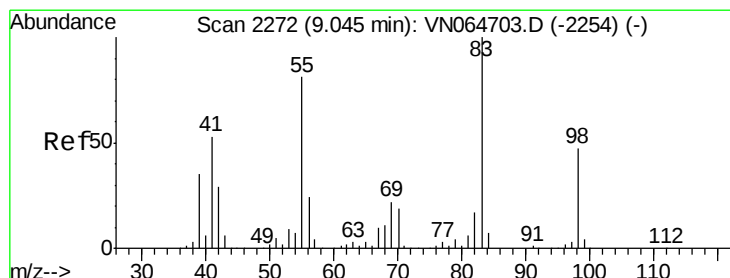
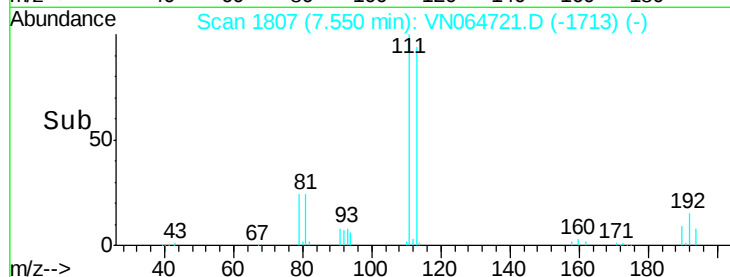
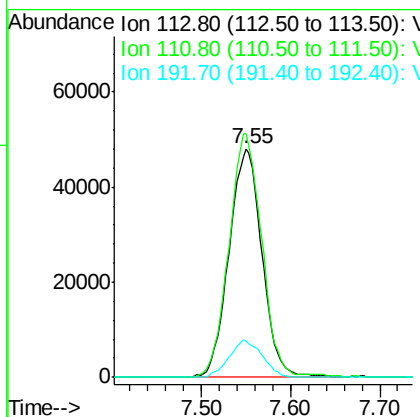
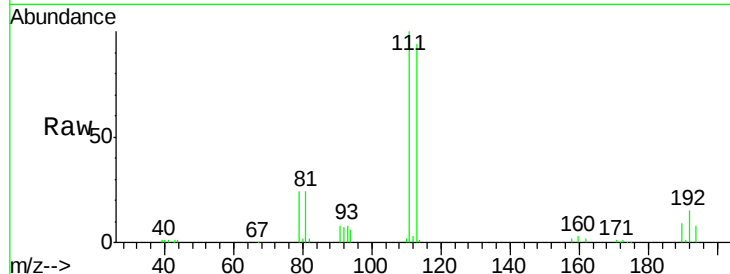
#35
Dibromofluoromethane
Concen: 47.425 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064721.D
Acq: 18 Nov 2020 21:00

Instrument :
MSVOA_N
ClientSampled :
MW-3

Tot Ion	Ratio	Resp	Lower	Upper
113	100	123076		
111	105.3	82.2	123.4	
192	16.3	12.7	19.1	

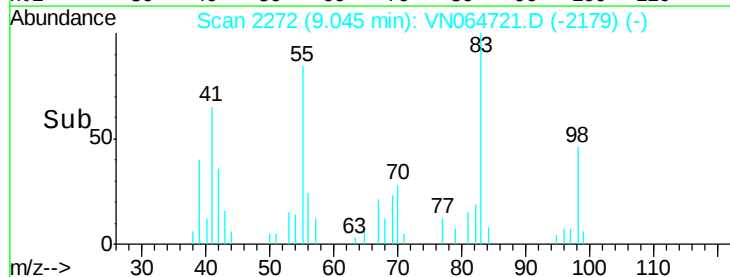
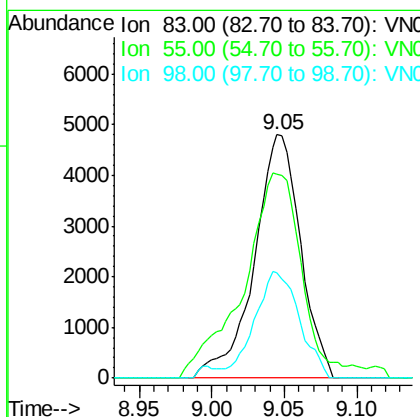
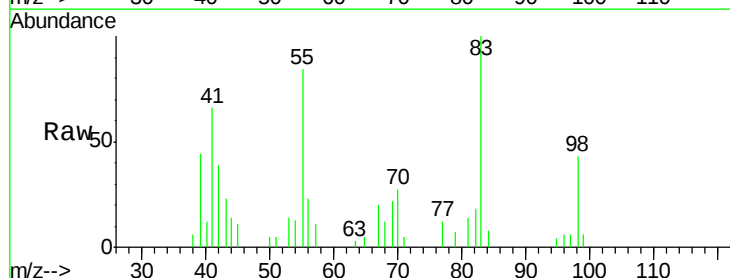
Manual Integrations
APPROVED

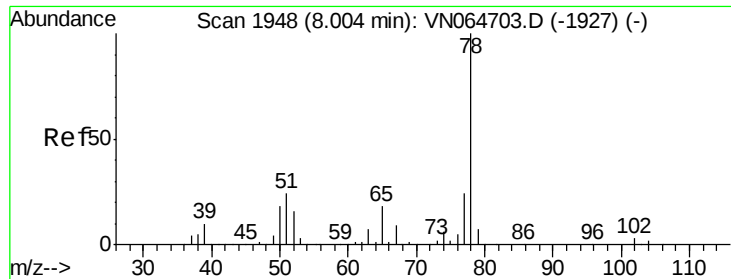
MMDadoda
11/19/2020 2:12:32 PM



#39
Methylcyclohexane
Concen: 2.556 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064721.D
Acq: 18 Nov 2020 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	10624		
55	77.9	64.6	97.0	
98	43.5	37.7	56.5	





