

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043020\
 Data File : VN061209.D
 Acq On : 30 Apr 2020 18:15
 Operator : JC/MD
 Sample : L2453-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Manual Integrations
 APPROVED

MMDadoda
 5/1/2020 10:54:36 AM

Quant Time: May 01 09:00:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	114562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	201806	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	192148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	89978	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	84167	46.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.86%	
35) Dibromofluoromethane	7.55	113	58266	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
50) Toluene-d8	10.06	98	252768	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.38	95	95880	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
Target Compounds						
						Qvalue
16) Acetone	3.77	43	8751	7.115	ug/l	92
39) Methylcyclohexane	9.05	83	4872m	2.150	ug/l	
52) Toluene	10.13	92	2241	0.618	ug/l	92
67) Ethyl Benzene	11.49	91	92943	13.026	ug/l	99
68) m/p-Xylenes	11.60	106	35771	13.696	ug/l	99
69) o-Xylene	11.92	106	6593	2.628	ug/l	89
73) Isopropylbenzene	12.23	105	18185	2.749	ug/l	99
78) n-propylbenzene	12.57	91	64635	8.238	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	28424	5.192	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	55996	9.928	ug/l	100
85) sec-Butylbenzene	13.15	105	15937	2.532	ug/l #	58
86) p-Isopropyltoluene	13.26	119	2397	0.423	ug/l	97
89) n-Butylbenzene	13.59	91	6449m	1.241	ug/l	
95) Naphthalene	15.11	128	13491	2.524	ug/l	97

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

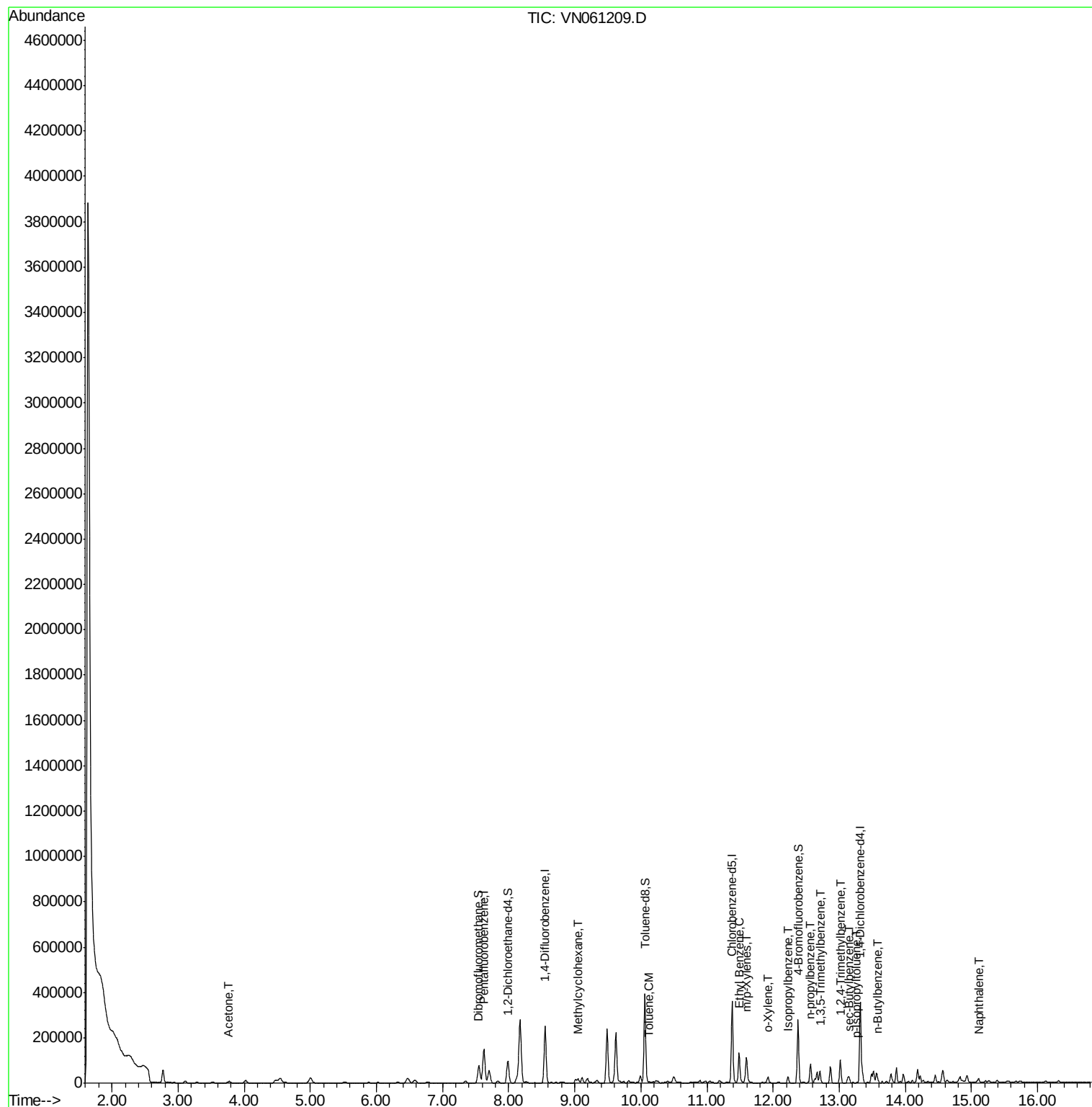
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043020\
Data File : VN061209.D
Acq On : 30 Apr 2020 18:15
Operator : JC/MD
Sample : L2453-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

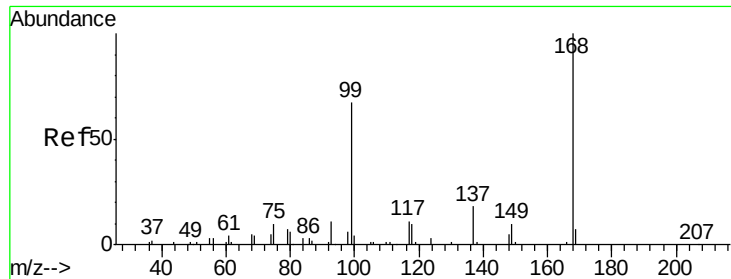
Instrument :
MSVOA_N
ClientSampleId :
MW-1

Manual Integrations
APPROVED

MMDadoda
5/1/2020 10:54:36 AM

Quant Time: May 01 09:00:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 29 08:14:26 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061209.D

Acq: 30 Apr 2020 18:15

Instrument :

MSVOA_N

ClientSampled :

MW-1

Tot Ion:168 Resp: 114562

Ion Ratio Lower Upper

168 100

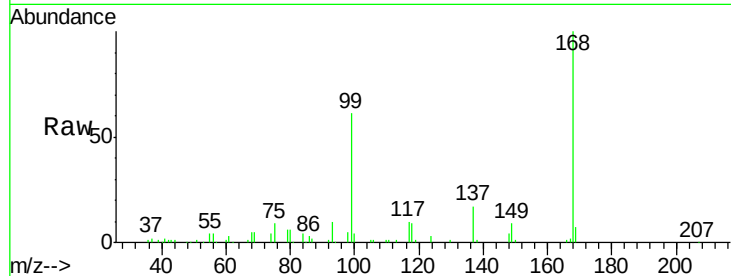
99 61.0 51.2 76.8

Manual Integrations

APPROVED

MMDadoda

5/1/2020 10:54:36 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

50000

40000

30000

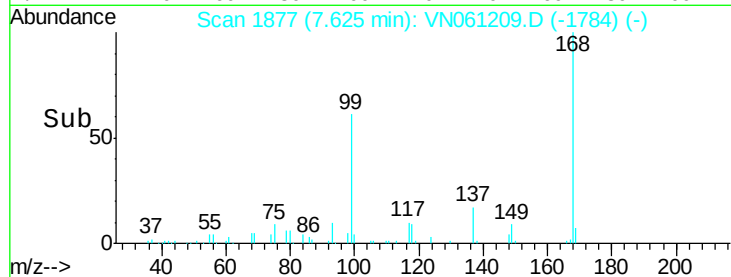
20000

10000

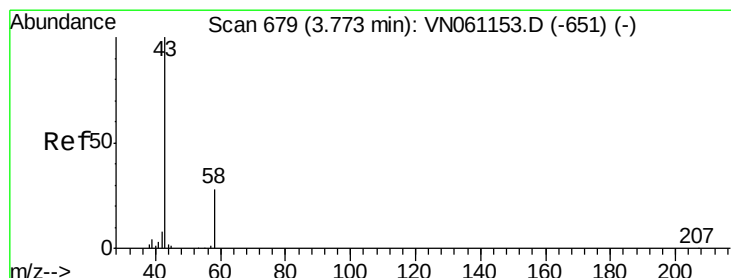
0

7.60 7.70

Time-->



Scan 1877 (7.625 min): VN061209.D (-1784) (-)



