

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080620\
 Data File : VN062773.D
 Acq On : 6 Aug 2020 17:55
 Operator : JC/MD
 Sample : L3563-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 NWM-COMP

Manual Integrations
 APPROVED

MMDadoda
 8/7/2020 12:50:50 PM

Quant Time: Aug 07 04:46:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	132937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	238618	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	235696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	100973	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	110147	50.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.20%	
35) Dibromofluoromethane	7.55	113	80176	49.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.24%	
50) Toluene-d8	10.06	98	308813	48.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.92%	
62) 4-Bromofluorobenzene	12.38	95	117384	48.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.48%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.74	59	10940	30.363	ug/l #	94
16) Acetone	3.77	43	3766050	4741.039	ug/l	98
20) Methylene Chloride	4.51	84	3186	1.453	ug/l	84
25) 2-Butanone	6.79	43	67666	60.145	ug/l	97
30) Chloroform	7.33	83	5027	1.629	ug/l	88
51) 4-Methyl-2-Pentanone	9.95	43	68673	26.218	ug/l	97
52) Toluene	10.12	92	49222	11.498	ug/l	97
67) Ethyl Benzene	11.48	91	12545	1.423	ug/l	98
68) m/p-Xylenes	11.59	106	20752	6.484	ug/l	93
69) o-Xylene	11.92	106	20376	6.794	ug/l	100
78) n-propylbenzene	12.57	91	10277	1.151	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	22319	3.384	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	71895	11.393	ug/l	98
89) n-Butylbenzene	13.59	91	5561m	1.011	ug/l	
95) Naphthalene	15.10	128	47999	13.282	ug/l	99

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

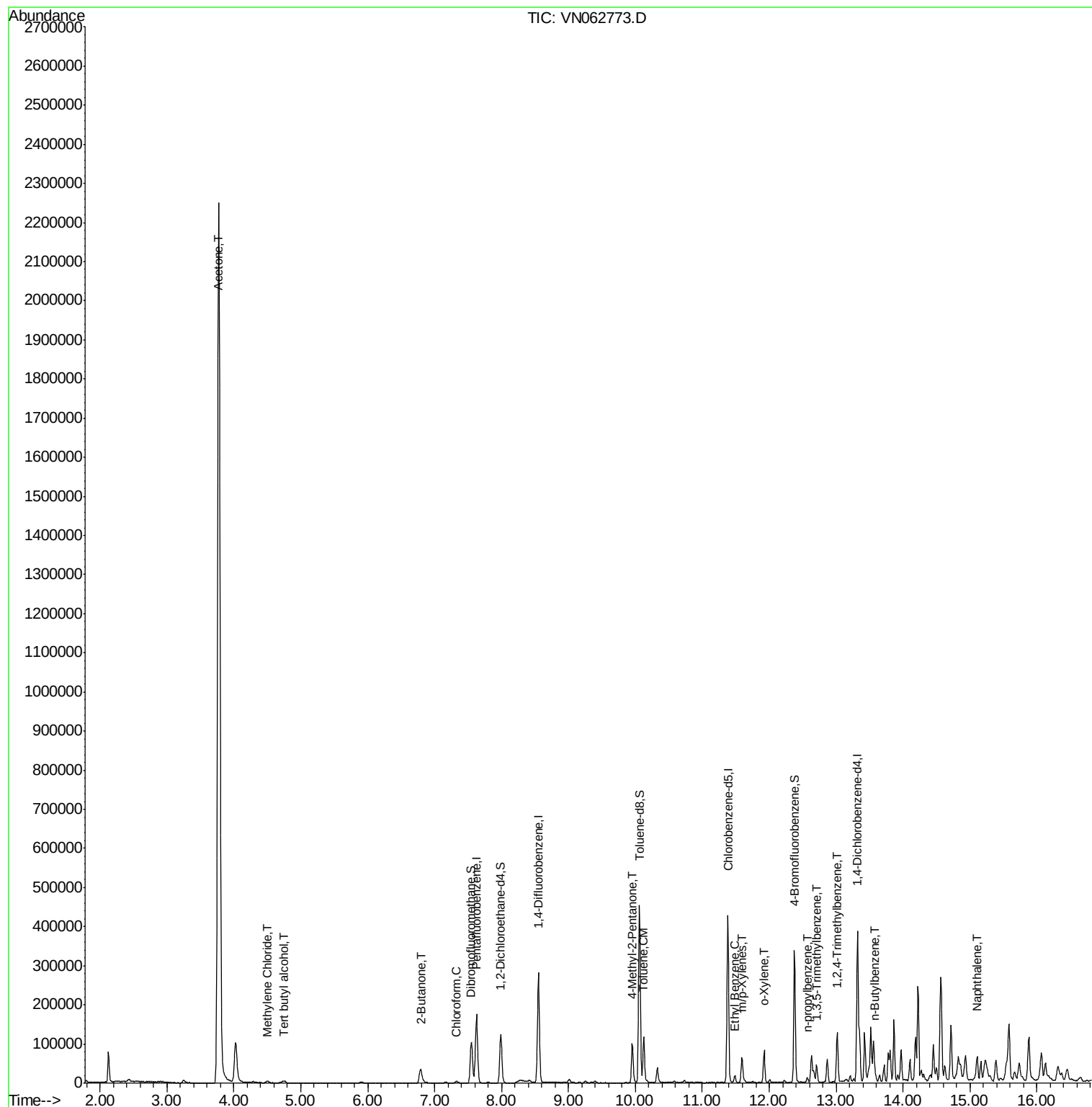
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080620\
Data File : VN062773.D
Acq On : 6 Aug 2020 17:55
Operator : JC/MD
Sample : L3563-05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

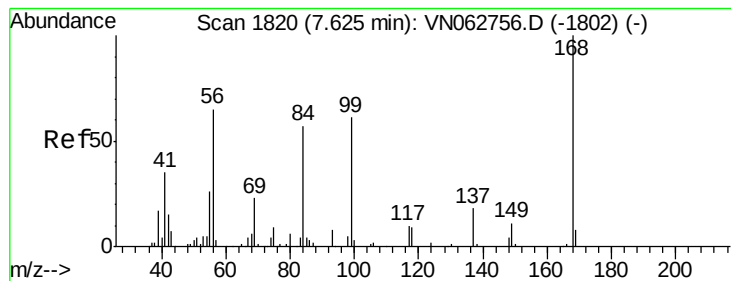
Instrument :
MSVOA_N
ClientSampleId :
NWM-COMP

Manual Integrations
APPROVED

MMDadoda
8/7/2020 12:50:50 PM

Quant Time: Aug 07 04:46:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:26:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062773.D

Acq: 6 Aug 2020 17:55

Instrument :

MSVOA_N

ClientSampled :

NWM-COMP

Tot Ion:168 Resp: 132937

Ion Ratio Lower Upper

168 100

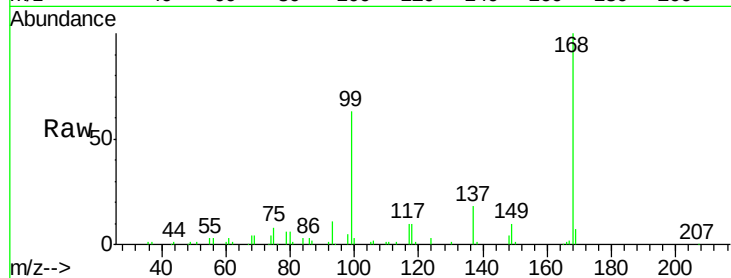
99 63.3 52.9 79.3

Manual Integrations

APPROVED

MMDadoda

8/7/2020 12:50:50 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

60000

50000

40000

30000

20000

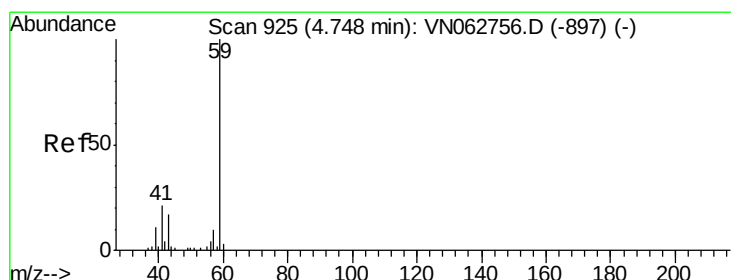
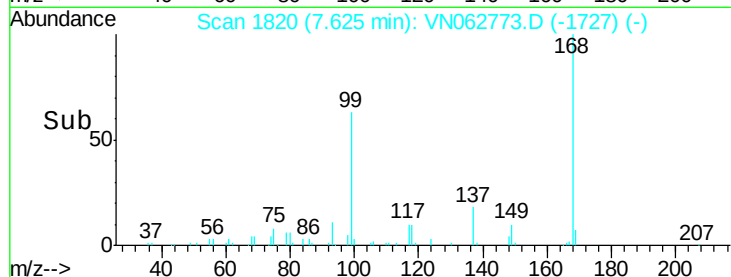
10000