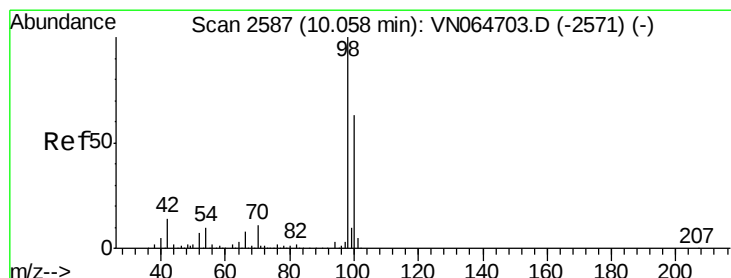
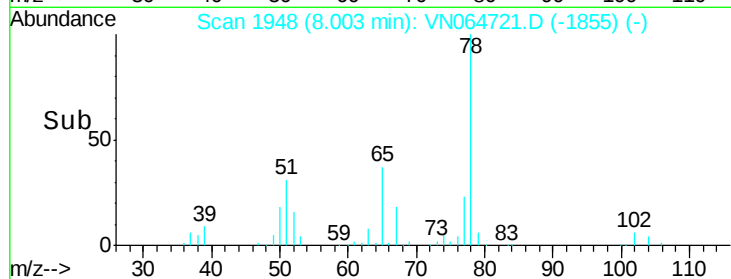
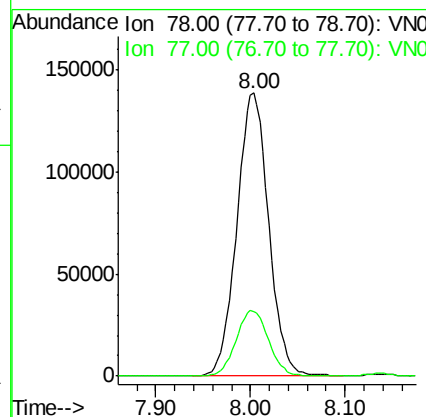
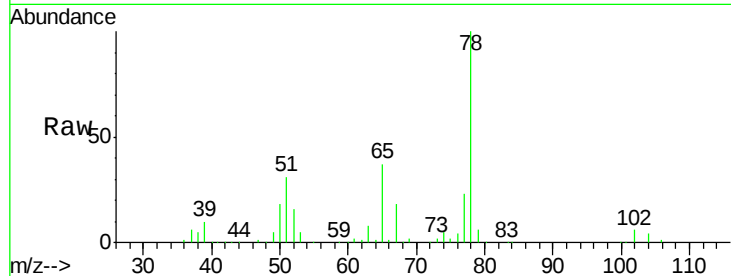
#40
Benzene
Concen: 24.798 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064721.D
Acq: 18 Nov 2020 21:00

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tot Ion: 78 Resp: 324114
Ion Ratio Lower Upper
78 100
77 23.0 19.2 28.8

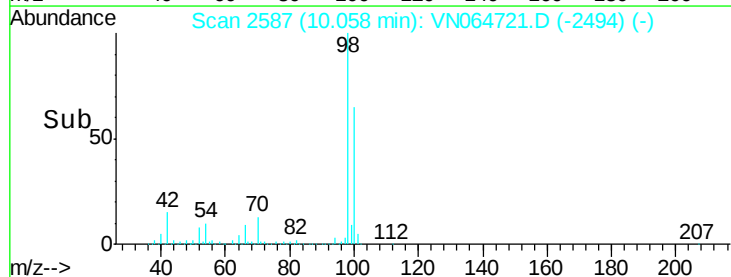
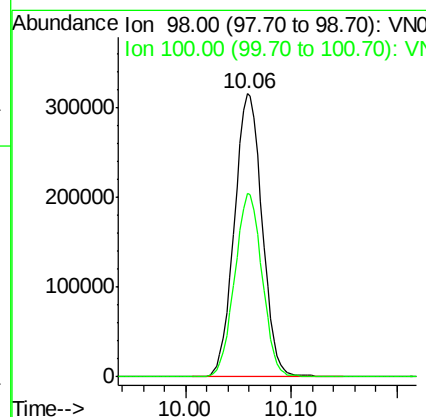
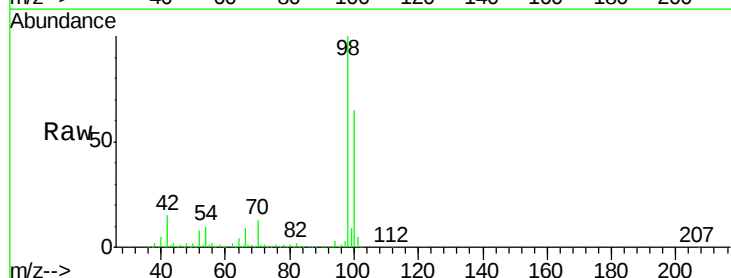
Manual Integrations
APPROVED

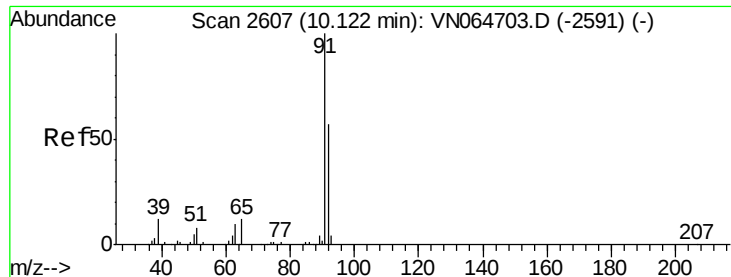
MMDadoda
11/19/2020 2:12:32 PM



#50
Toluene-d8
Concen: 48.786 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064721.D
Acq: 18 Nov 2020 21:00

Tgt Ion: 98 Resp: 575416
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6





#52

Toluene

Concen: 936.247 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064721.D

Acq: 18 Nov 2020 21:00

Instrument :

MSVOA_N

ClientSampled :