Scan 679 (3.773 min): VN061153.D (-651) (-)

#16

Acetone

Concen: 7.115 ug/l

RT: 3.77 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN061209.D

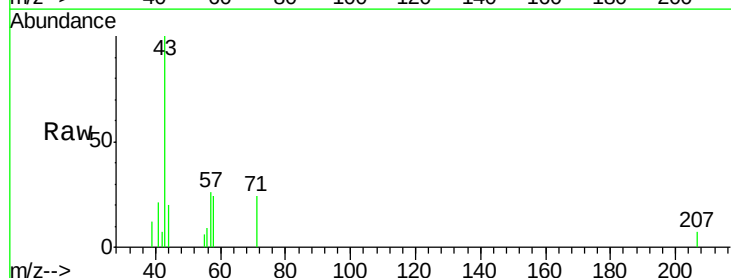
Acq: 30 Apr 2020 18:15

Tgt Ion: 43 Resp: 8751

Ion Ratio Lower Upper

43 100

58 23.6 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.77

3000

2500

2000

1500

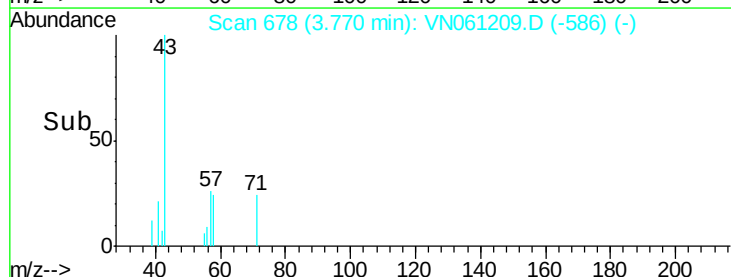
1000

500

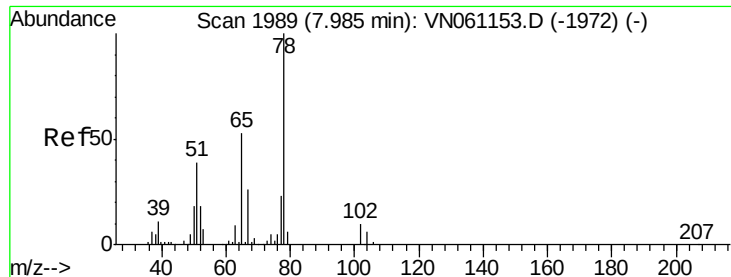
0

3.70 3.80 3.90

Time-->



Scan 678 (3.770 min): VN061209.D (-586) (-)



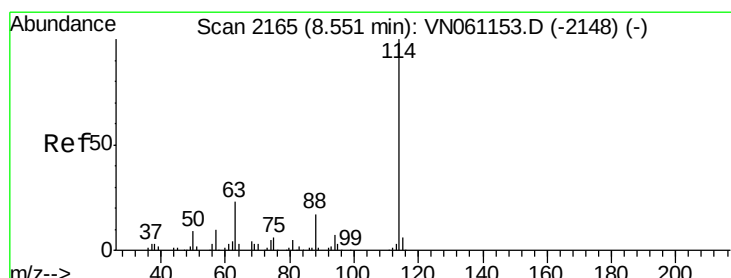
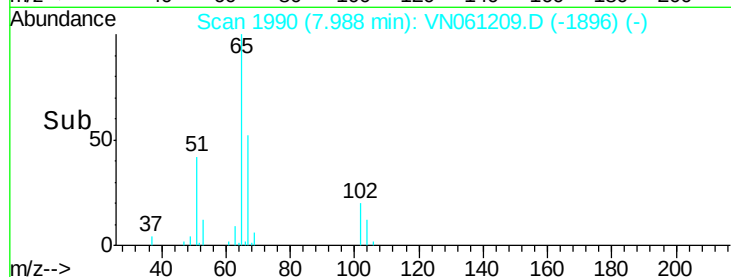
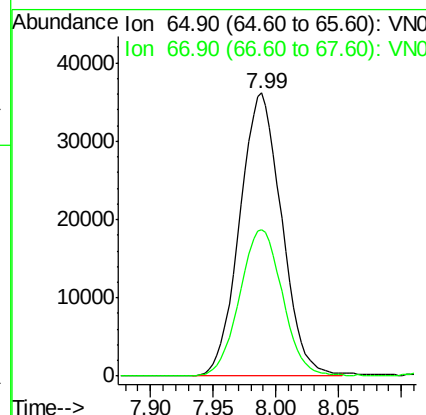
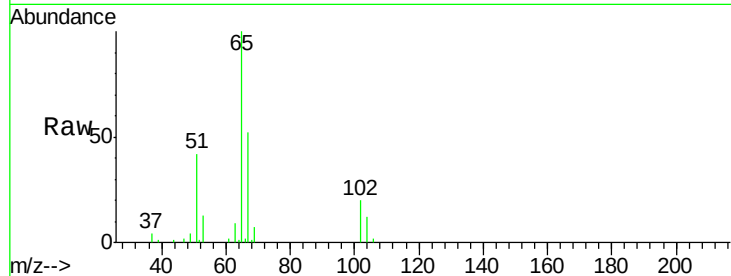
#33
 1,2-Dichloroethane-d4
 Concen: 46.431 ug/l
 RT: 7.99 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VN061209.D
 Acq: 30 Apr 2020 18:15

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Tot Ion	Ratio	Resp	Lower	Upper
65	100	84167		
67	52.8	0.0	101.6	

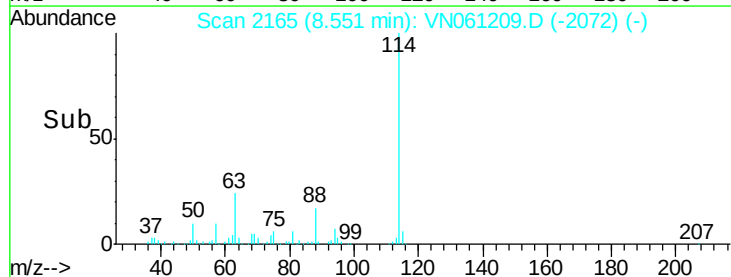
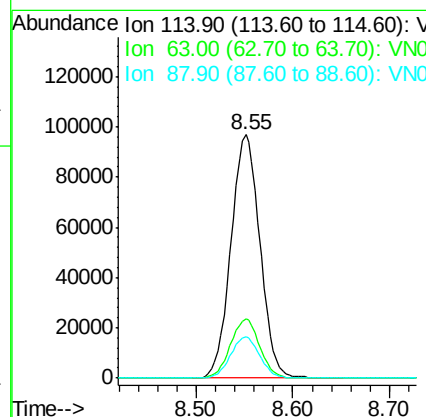
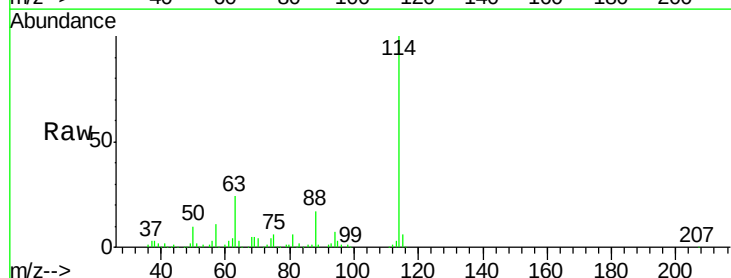
Manual Integrations
 APPROVED