0

7.50

7.60

7.70



#11

Tert butyl alcohol

Concen: 30.363 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.00 min

Lab File: VN062773.D

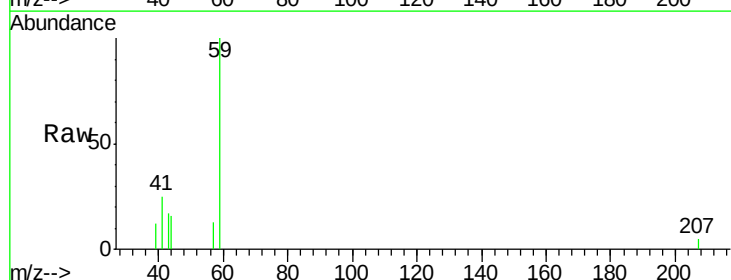
Acq: 6 Aug 2020 17:55

Tgt Ion: 59 Resp: 10940

Ion Ratio Lower Upper

59 100

57 8.3 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

3000

2000

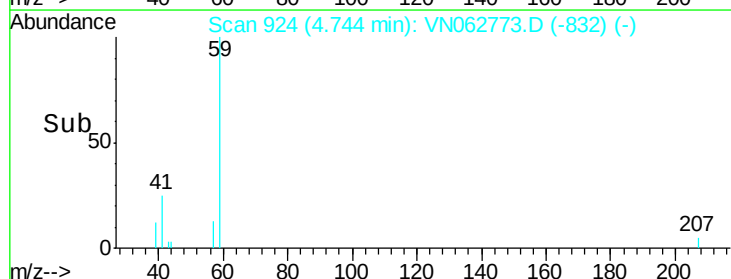
1000

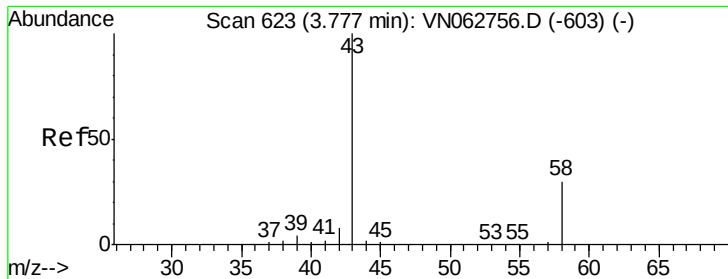
0

4.60

4.70

4.80





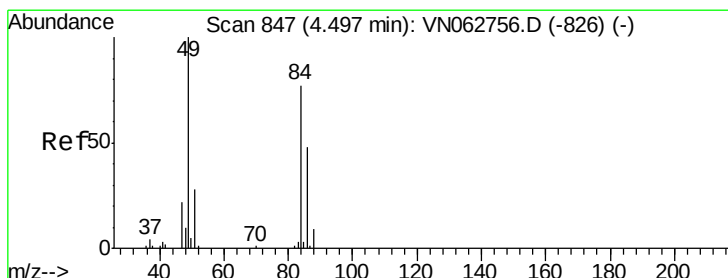
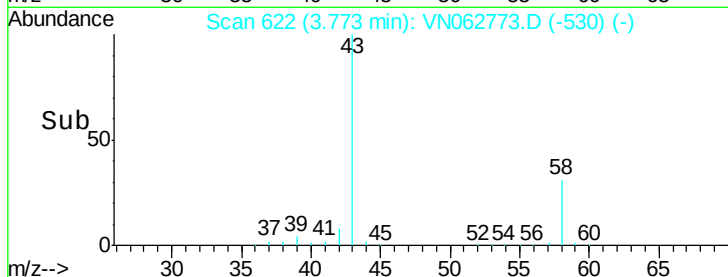
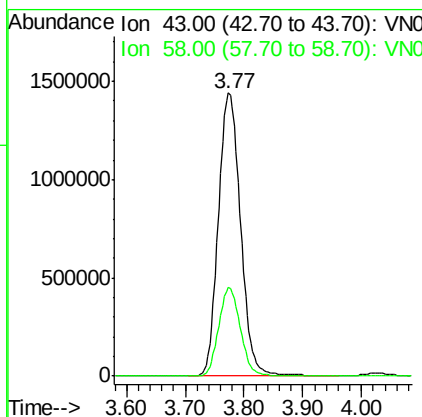
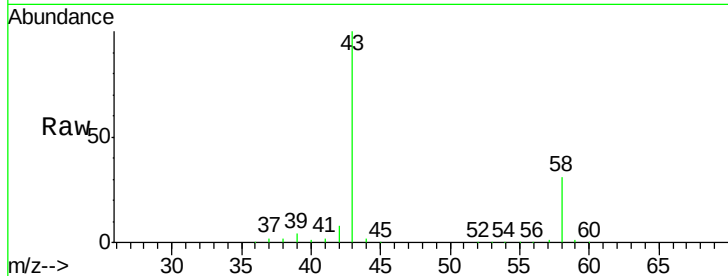
#16
Acetone
Concen: 4741.039 ug/l
RT: 3.77 min Scan# 622
Delta R.T. -0.00 min
Lab File: VN062773.D
Acq: 6 Aug 2020 17:55

Instrument :
MSVOA_N
ClientSampled :
NWM-COMP

Tot Ion: 43 Resp: 3766050
Ion Ratio Lower Upper
43 100
58 31.2 24.1 36.1

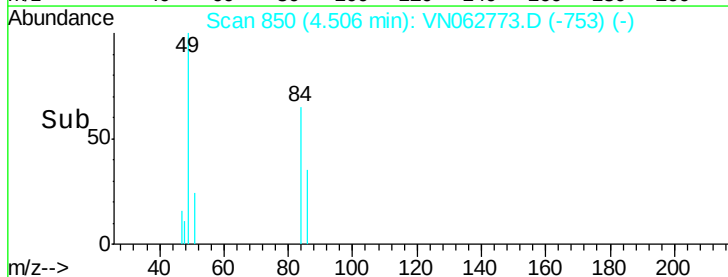
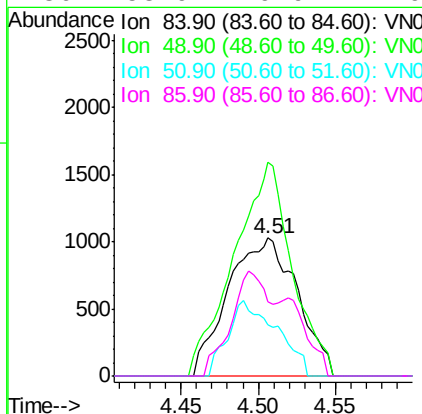
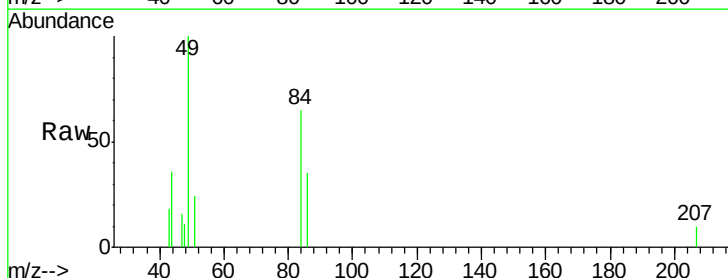
Manual Integrations
APPROVED

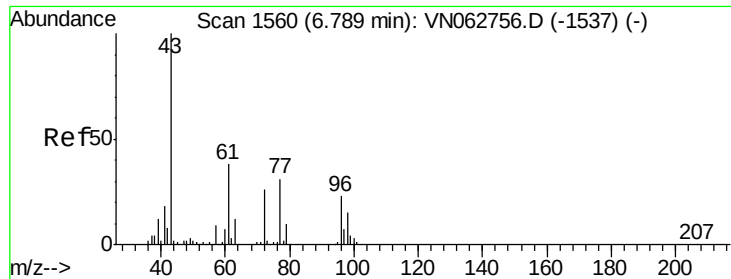
MMDadoda
8/7/2020 12:50:50 PM



#20
Methylene Chloride
Concen: 1.453 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN062773.D
Acq: 6 Aug 2020 17:55

Tgt Ion: 84 Resp: 3186
Ion Ratio Lower Upper
84 100
49 154.9 103.4 155.2
51 37.0 29.3 43.9
86 53.9 49.9 74.9





#25

2-Butanone

Concen: 60.145 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VN062773.D

Acq: 6 Aug 2020 17:55

Instrument :

MSVOA_N

ClientSampled :