MW-3

Tot Ion: 92 Resp: 7536745

Ion Ratio Lower Upper

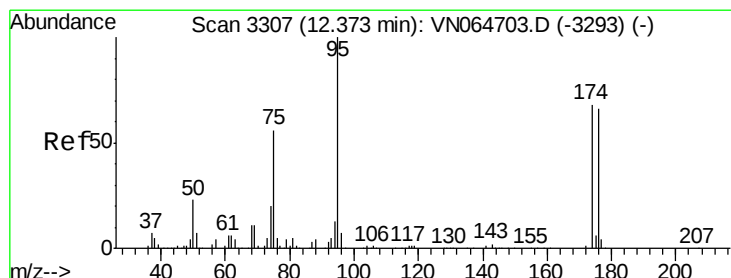
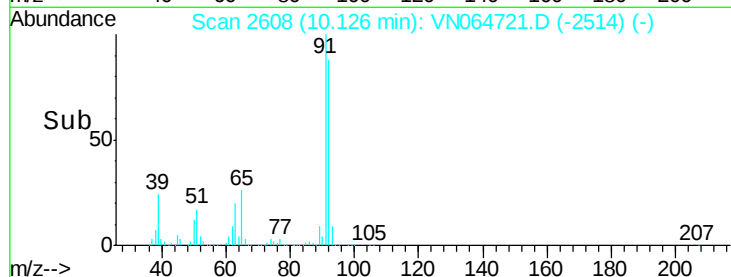
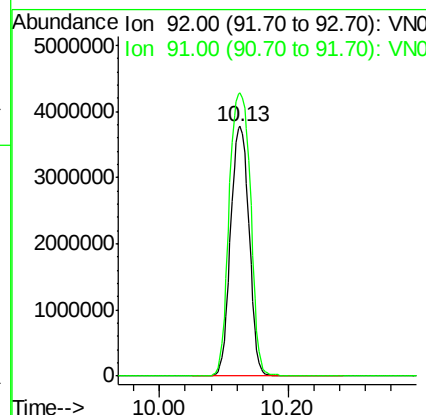
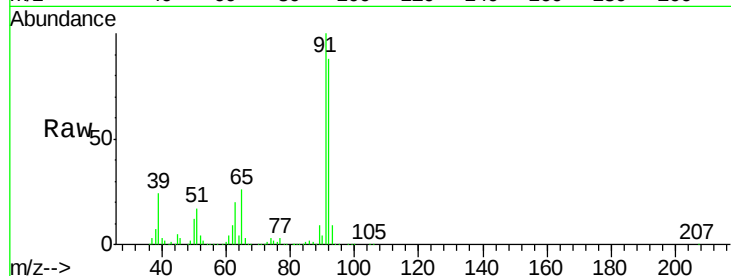
92 100

91 131.2 141.2 211.8#

Manual Integrations
APPROVED

MMDadoda

11/19/2020 2:12:32 PM



#62

4-Bromofluorobenzene

Concen: 60.878 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064721.D

Acq: 18 Nov 2020 21:00

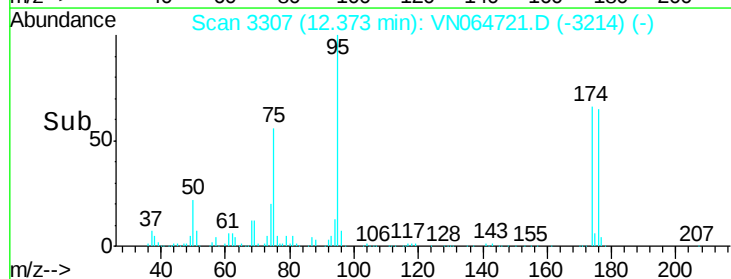
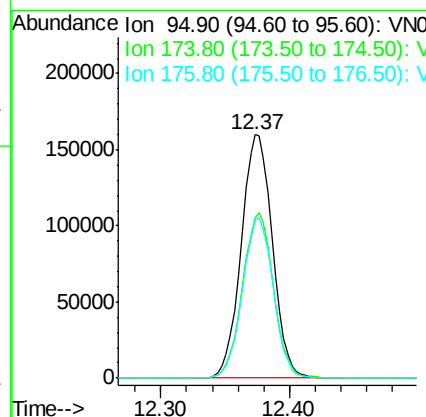
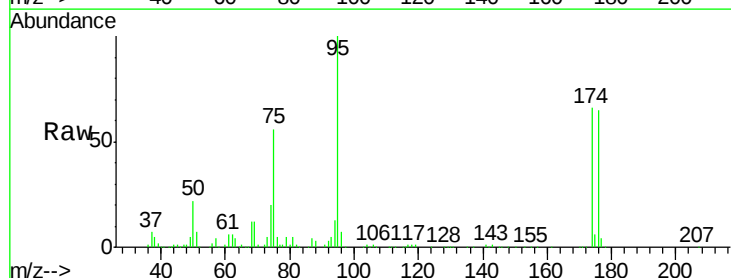
Tgt Ion: 95 Resp: 268386