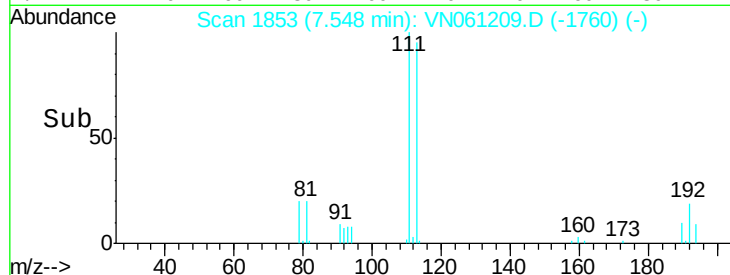
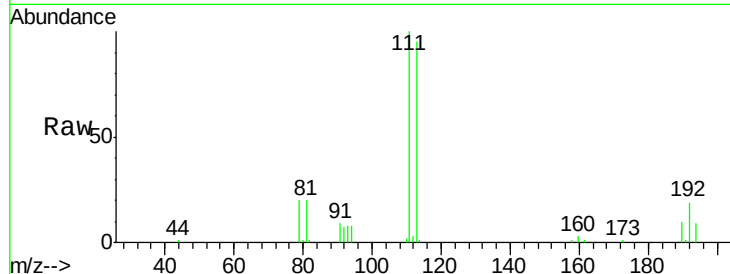
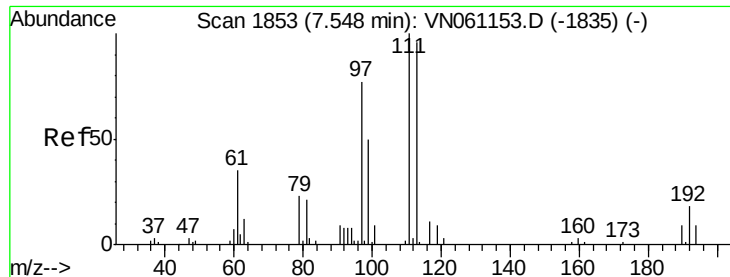
MMDadoda
 5/1/2020 10:54:36 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061209.D
 Acq: 30 Apr 2020 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	201806		
63	24.1	0.0	46.6	
88	16.9	0.0	33.4	





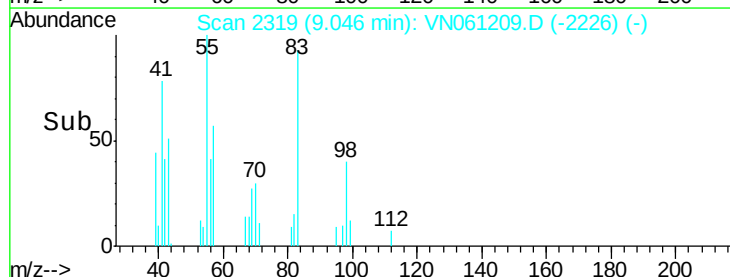
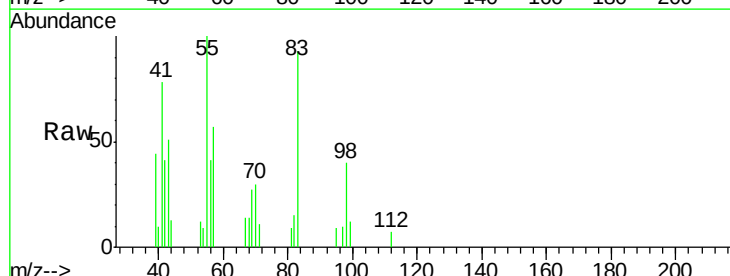
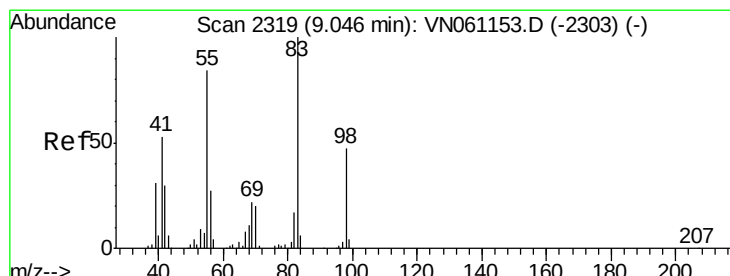
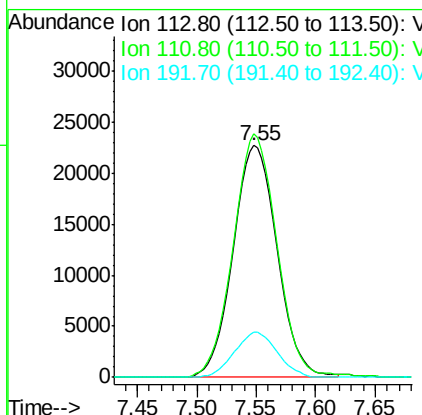
#35
Dibromofluoromethane
Concen: 48.827 ug/l
RT: 7.55 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VN061209.D
Acq: 30 Apr 2020 18:15

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.2	82.9	124.3	
192	19.0	14.7	22.1	

Instrument :
MSVOA_N
ClientSampled :
MW-1

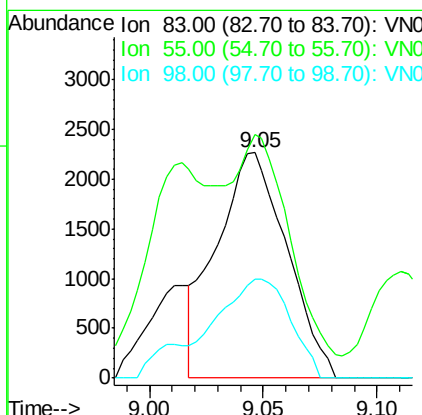
Manual Integrations
APPROVED

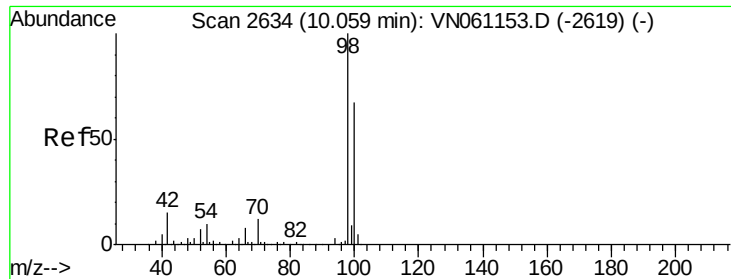
MMDadoda
5/1/2020 10:54:36 AM



#39
Methylcyclohexane
Concen: 2.150 ug/l m
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061209.D
Acq: 30 Apr 2020 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
55	107.9	67.3	100.9#	
98	43.7	37.7	56.5	





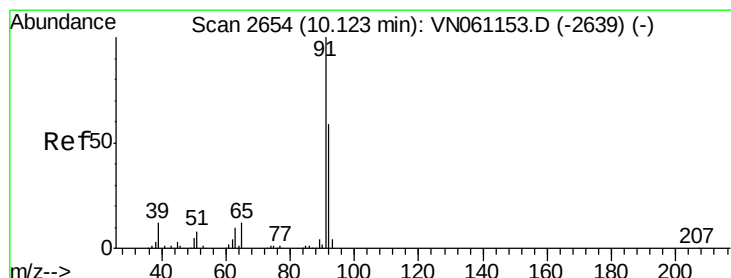
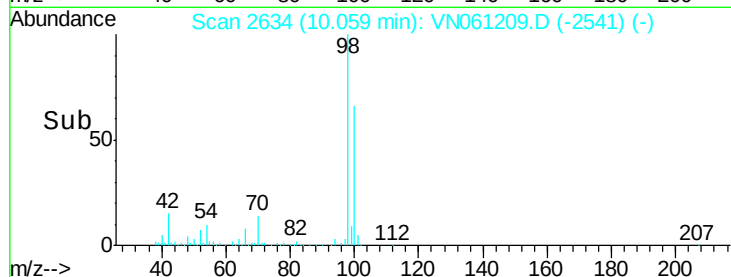
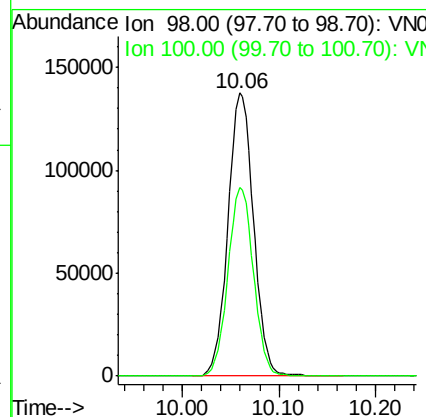
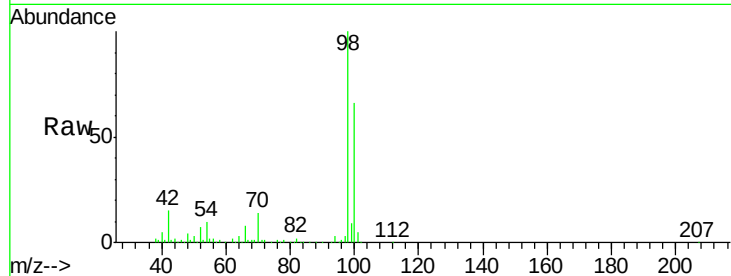
#50
Toluene-d8
Concen: 51.960 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061209.D
Acq: 30 Apr 2020 18:15