NWM-COMP

Tot Ion: 43 Resp: 67666

Ion Ratio Lower Upper

43 100

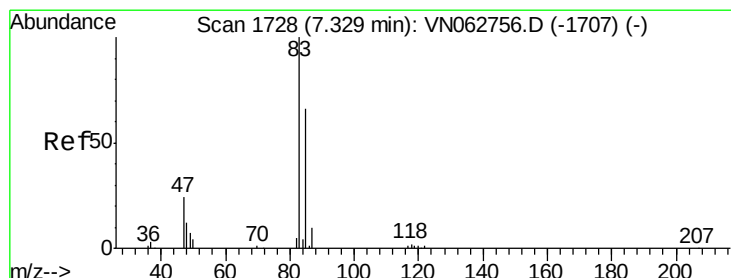
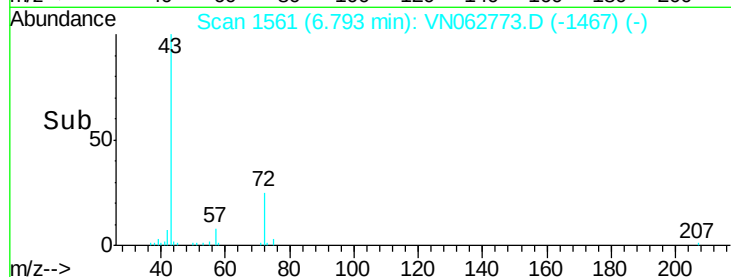
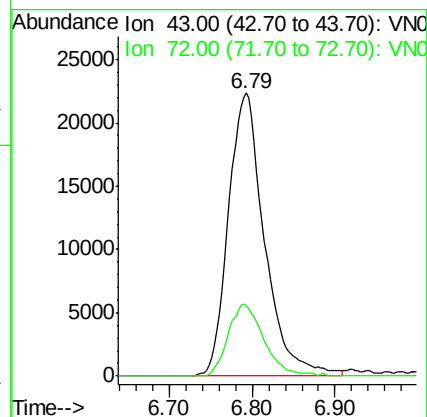
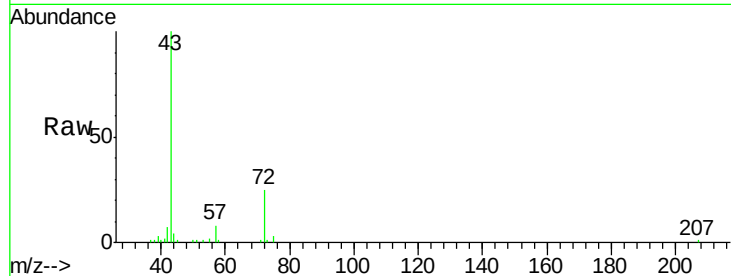
72 25.0 21.1 31.7

Manual Integrations

APPROVED

MMDadoda

8/7/2020 12:50:50 PM



#30

Chloroform

Concen: 1.629 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. 0.00 min

Lab File: VN062773.D

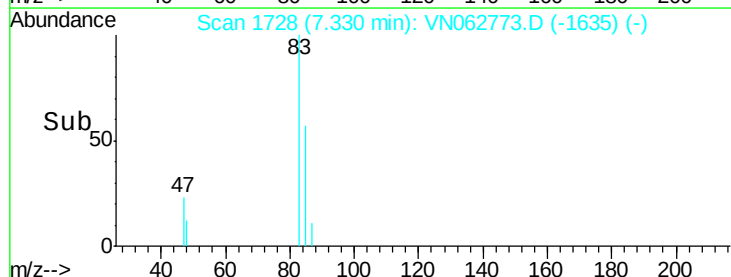
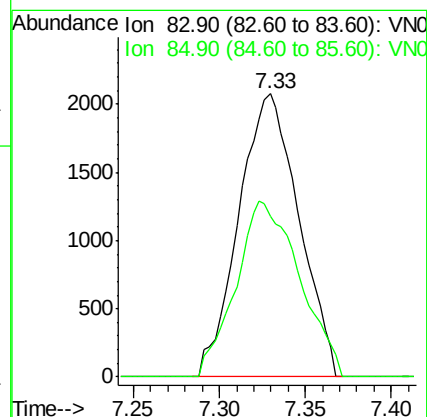
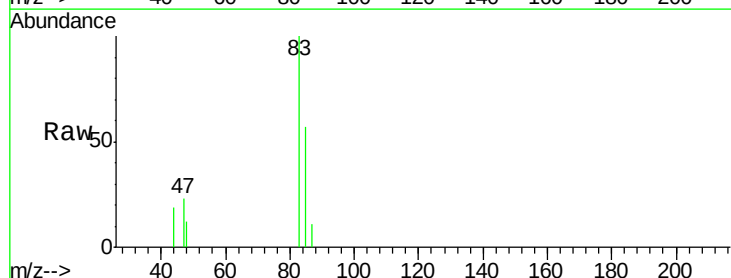
Acq: 6 Aug 2020 17:55

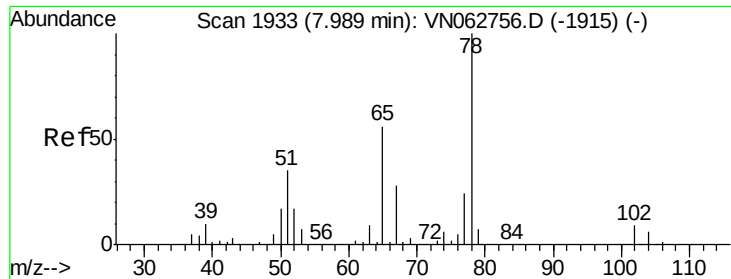
Tgt Ion: 83 Resp: 5027

Ion Ratio Lower Upper

83 100

85 56.6 52.7 79.1





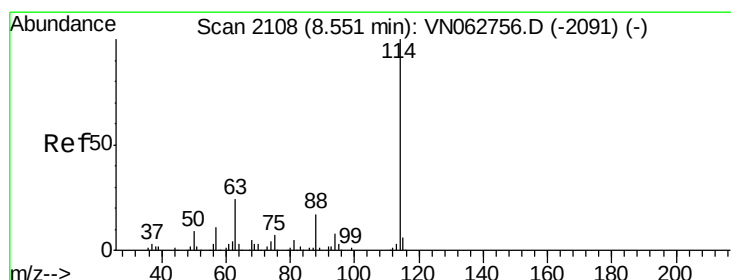
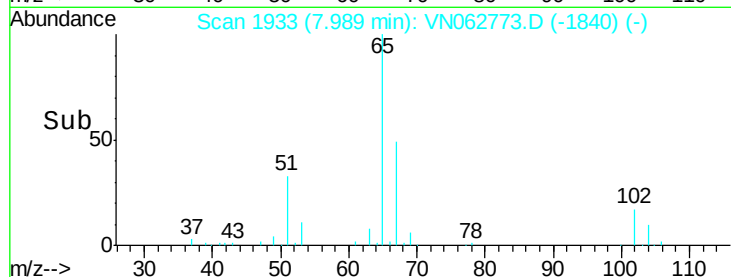
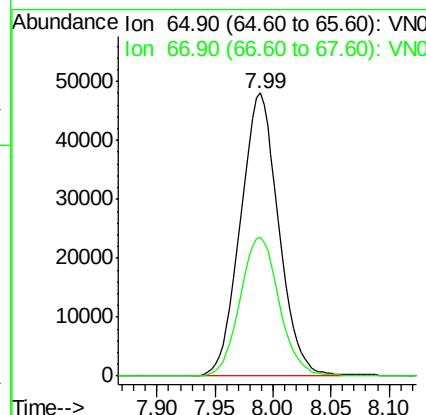
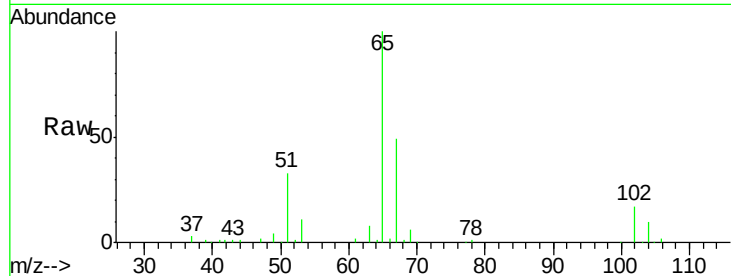
#33
 1,2-Dichloroethane-d4
 Concen: 50.104 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062773.D
 Acq: 6 Aug 2020 17:55