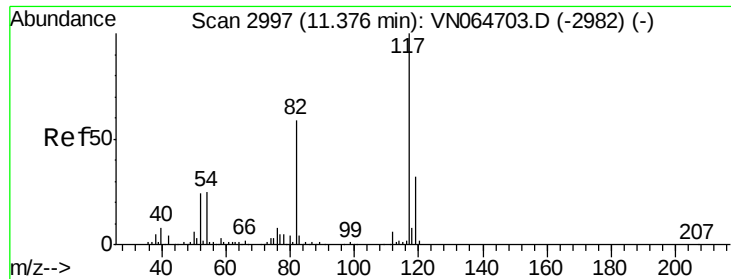
Ion Ratio Lower Upper

95 100

174 67.2 0.0 136.8

176 65.1 0.0 134.2





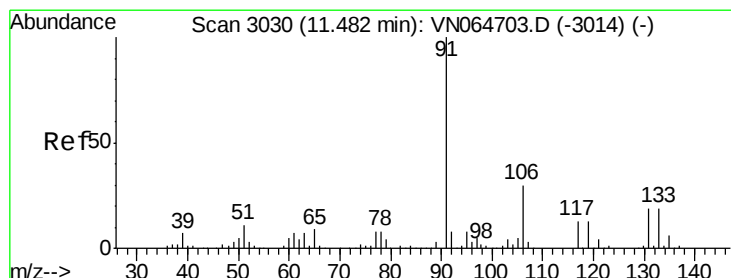
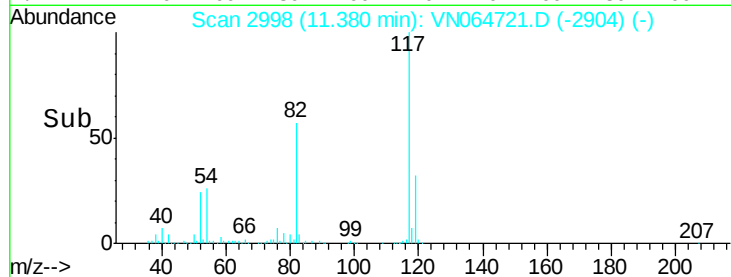
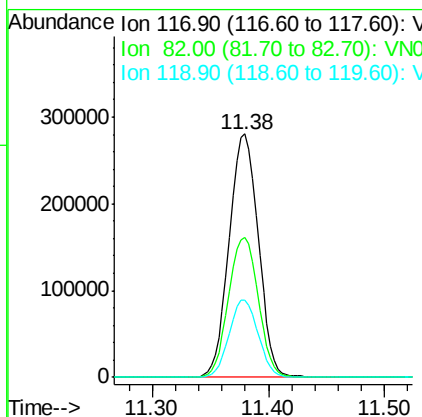
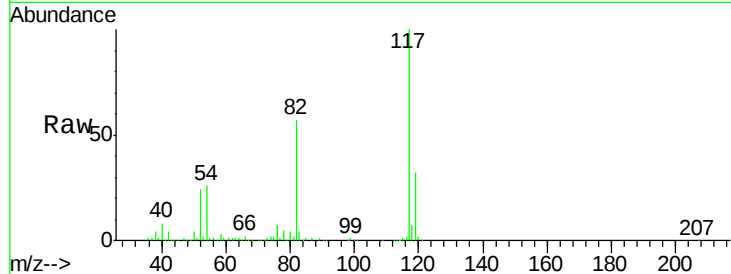
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064721.D
Acq: 18 Nov 2020 21:00

Instrument :
MSVOA_N
ClientSampled :
MW-3

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	47.0	70.6
119	31.9	25.4	38.2

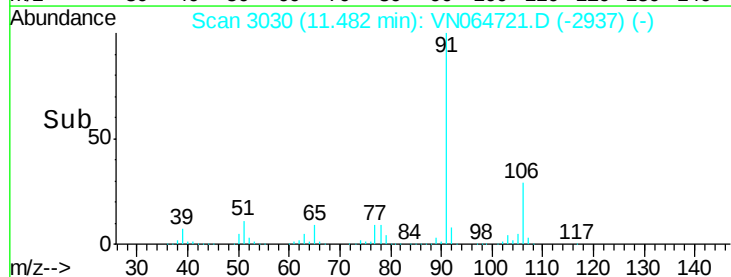
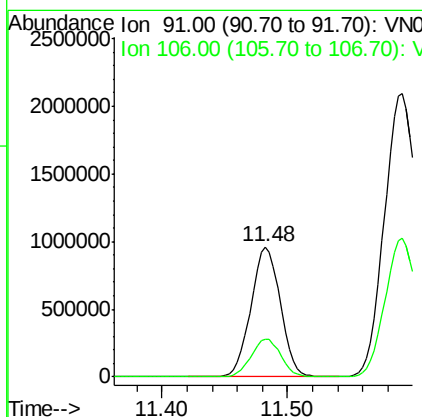
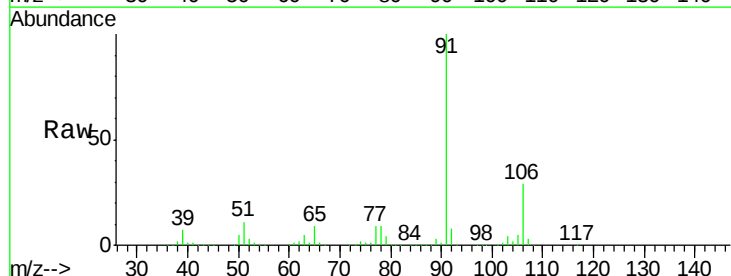
Manual Integrations
APPROVED

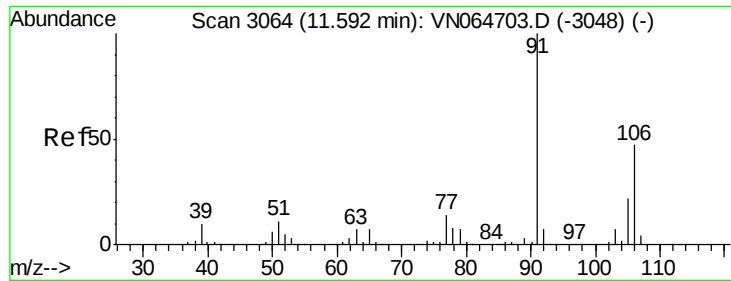
MMDadoda
11/19/2020 2:12:32 PM



#67
Ethyl Benzene
Concen: 85.808 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064721.D
Acq: 18 Nov 2020 21:00

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.9	35.9





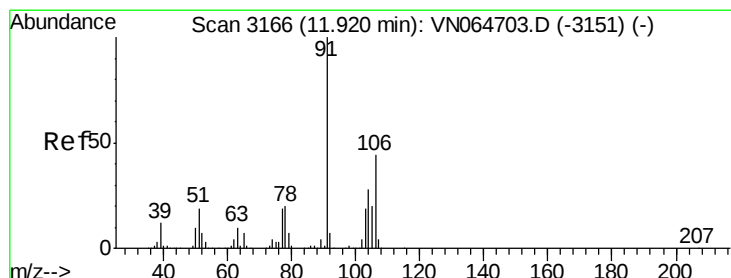
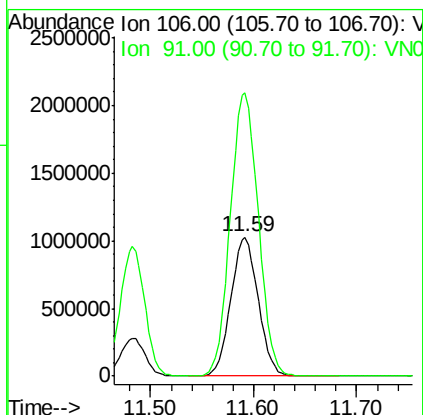
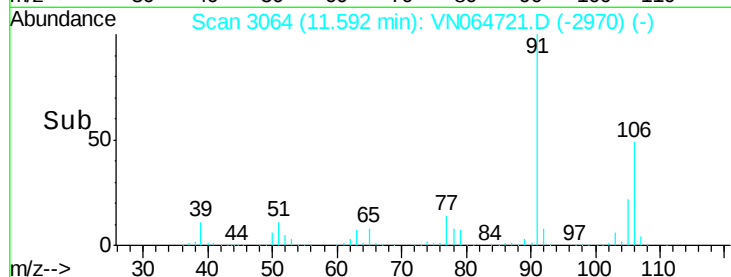
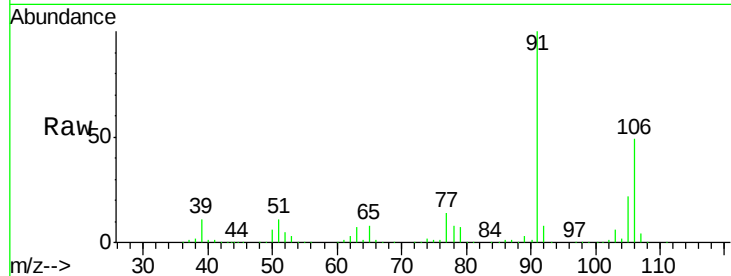
#68
m/p-Xylenes
Concen: 247.914 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN064721.D
Acq: 18 Nov 2020 21:00