Instrument :
MSVOA_N
ClientSampled :
MW-1

Tot Ion: 98 Resp: 252768
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.0

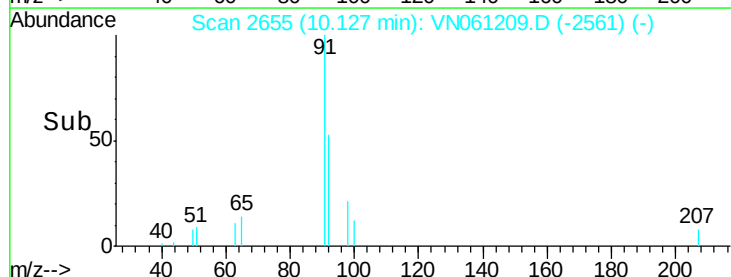
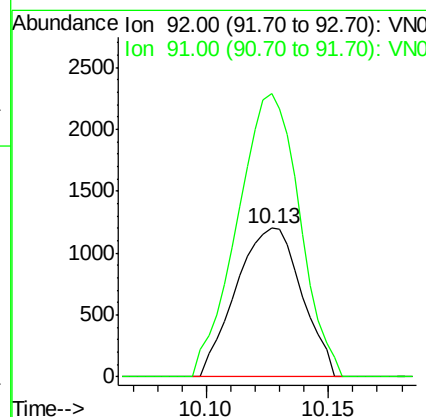
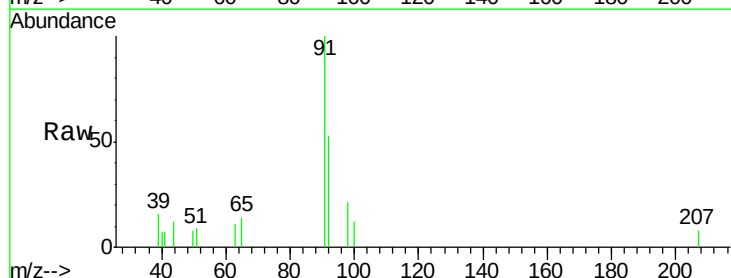
Manual Integrations
APPROVED

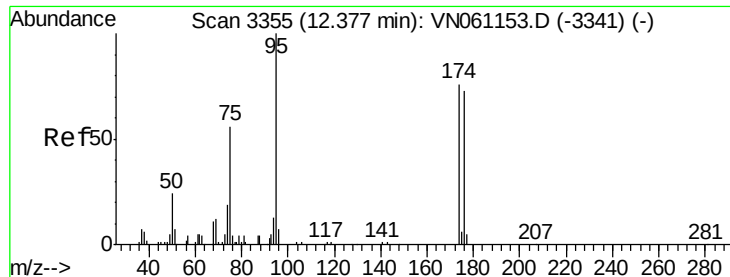
MMDadoda
5/1/2020 10:54:36 AM



#52
Toluene
Concen: 0.618 ug/l
RT: 10.13 min Scan# 2655
Delta R.T. 0.00 min
Lab File: VN061209.D
Acq: 30 Apr 2020 18:15

Tgt Ion: 92 Resp: 2241
Ion Ratio Lower Upper
92 100
91 180.6 136.2 204.2





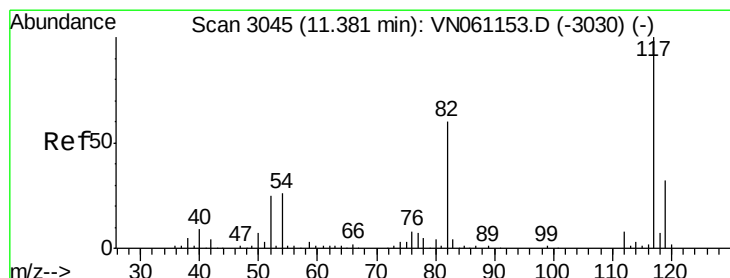
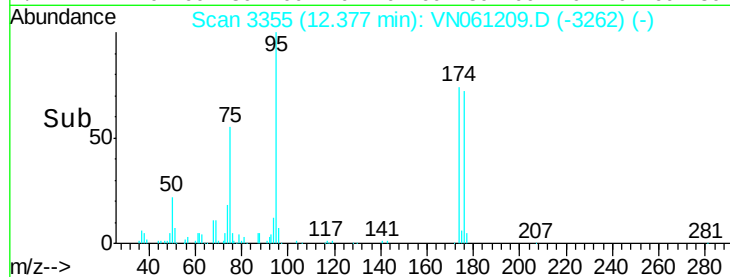
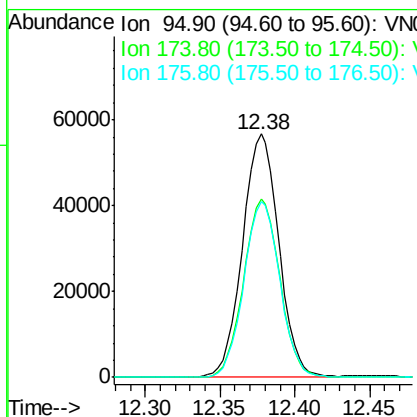
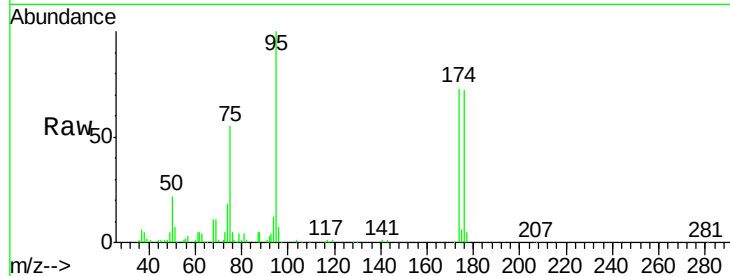
#62
4-Bromofluorobenzene
Concen: 52.375 ug/l
RT: 12.38 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VN061209.D
Acq: 30 Apr 2020 18:15

Instrument :
MSVOA_N
ClientSampled :
MW-1

Tot Ion	Ratio	Resp	Lower	Upper
95	100	95880		
174	73.0	0.0	149.4	
176	71.3	0.0	144.8	

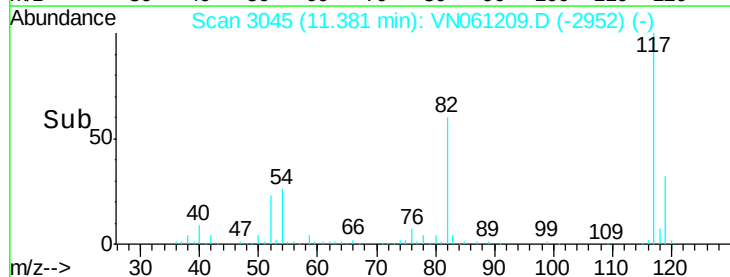
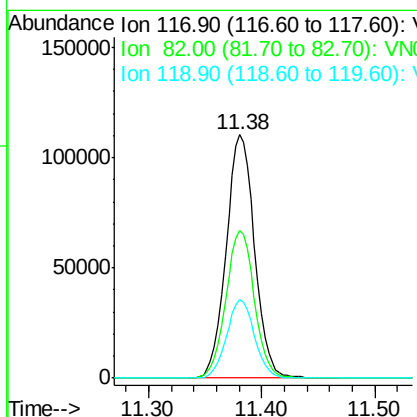
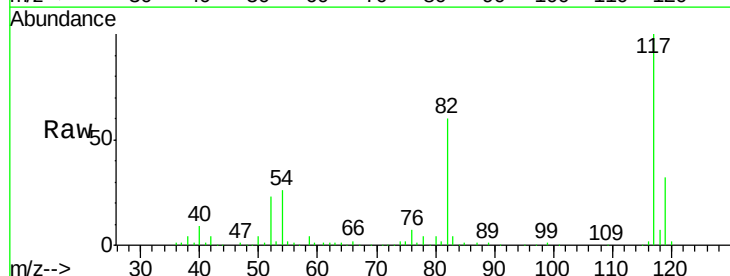
Manual Integrations
APPROVED