Instrument :
 MSVOA_N
 ClientSampled :
 NWM-COMP

Tot Ion	Ratio	Resp	Lower	Upper
65	100	110147		
67	50.2	0.0	101.4	

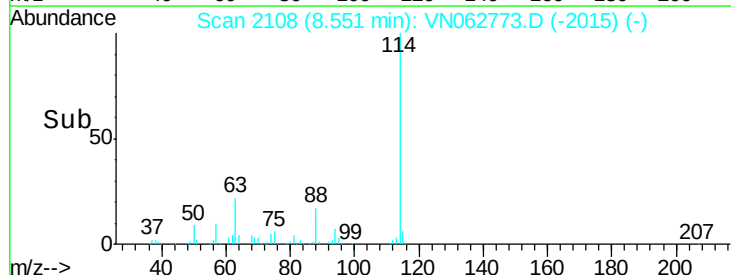
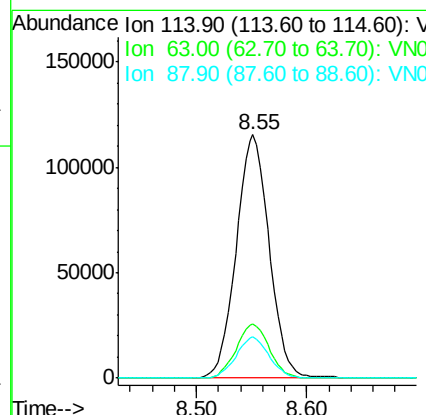
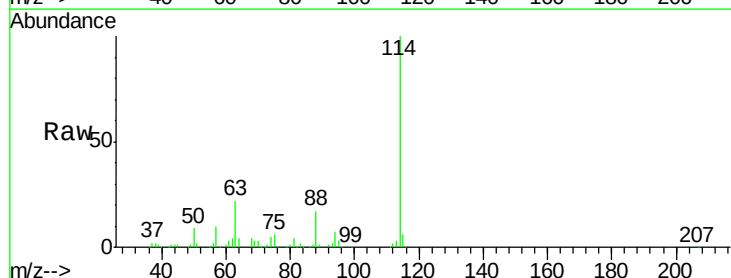
Manual Integrations
 APPROVED

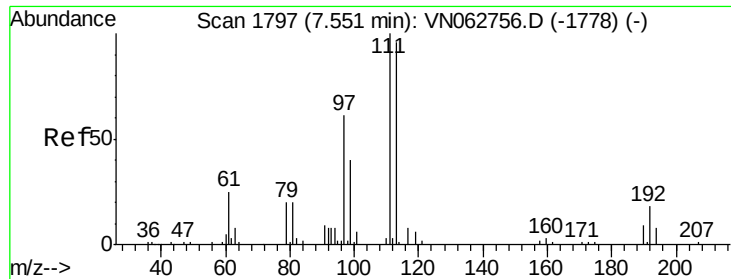
MMDadoda
 8/7/2020 12:50:50 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062773.D
 Acq: 6 Aug 2020 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	238618		
63	22.1	0.0	47.6	
88	16.8	0.0	34.4	





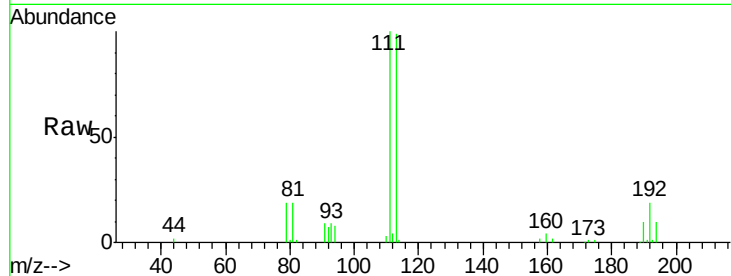
#35
Dibromofluoromethane
Concen: 49.119 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN062773.D
Acq: 6 Aug 2020 17:55

Instrument :
MSVOA_N
ClientSampled :
NWM-COMP

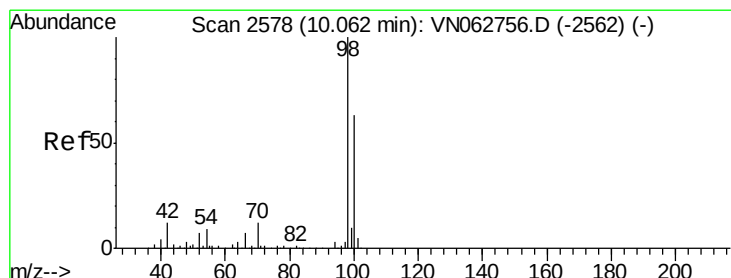
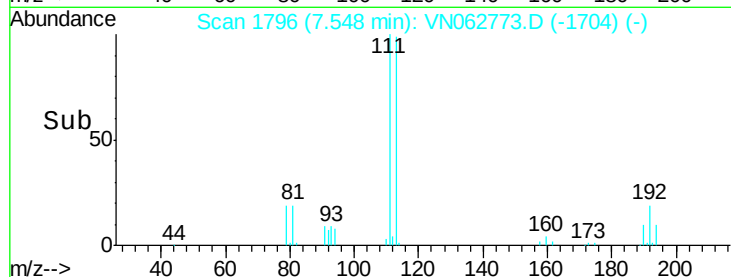
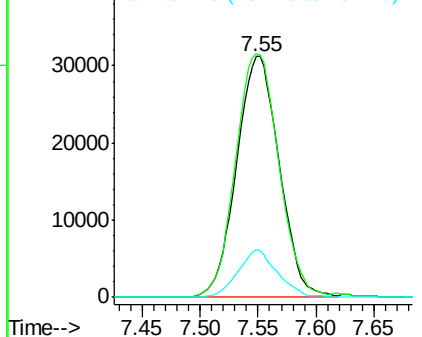
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	18.0	15.0	22.4

Manual Integrations
APPROVED

MMDadoda
8/7/2020 12:50:50 PM

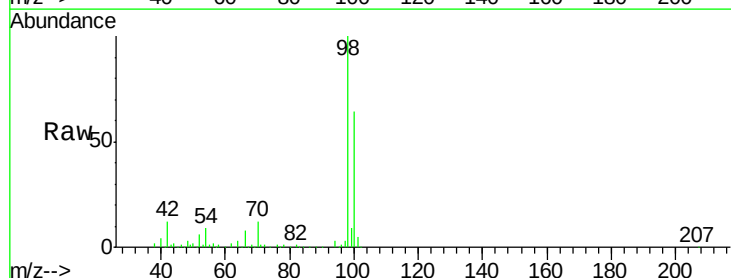


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

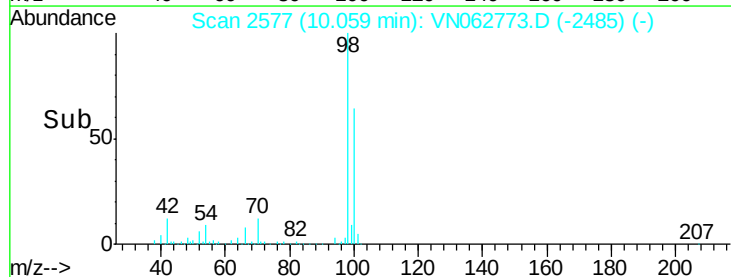
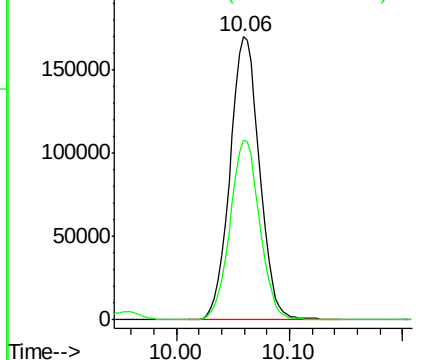


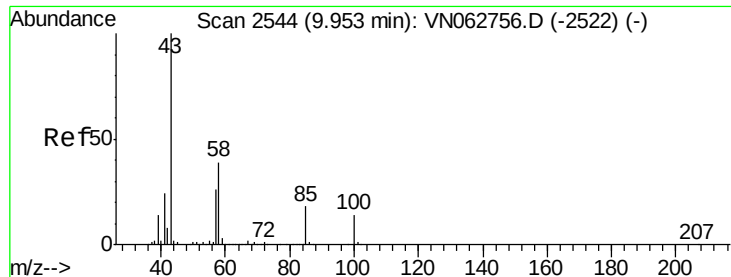
#50
Toluene-d8
Concen: 48.460 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062773.D
Acq: 6 Aug 2020 17:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.9	76.3



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





#51

4-Methyl-2-Pentanone

Concen: 26.218 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062773.D

Acq: 6 Aug 2020 17:55

Instrument :

MSVOA_N

ClientSampled :