Instrument :
MSVOA_N
ClientSampled :
MW-3

Tot Ion:106 Resp: 1891114
Ion Ratio Lower Upper
106 100
91 209.5 171.9 257.9

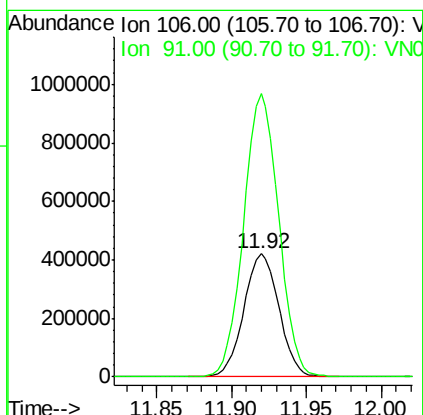
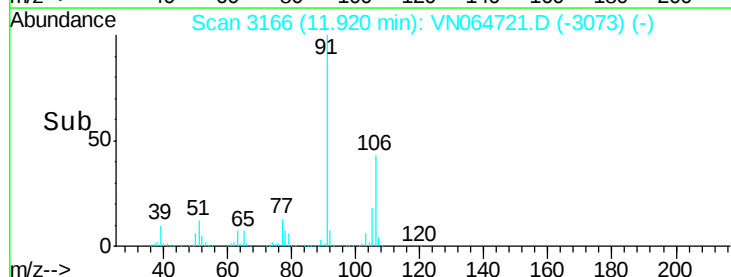
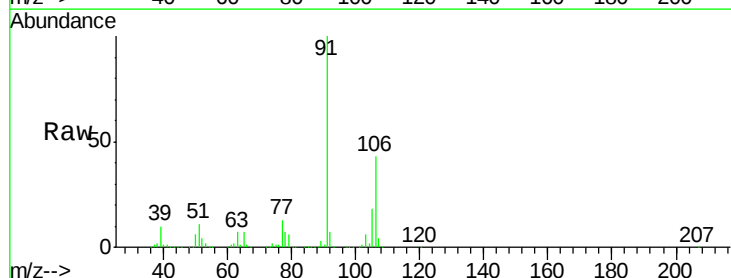
Manual Integrations
APPROVED

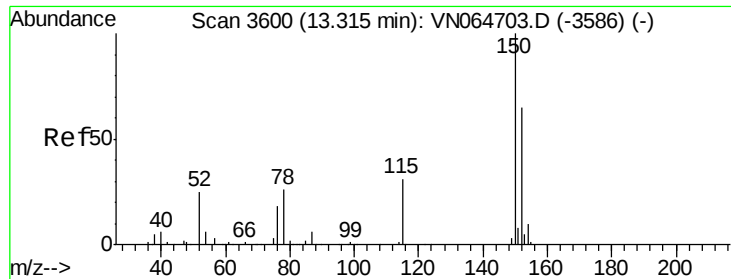
MMDadoda
11/19/2020 2:12:32 PM



#69
o-Xylene
Concen: 107.438 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064721.D
Acq: 18 Nov 2020 21:00

Tgt Ion:106 Resp: 686774
Ion Ratio Lower Upper
106 100
91 230.1 112.1 336.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064721.D

Acq: 18 Nov 2020 21:00

Instrument :

MSVOA_N

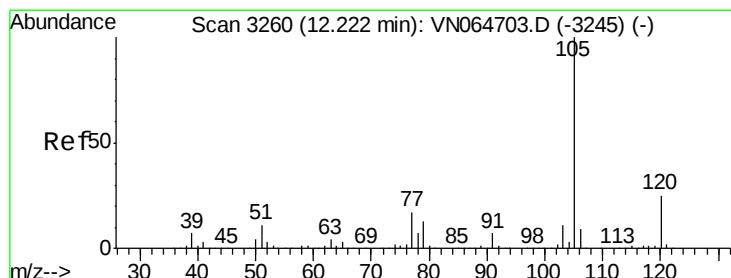
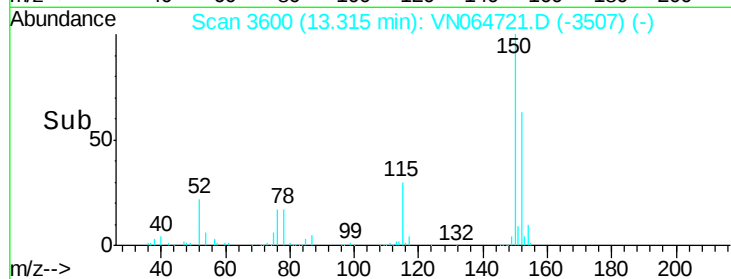
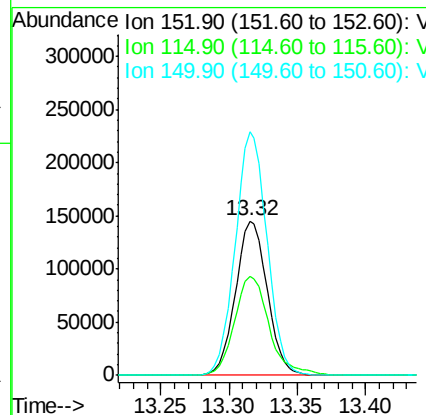
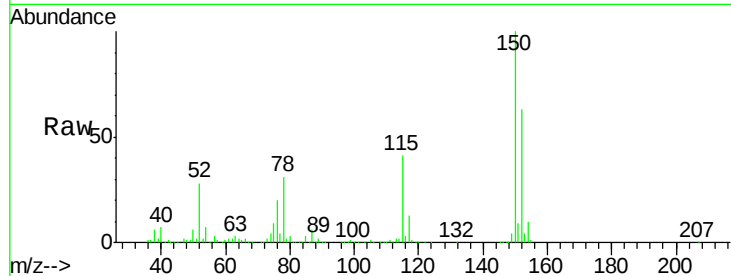
ClientSampled :