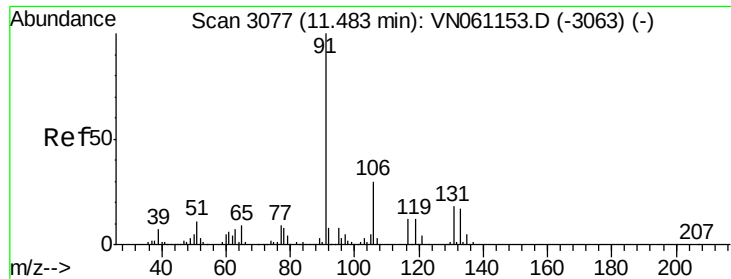
MMDadoda
5/1/2020 10:54:36 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061209.D
Acq: 30 Apr 2020 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	192148		
82	60.4	47.8	71.8	
119	32.0	25.8	38.6	





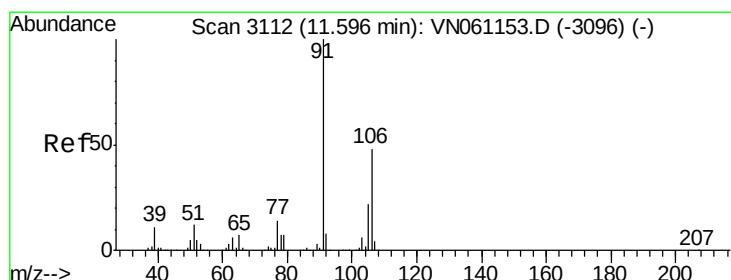
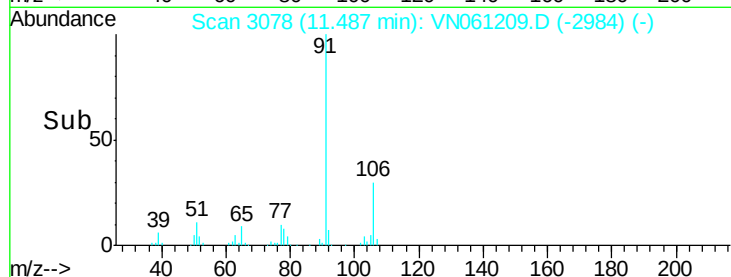
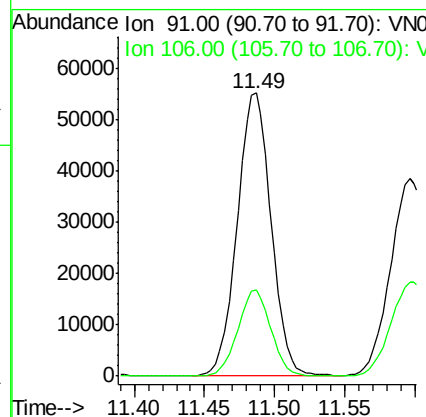
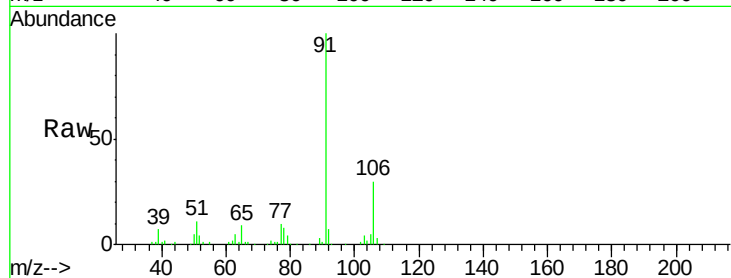
#67
Ethyl Benzene
Concen: 13.026 ug/l
RT: 11.49 min Scan# 3078
Delta R.T. 0.00 min
Lab File: VN061209.D
Acq: 30 Apr 2020 18:15

Instrument :
MSVOA_N
ClientSampled :
MW-1

Tot Ion: 91 Resp: 92943
Ion Ratio Lower Upper
91 100
106 30.3 23.8 35.6

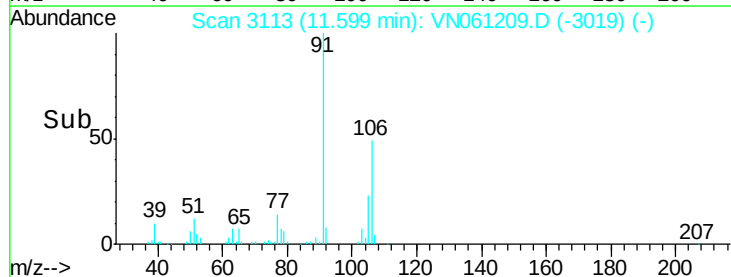
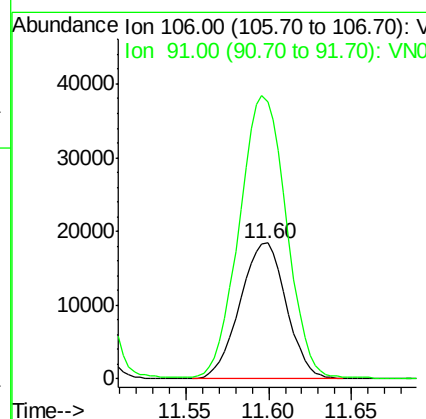
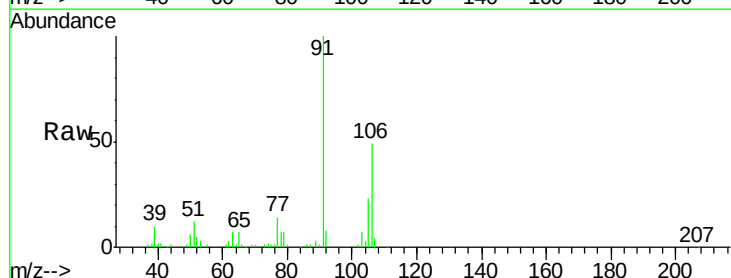
Manual Integrations
APPROVED

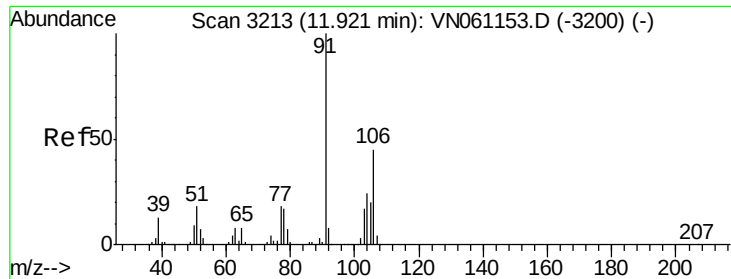
MMDadoda
5/1/2020 10:54:36 AM



#68
m/p-Xylenes
Concen: 13.696 ug/l
RT: 11.60 min Scan# 3113
Delta R.T. 0.00 min
Lab File: VN061209.D
Acq: 30 Apr 2020 18:15