NWM-COMP

Tot Ion: 43 Resp: 68673

Ion Ratio Lower Upper

43 100

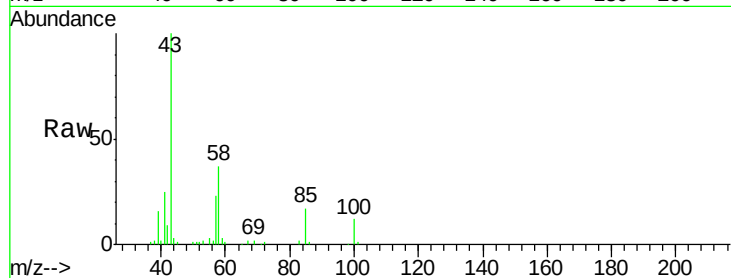
58 36.9 31.1 46.7

Manual Integrations

APPROVED

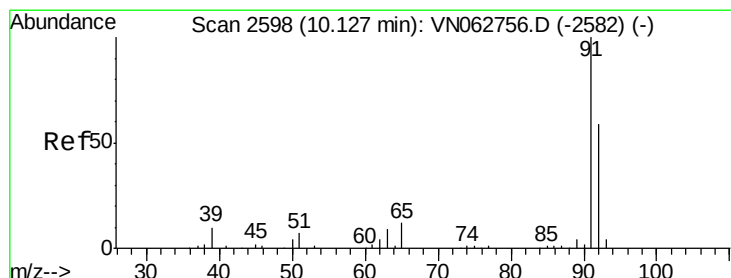
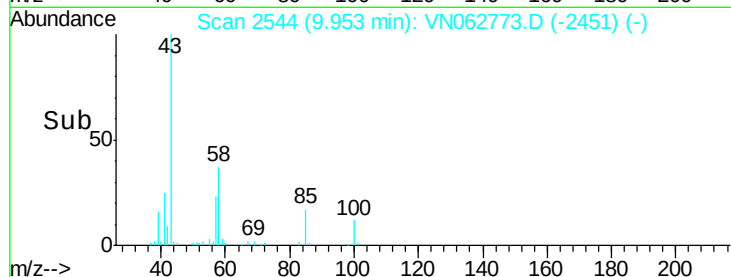
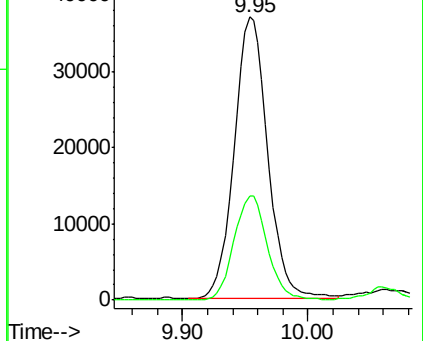
MMDadoda

8/7/2020 12:50:50 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 11.498 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062773.D

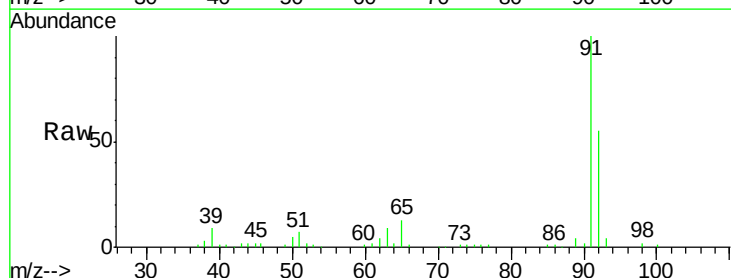
Acq: 6 Aug 2020 17:55

Tgt Ion: 92 Resp: 49222

Ion Ratio Lower Upper

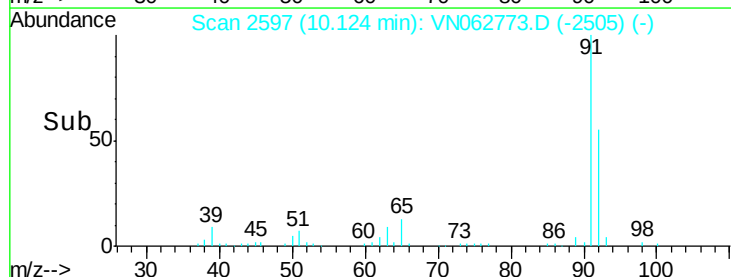
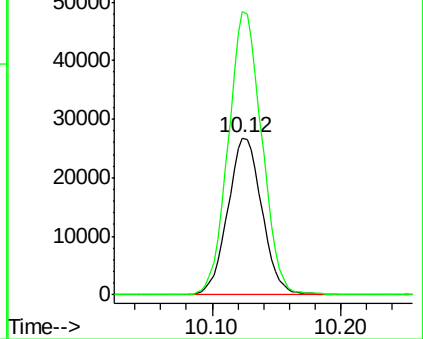
92 100

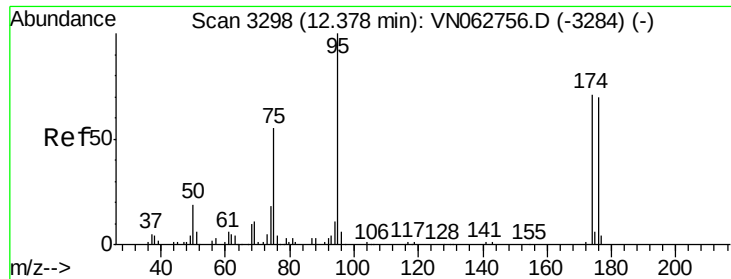
91 177.5 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#62

4-Bromofluorobenzene

Concen: 48.744 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062773.D

Acq: 6 Aug 2020 17:55

Instrument :

MSVOA_N

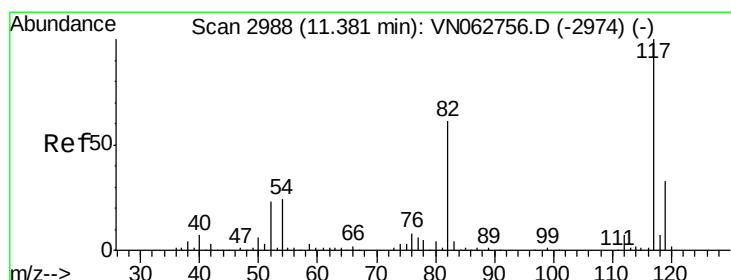
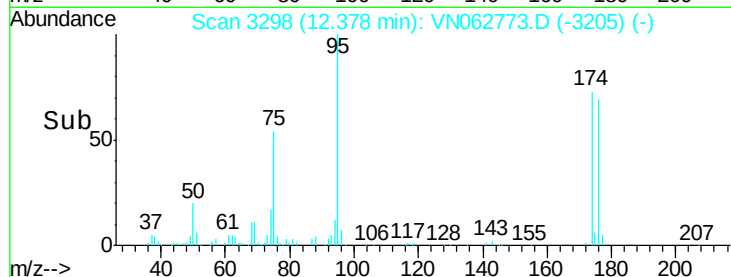
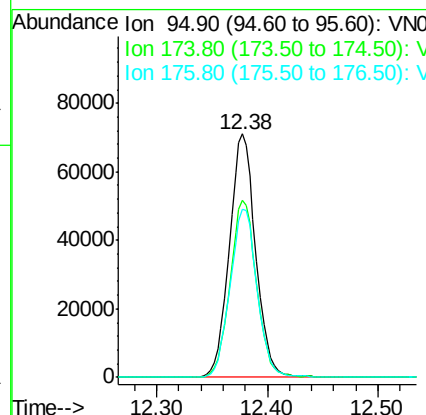
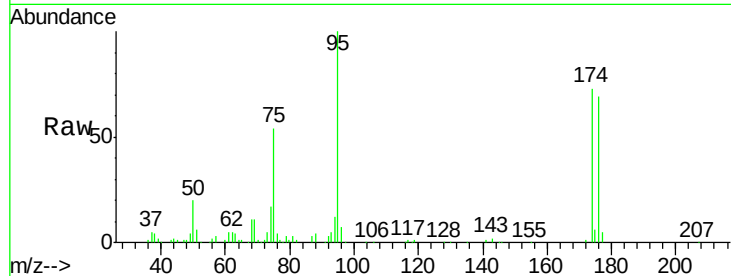
ClientSampled :

NWM-COMP

Tot Ion:	95	Resp:	117384
Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	144.8
176	70.3	0.0	142.2

Manual Integrations
APPROVED

MMDadoda
8/7/2020 12:50:50 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

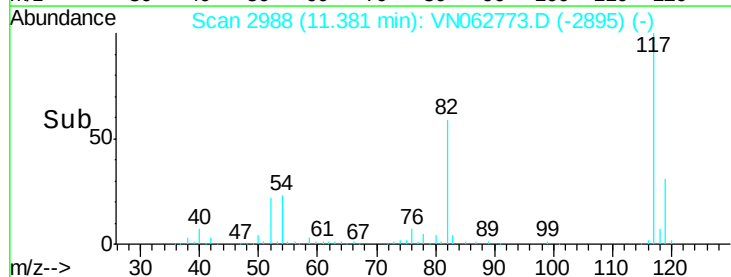
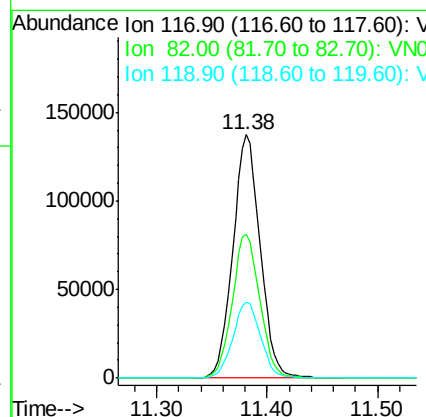
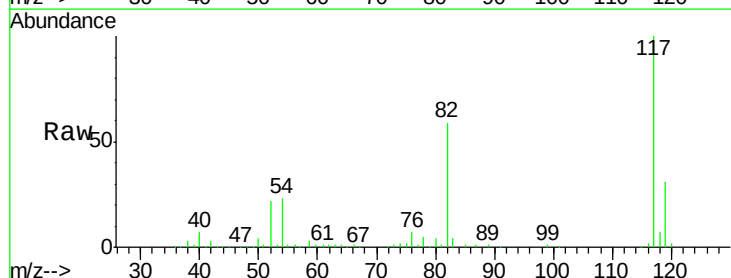
RT: 11.38 min Scan# 2988