MW-3

Tot Ion:	152	Resp:	234851
Ion Ratio	Lower	Upper	
152	100		
115	70.2	32.1	96.3
150	157.5	0.0	344.8

Manual Integrations
APPROVED

MMDadoda
11/19/2020 2:12:32 PM



#73

Isopropylbenzene

Concen: 12.643 ug/l

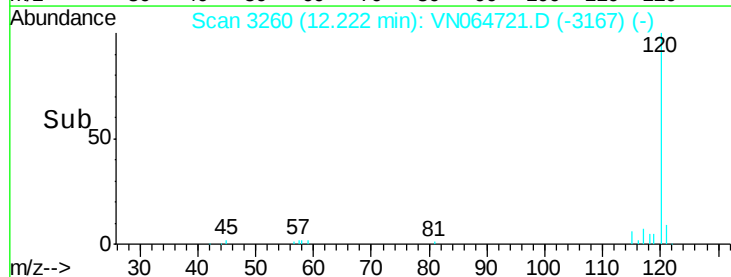
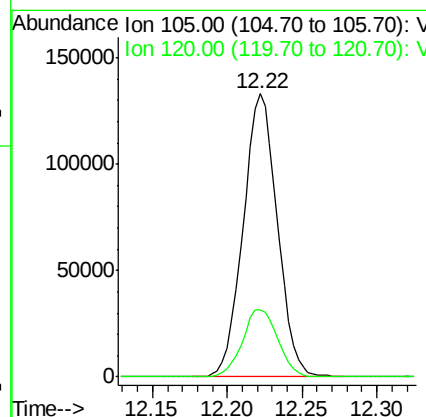
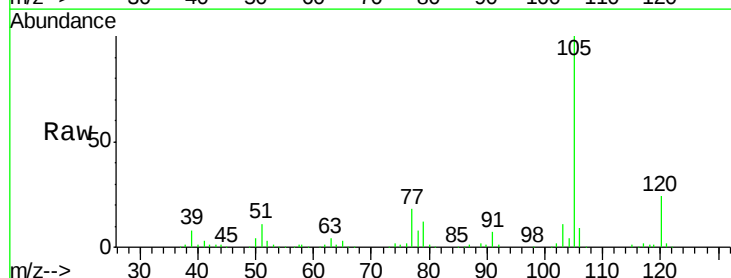
RT: 12.22 min Scan# 3260

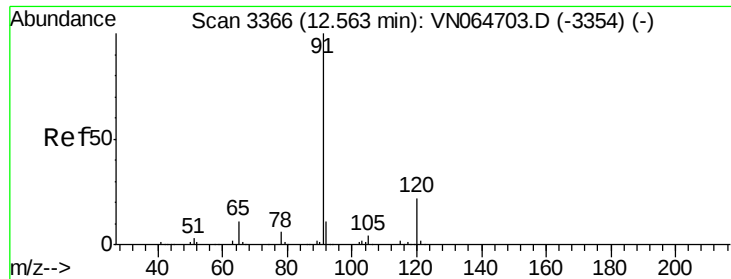
Delta R.T. -0.00 min

Lab File: VN064721.D

Acq: 18 Nov 2020 21:00

Tgt Ion:	105	Resp:	210818
Ion Ratio	Lower	Upper	
105	100		
120	24.9	12.8	38.3





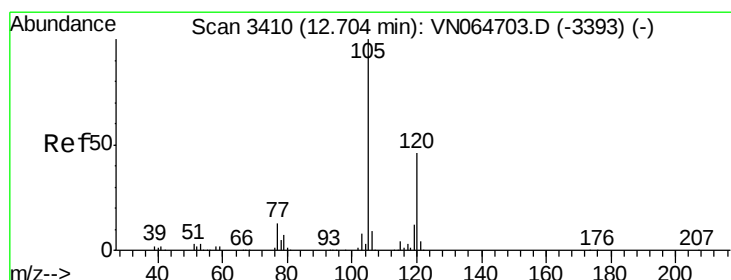
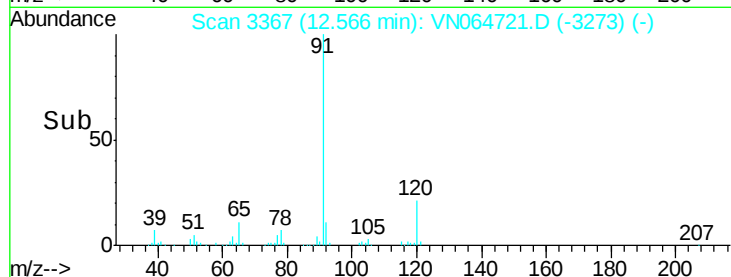
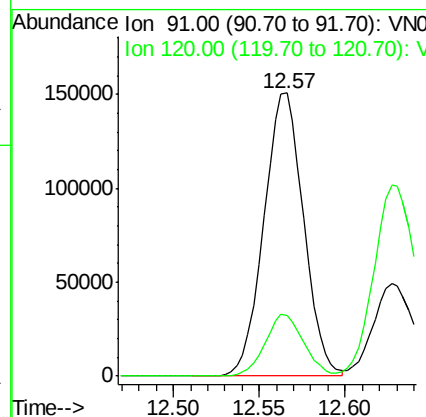
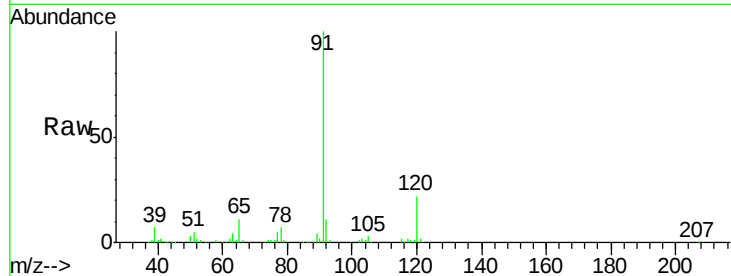
#78
n-propylbenzene
Concen: 12.442 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. 0.00 min
Lab File: VN064721.D
Acq: 18 Nov 2020 21:00