Tgt Ion: 106 Resp: 35771
Ion Ratio Lower Upper
106 100
91 210.0 166.4 249.6





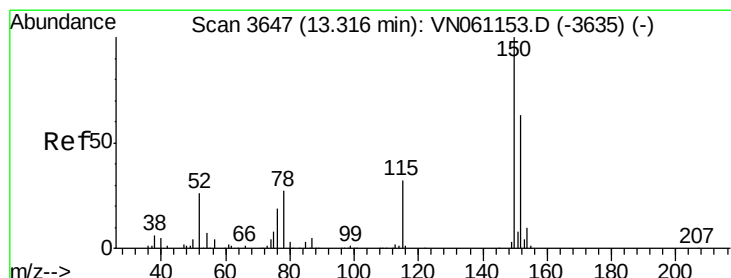
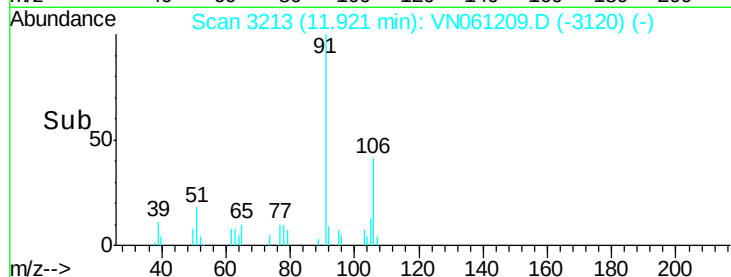
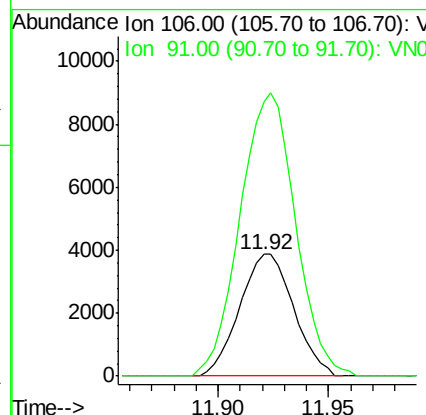
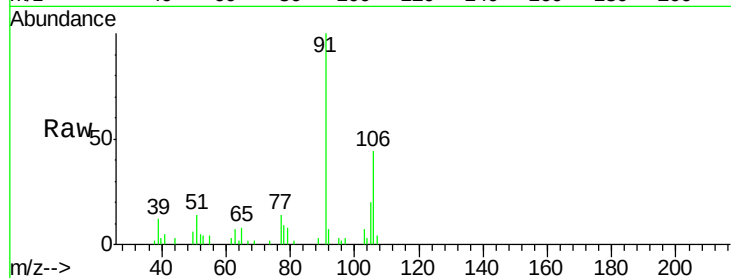
#69
o-Xylene
Concen: 2.628 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061209.D
Acq: 30 Apr 2020 18:15

Instrument :
MSVOA_N
ClientSampled :
MW-1

Tot Ion:106 Resp: 6593
Ion Ratio Lower Upper
106 100
91 237.6 109.7 329.0

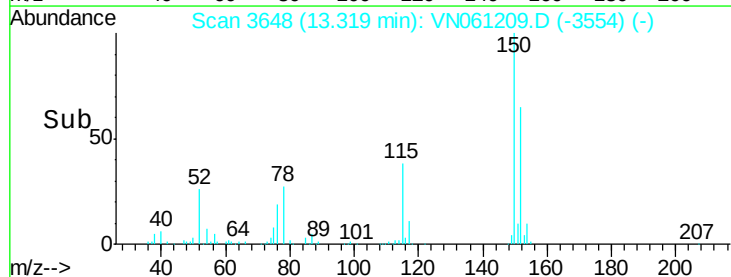
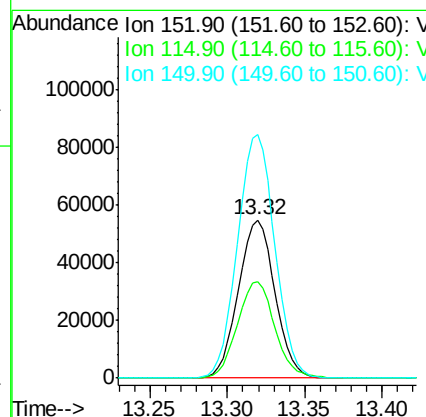
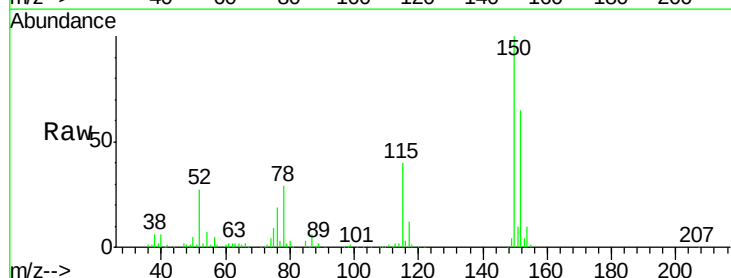
Manual Integrations
APPROVED

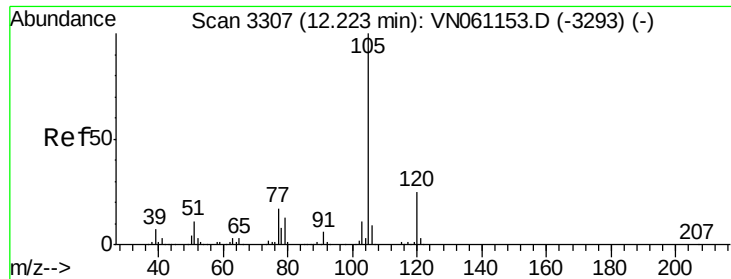
MMDadoda
5/1/2020 10:54:36 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3648
Delta R.T. 0.00 min
Lab File: VN061209.D
Acq: 30 Apr 2020 18:15

Tgt Ion:152 Resp: 89978
Ion Ratio Lower Upper
152 100
115 62.7 31.0 93.0
150 157.3 0.0 351.8





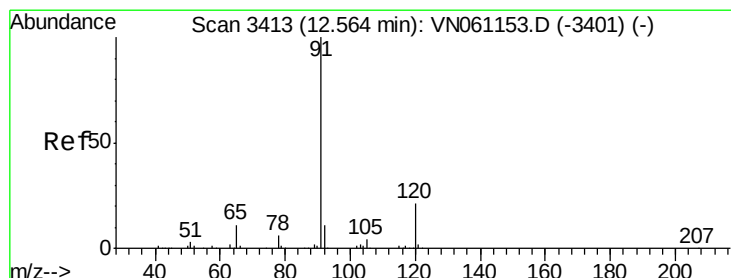
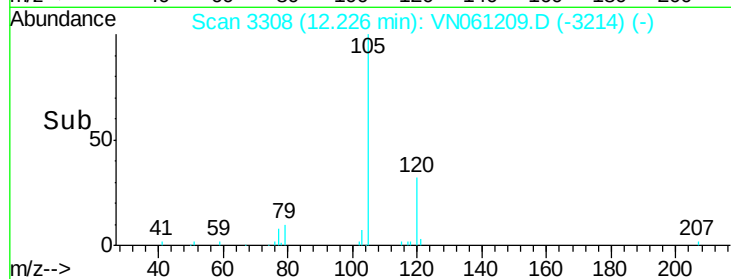
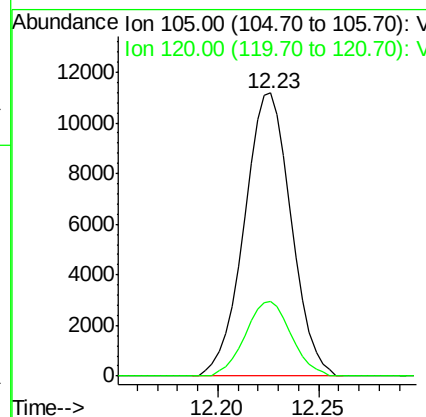
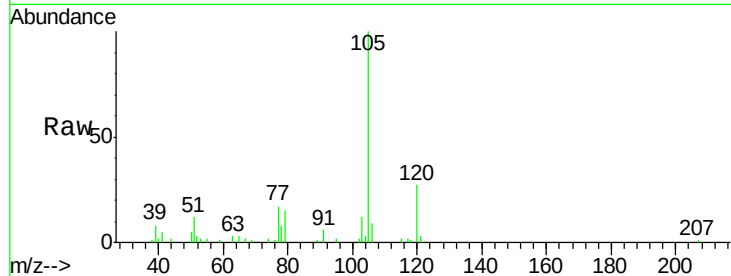
#73
Isopropylbenzene
Concen: 2.749 ug/l
RT: 12.23 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN061209.D
Acq: 30 Apr 2020 18:15

Instrument :
MSVOA_N
ClientSampled :
MW-1

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.6	37.8

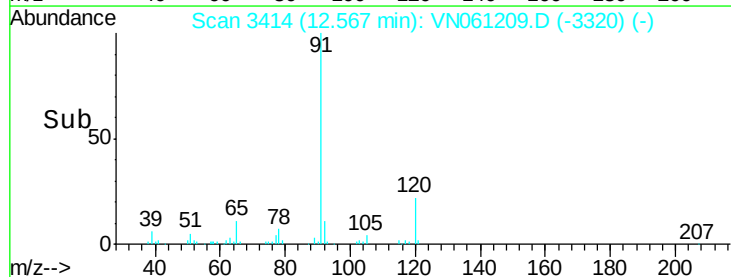
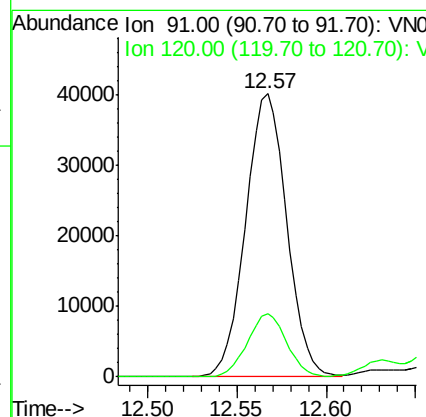
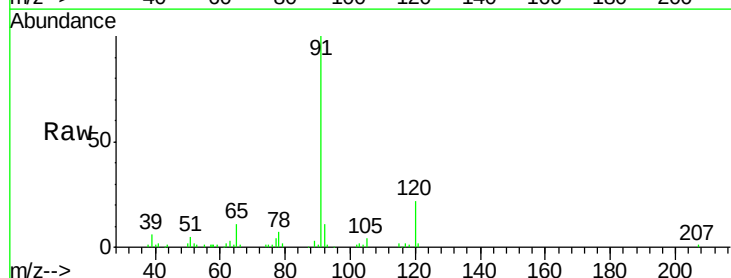
Manual Integrations
APPROVED