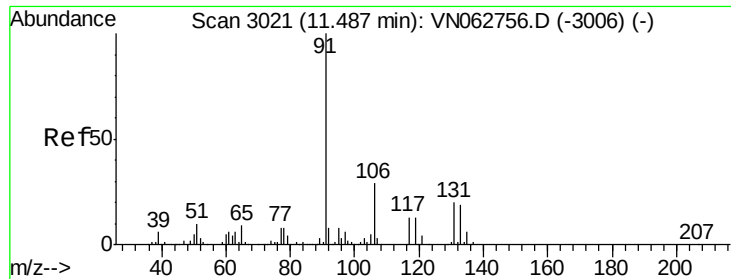
Delta R.T. 0.00 min

Lab File: VN062773.D

Acq: 6 Aug 2020 17:55

Tgt Ion:	117	Resp:	235696
Ion	Ratio	Lower	Upper
117	100		
82	59.2	49.0	73.4
119	31.3	26.2	39.2





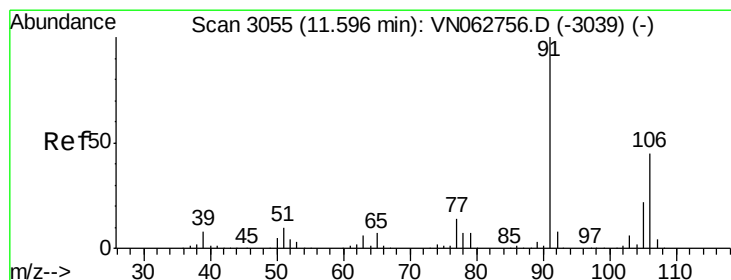
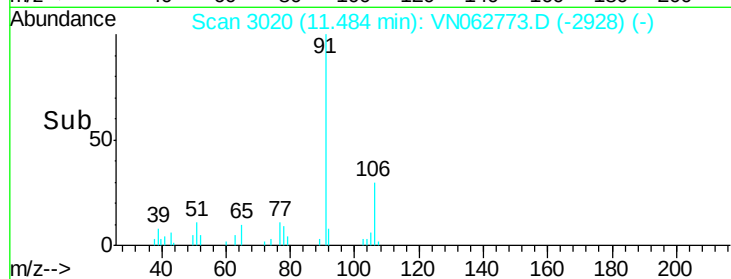
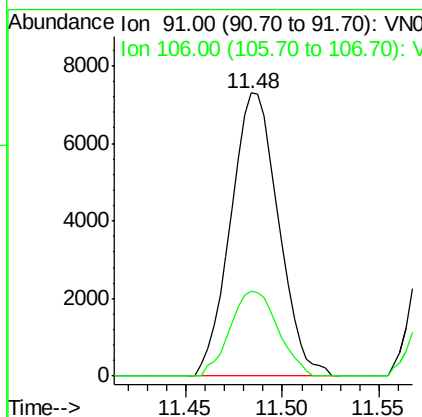
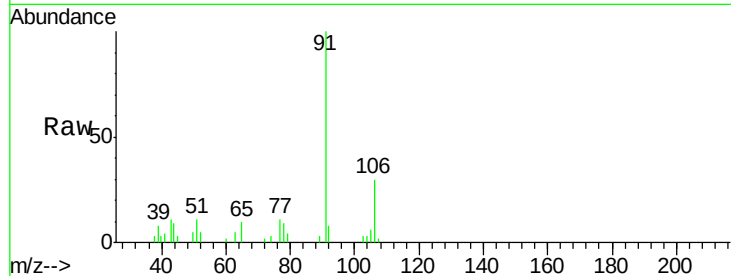
#67
Ethyl Benzene
Concen: 1.423 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062773.D
Acq: 6 Aug 2020 17:55

Instrument :
MSVOA_N
ClientSampled :
NWM-COMP

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.2	34.8

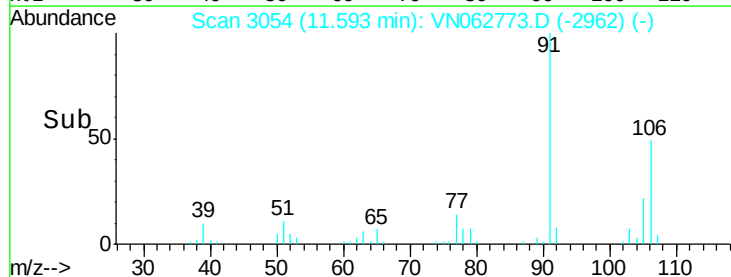
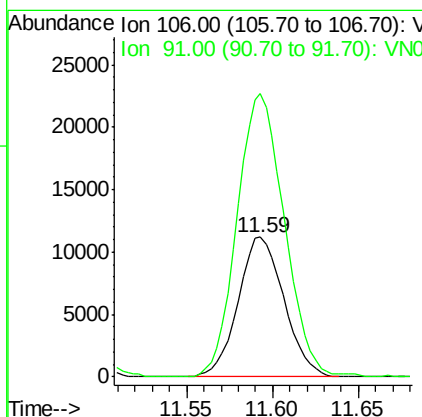
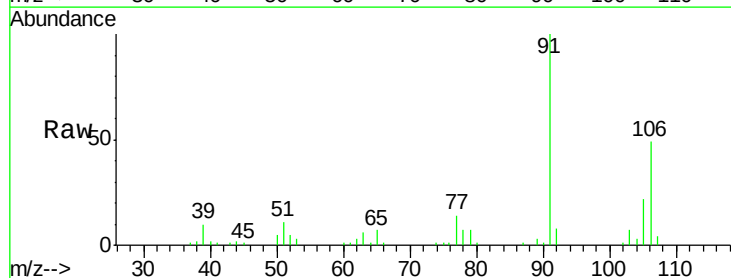
Manual Integrations
APPROVED

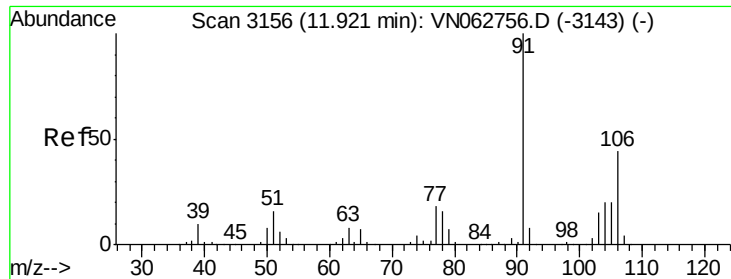
MMDadoda
8/7/2020 12:50:50 PM



#68
m/p-Xylenes
Concen: 6.484 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062773.D
Acq: 6 Aug 2020 17:55