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tot Ion: 91 Resp: 241601
Ion Ratio Lower Upper
91 100
120 21.2 10.9 32.9

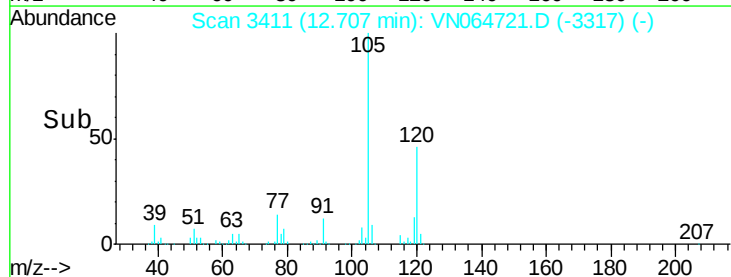
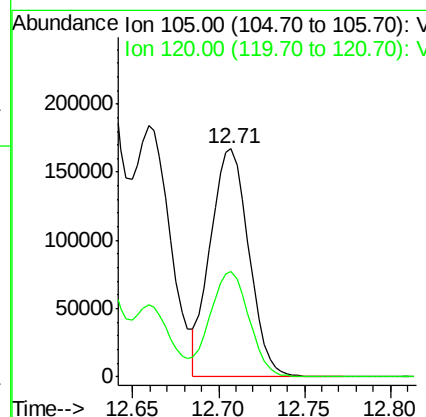
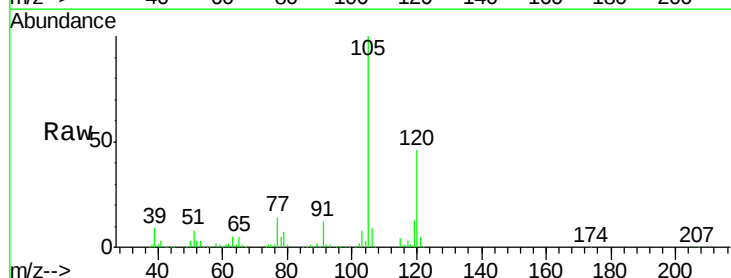
Manual Integrations
APPROVED

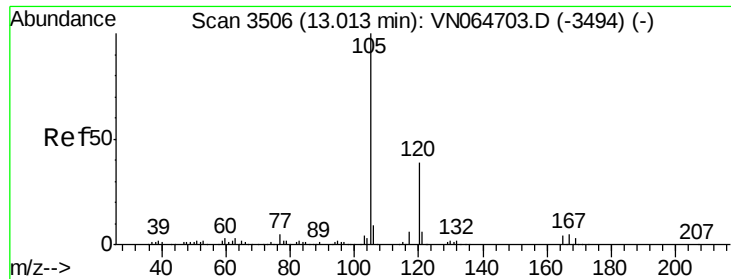
MMDadoda
11/19/2020 2:12:32 PM



#80
1,3,5-Trimethylbenzene
Concen: 18.828 ug/l
RT: 12.71 min Scan# 3411
Delta R.T. 0.00 min
Lab File: VN064721.D
Acq: 18 Nov 2020 21:00

Tgt Ion: 105 Resp: 260793
Ion Ratio Lower Upper
105 100
120 47.7 22.9 68.8





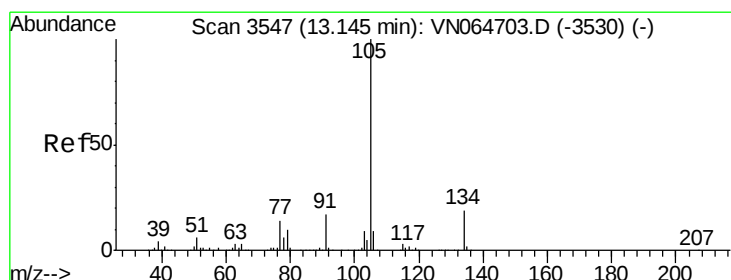
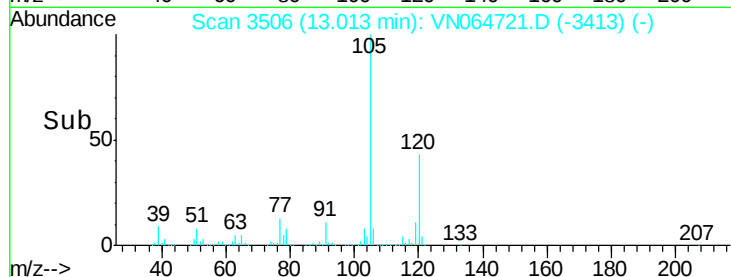
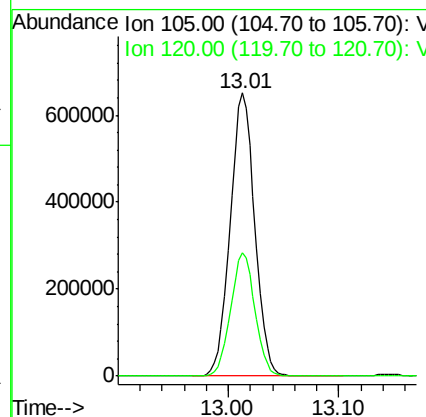
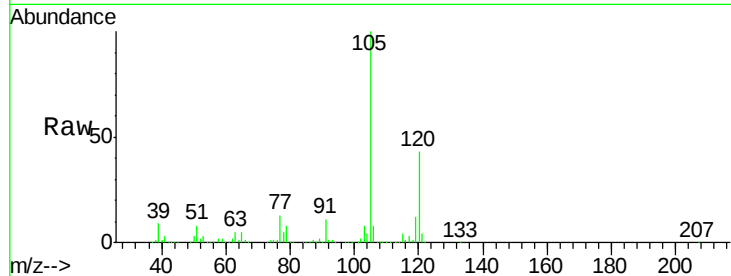
#84
1,2,4-Trimethylbenzene
Concen: 71.011 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064721.D
Acq: 18 Nov 2020 21:00