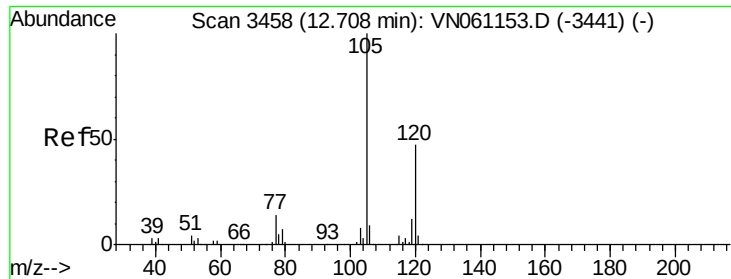
MMDadoda
5/1/2020 10:54:36 AM



#78
n-propylbenzene
Concen: 8.238 ug/l
RT: 12.57 min Scan# 3414
Delta R.T. 0.00 min
Lab File: VN061209.D
Acq: 30 Apr 2020 18:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.2	10.8	32.3





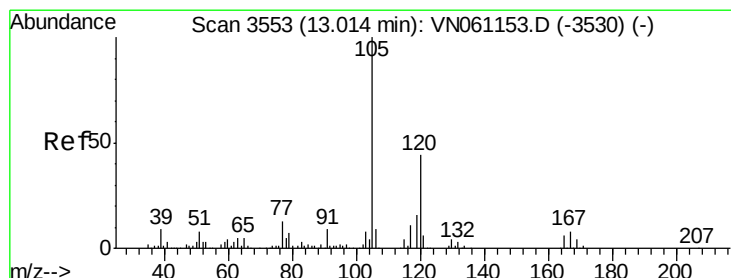
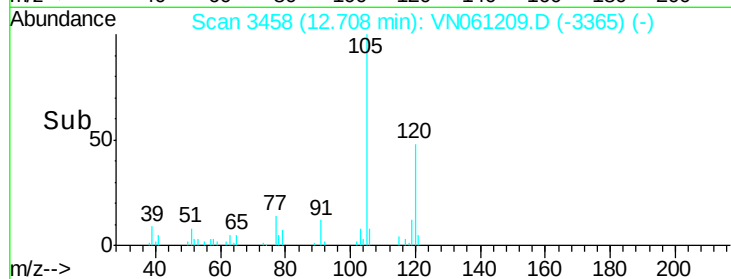
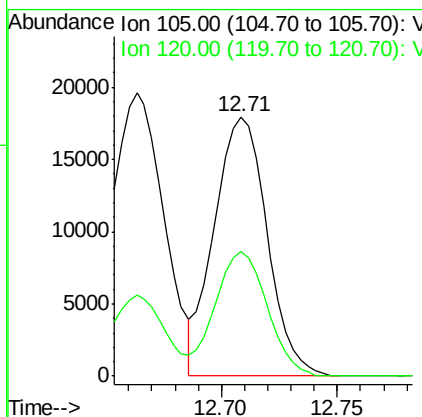
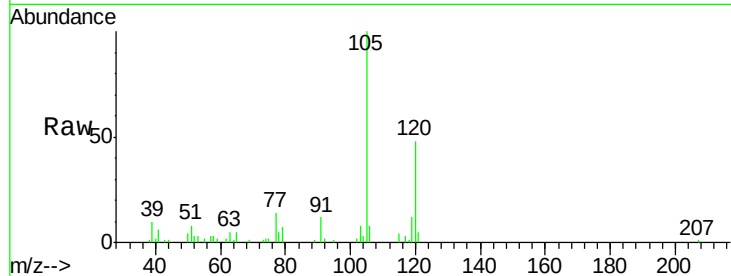
#80
 1,3,5-Trimethylbenzene
 Concen: 5.192 ug/l
 RT: 12.71 min Scan# 3458
 Delta R.T. 0.00 min
 Lab File: VN061209.D
 Acq: 30 Apr 2020 18:15

Instrument :
 MSVOA_N
 ClientSampled :
 MW-1

Tot Ion:105 Resp: 28424
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.9 71.7

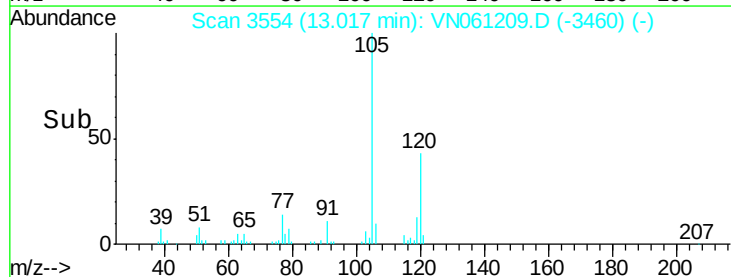
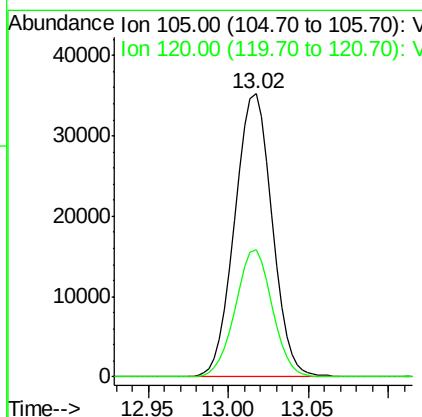
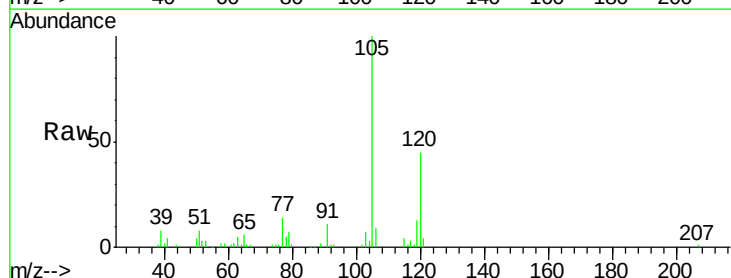
Manual Integrations
 APPROVED

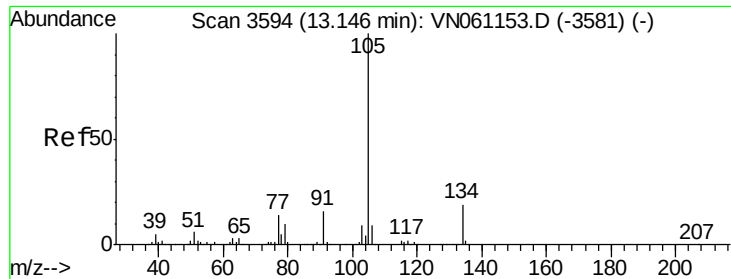
MMDadoda
 5/1/2020 10:54:36 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 9.928 ug/l
 RT: 13.02 min Scan# 3554
 Delta R.T. 0.00 min
 Lab File: VN061209.D
 Acq: 30 Apr 2020 18:15

Tgt Ion:105 Resp: 55996
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.2 66.6