Tgt Ion	Ratio	Lower	Upper
106	100		
91	209.0	175.9	263.9





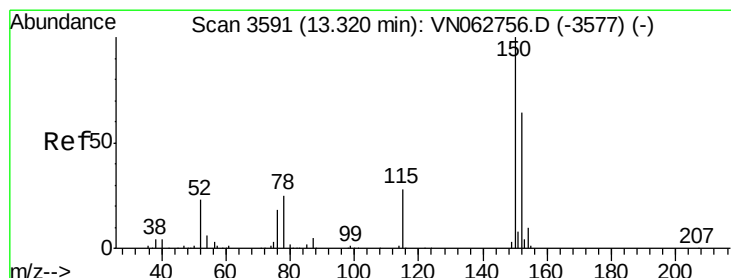
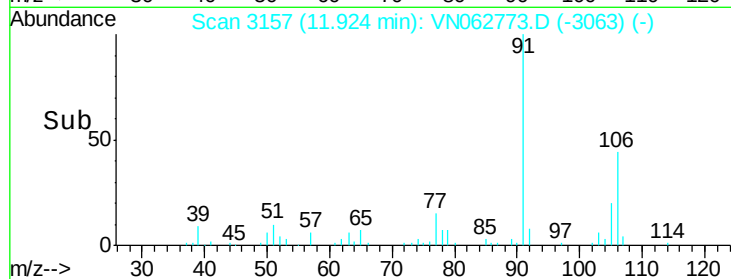
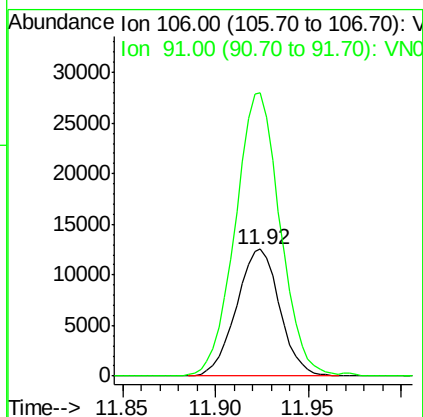
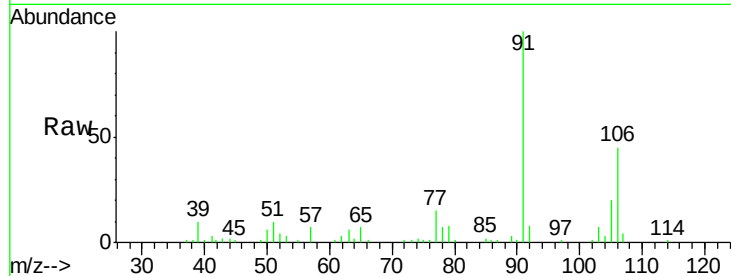
#69
o-Xylene
Concen: 6.794 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062773.D
Acq: 6 Aug 2020 17:55

Instrument :
MSVOA_N
ClientSampled :
NWM-COMP

Tot Ion:106 Resp: 20376
Ion Ratio Lower Upper
106 100
91 232.1 115.8 347.4

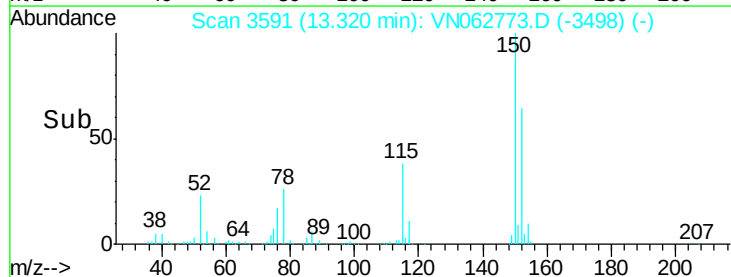
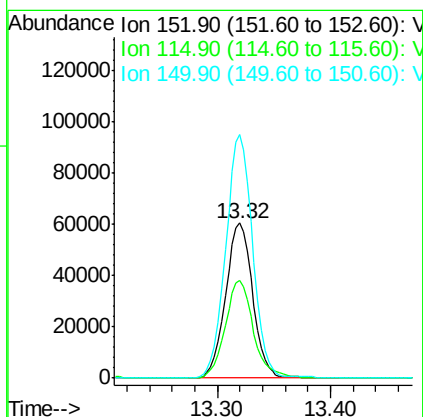
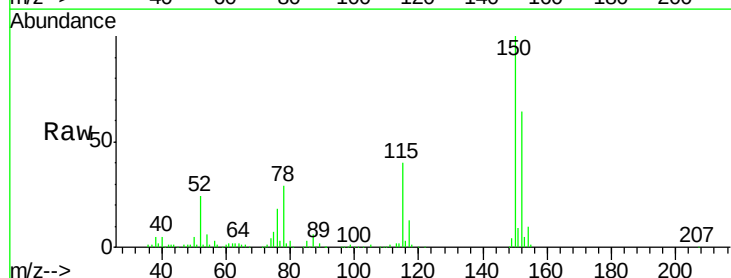
Manual Integrations
APPROVED

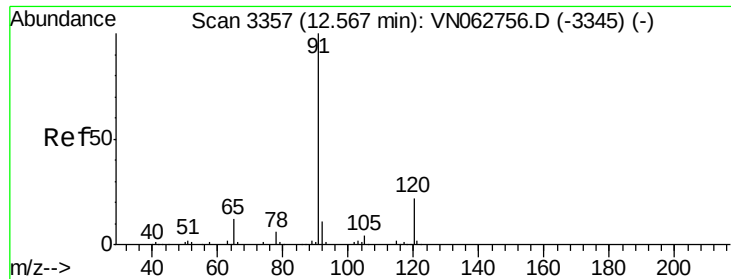
MMDadoda
8/7/2020 12:50:50 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062773.D
Acq: 6 Aug 2020 17:55

Tgt Ion:152 Resp: 100973
Ion Ratio Lower Upper
152 100
115 65.1 31.6 94.8
150 155.6 0.0 349.2





#78

n-propylbenzene

Concen: 1.151 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062773.D

Acq: 6 Aug 2020 17:55

Instrument :

MSVOA_N

ClientSampled :

NWM-COMP

Tot Ion: 91 Resp: 10277

Ion Ratio Lower Upper

91 100

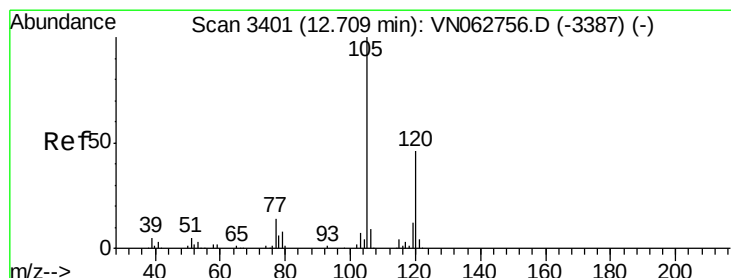
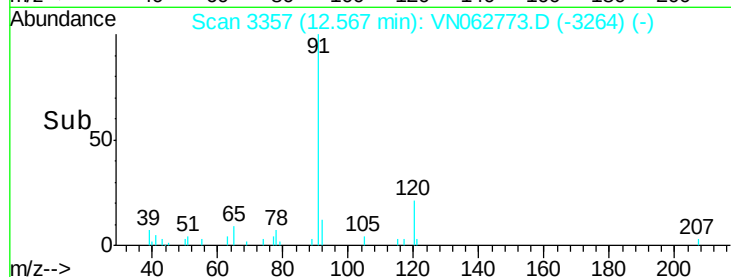
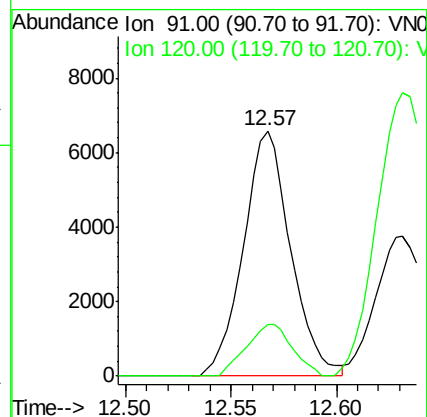
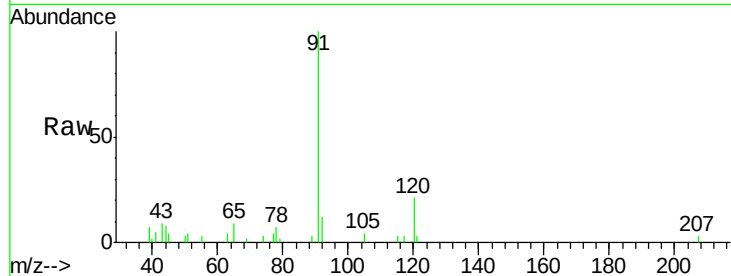
120 20.3 10.9 32.9

Manual Integrations

APPROVED

MMDadoda

8/7/2020 12:50:50 PM



#80

1,3,5-Trimethylbenzene

Concen: 3.384 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062773.D

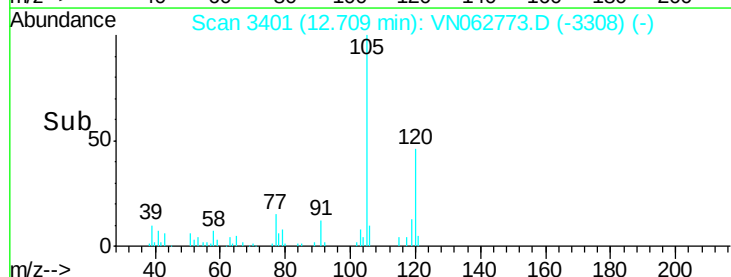
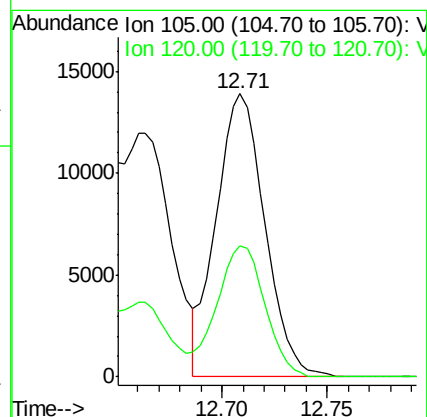
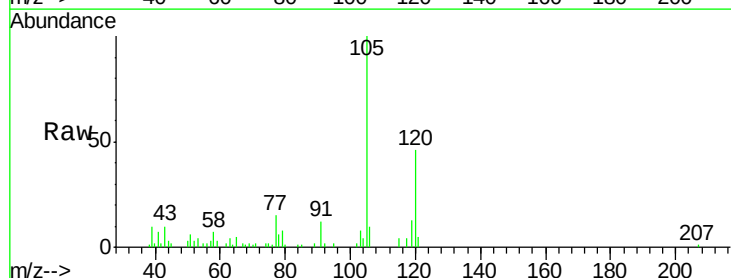
Acq: 6 Aug 2020 17:55