Instrument :
MSVOA_N
ClientSampled :
MW-3

Tot Ion:105 Resp: 1003865
Ion Ratio Lower Upper
105 100
120 43.1 22.0 66.0

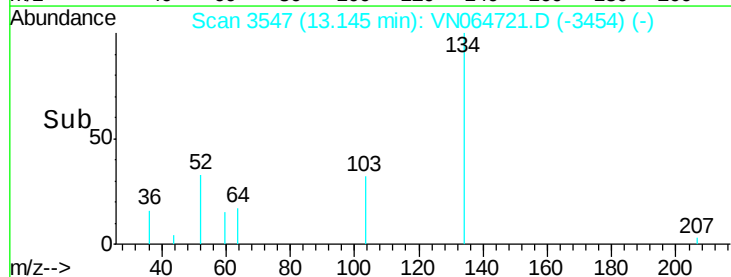
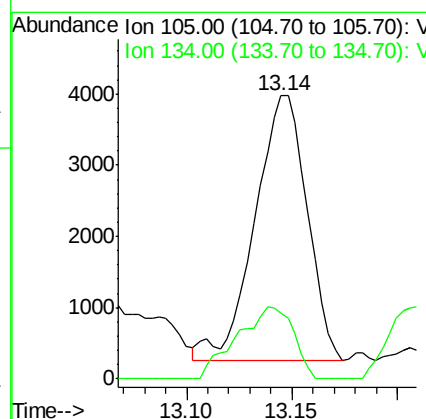
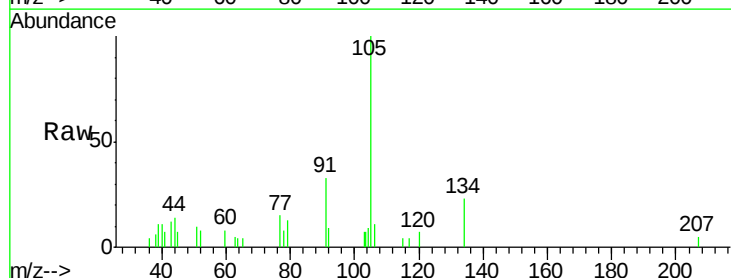
Manual Integrations
APPROVED

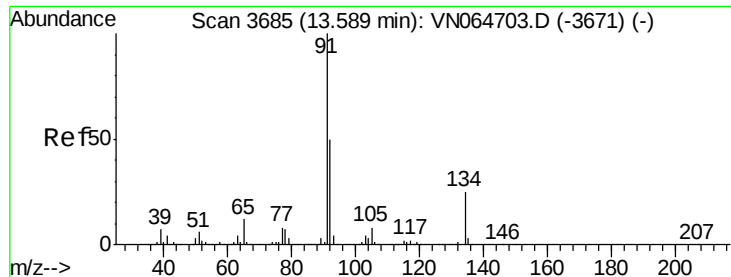
MMDadoda
11/19/2020 2:12:32 PM



#85
sec-Butylbenzene
Concen: 0.445 ug/l m
RT: 13.14 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN064721.D
Acq: 18 Nov 2020 21:00

Tgt Ion:105 Resp: 6361
Ion Ratio Lower Upper
105 100
134 0.0 9.5 28.5#





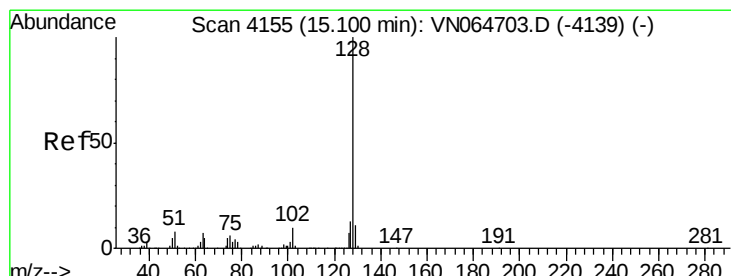
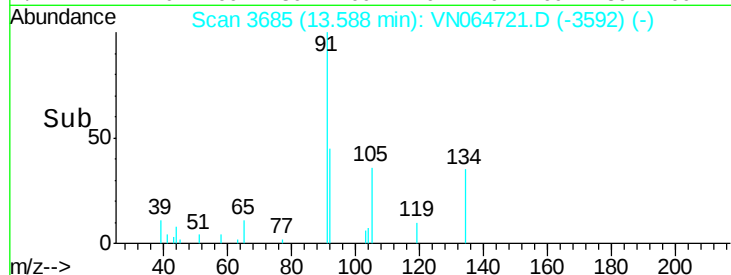
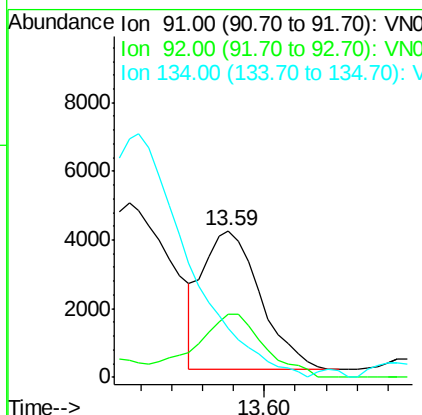
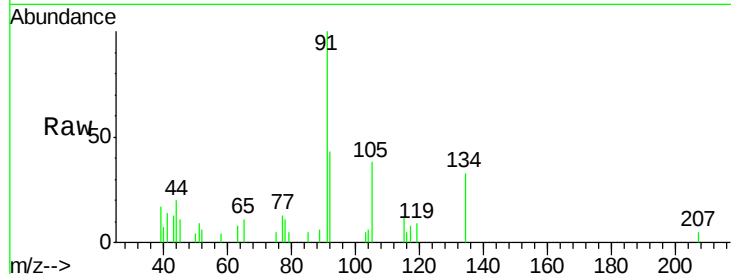
#89
n-Butylbenzene
Concen: 0.427 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064721.D
Acq: 18 Nov 2020 21:00

Instrument :
MSVOA_N
ClientSampled :
MW-3

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	24.9	74.8
134	0.0	12.0	36.0

Manual Integrations
APPROVED

MMDadoda
11/19/2020 2:12:32 PM



#95
Naphthalene
Concen: 10.931 ug/l
RT: 15.10 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN064721.D
Acq: 18 Nov 2020 21:00

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.8	16.2
129	10.8	8.9	13.3