#85

sec-Butylbenzene

Concen: 2.532 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VN061209.D

Acq: 30 Apr 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

MW-1

Tot Ion:105 Resp: 15937

Ion Ratio Lower Upper

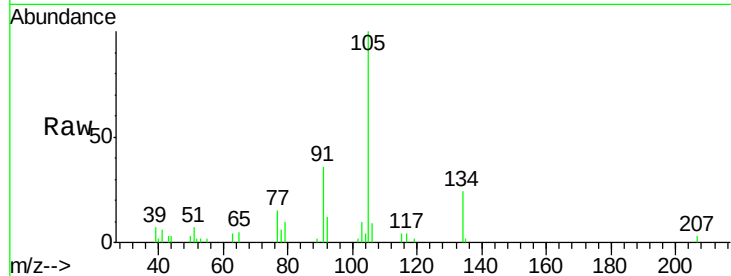
105 100

134 38.2 9.6 28.8#

Manual Integrations
APPROVED

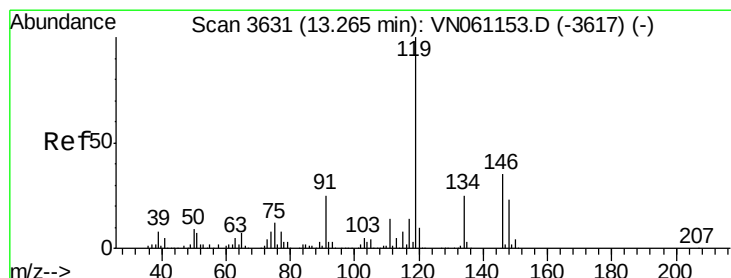
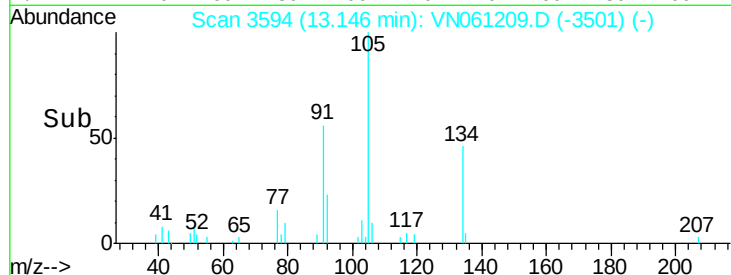
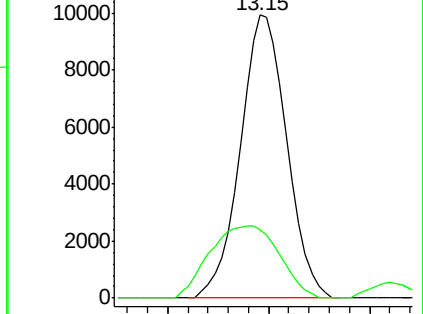
MMDadoda

5/1/2020 10:54:36 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.423 ug/l

RT: 13.26 min Scan# 3630

Delta R.T. -0.00 min

Lab File: VN061209.D

Acq: 30 Apr 2020 18:15

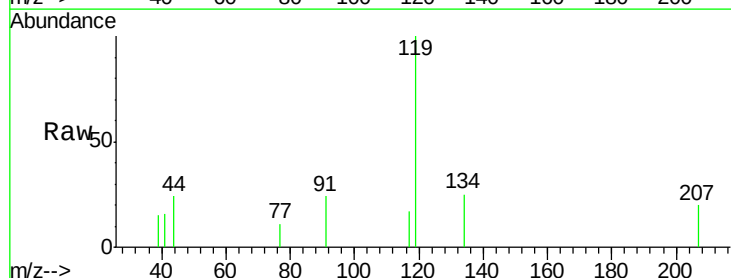
Tgt Ion:119 Resp: 2397

Ion Ratio Lower Upper

119 100

134 24.7 12.6 37.6

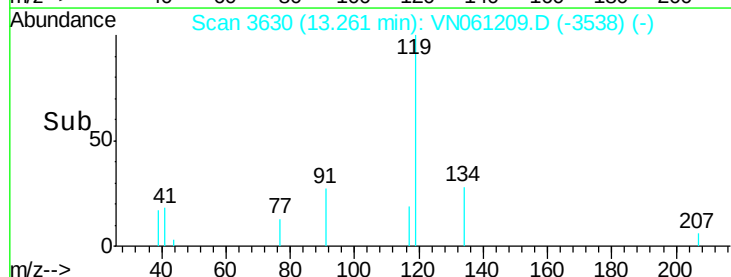
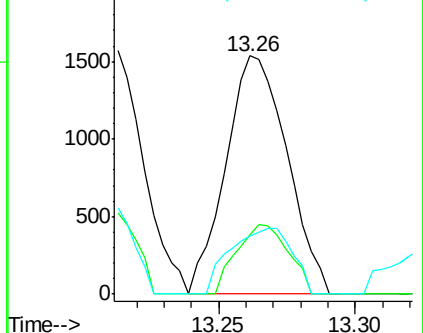
91 28.0 12.7 38.0

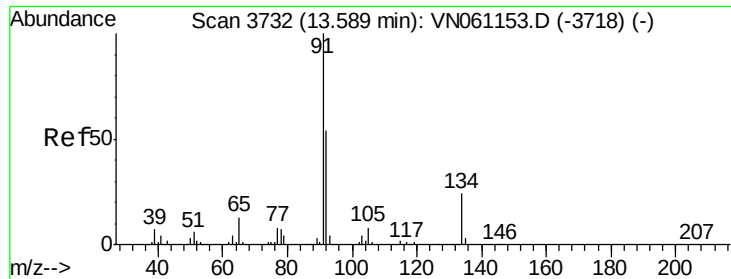


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





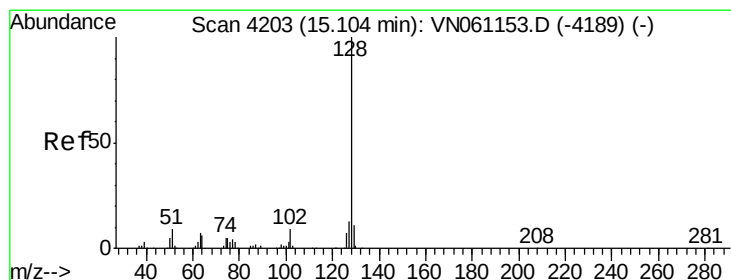
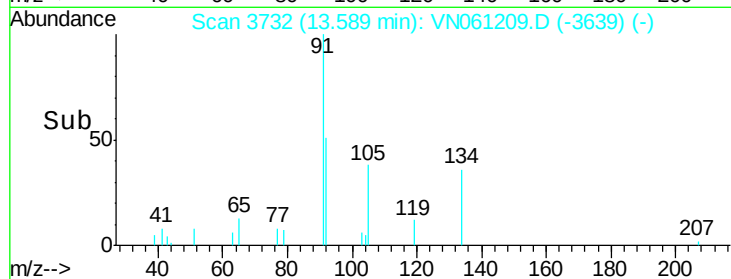
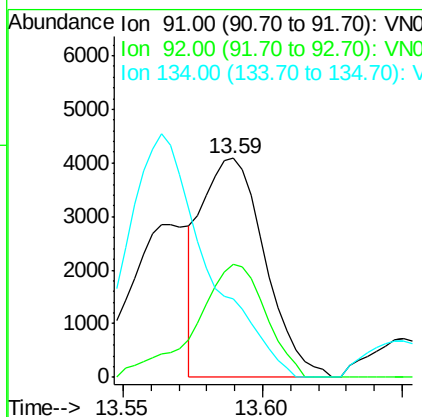
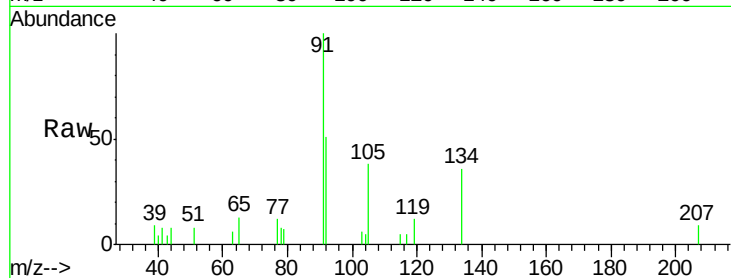
#89
n-Butylbenzene
Concen: 1.241 ug/l m
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061209.D
Acq: 30 Apr 2020 18:15

Instrument :
MSVOA_N
ClientSampled :
MW-1

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.3	26.8	80.3
134	0.0	11.9	35.5#

Manual Integrations
APPROVED

MMDadoda
5/1/2020 10:54:36 AM



#95
Naphthalene
Concen: 2.524 ug/l
RT: 15.11 min Scan# 4204
Delta R.T. 0.00 min
Lab File: VN061209.D
Acq: 30 Apr 2020 18:15

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	12.6	8.7	13.1