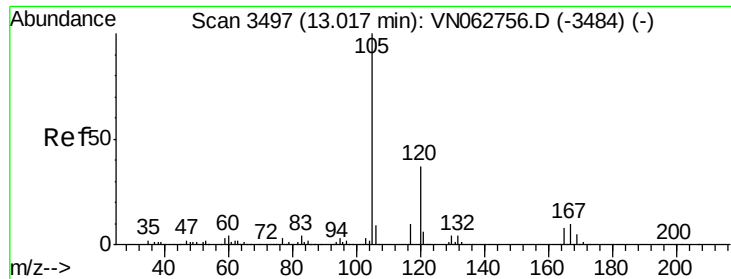
Tgt Ion: 105 Resp: 22319

Ion Ratio Lower Upper

105 100

120 46.5 22.9 68.5





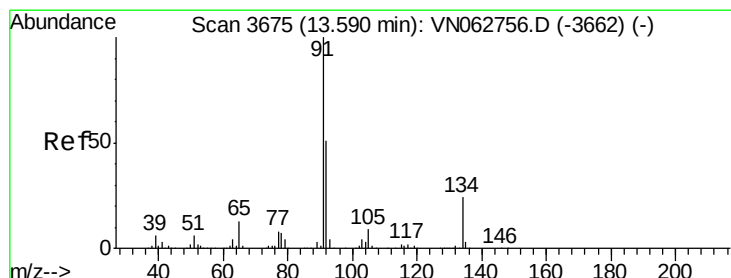
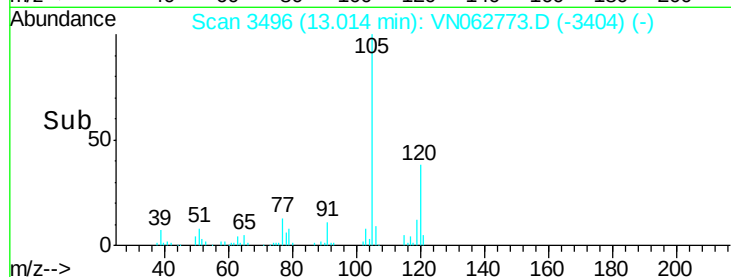
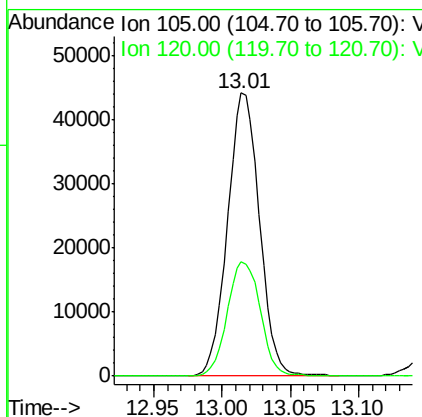
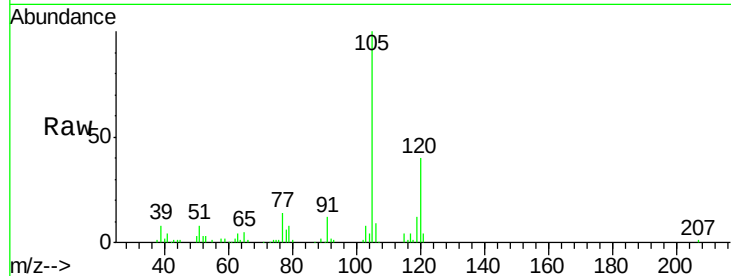
#84
 1,2,4-Trimethylbenzene
 Concen: 11.393 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062773.D
 Acq: 6 Aug 2020 17:55

Instrument :
 MSVOA_N
 ClientSampled :
 NWM-COMP

Tot Ion:105 Resp: 71895
 Ion Ratio Lower Upper
 105 100
 120 41.6 21.4 64.2

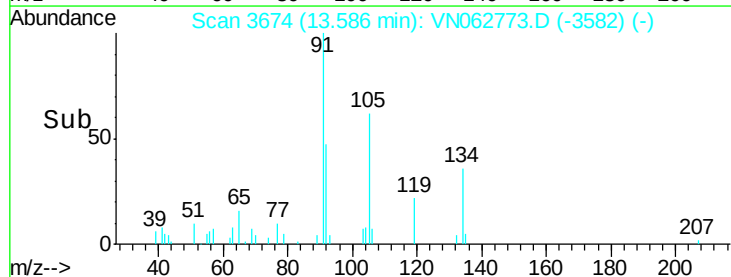
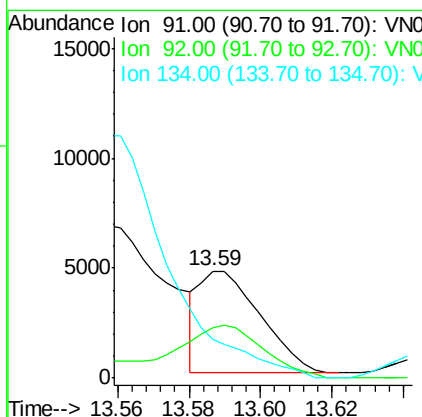
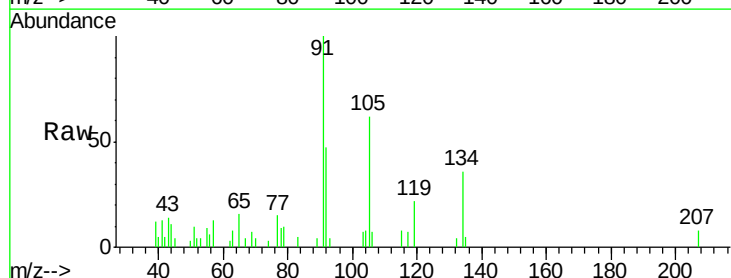
Manual Integrations
 APPROVED

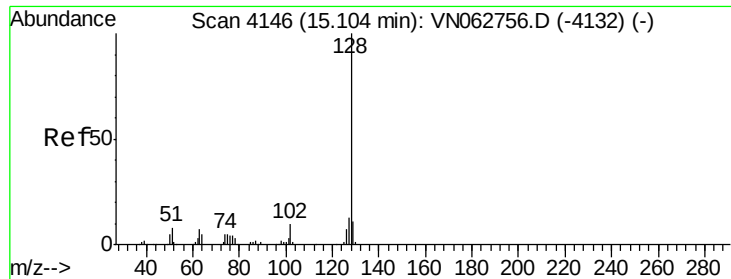
MMDadoda
 8/7/2020 12:50:50 PM



#89
 n-Butylbenzene
 Concen: 1.011 ug/l m
 RT: 13.59 min Scan# 3674
 Delta R.T. -0.00 min
 Lab File: VN062773.D
 Acq: 6 Aug 2020 17:55

Tgt Ion: 91 Resp: 5561
 Ion Ratio Lower Upper
 91 100
 92 0.0 25.7 77.0#
 134 367.6 12.2 36.6#





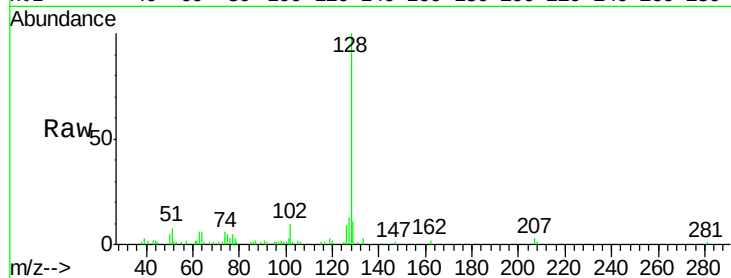
#95
Naphthalene
Concen: 13.282 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062773.D
Acq: 6 Aug 2020 17:55

Instrument :
MSVOA_N
ClientSampleId :
NWM-COMP

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.8	16.2
129	11.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/7/2020 12:50:50 PM



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

