

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN031319\
 Data File : VN054221.D
 Acq On : 13 Mar 2019 19:11
 Operator : JC/SP
 Sample : K1842-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PR-MW-01_030819

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 5:39:39 PM

Quant Time: Mar 23 01:46:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1448884	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2362663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2472236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1306462	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	765079	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
35) Dibromofluoromethane	7.59	113	731489	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	
50) Toluene-d8	10.09	98	2939851	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
62) 4-Bromofluorobenzene	12.40	95	1199067	60.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.78%	

Target Compounds

						Qvalue
16) Acetone	3.82	43	39710	9.01	ug/l	95
31) Cyclohexane	7.65	56	116394	3.90	ug/l #	82
39) Methylcyclohexane	9.08	83	140542	5.25	ug/l	97
40) Benzene	8.04	78	54614	0.88	ug/l	96
52) Toluene	10.16	92	581320	14.72	ug/l	100
67) Ethyl Benzene	11.51	91	16340391	181.59	ug/l	97
68) m/p-Xylenes	11.63	106	10292021	292.64	ug/l #	1
69) o-Xylene	11.95	106	6933750	202.24	ug/l	99
73) Isopropylbenzene	12.25	105	2033569	19.46	ug/l	100
78) n-propylbenzene	12.59	91	2496782	22.01	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	7944305	91.37	ug/l	100
83) tert-Butylbenzene	12.99	119	49968m	0.62	ug/l	
84) 1,2,4-Trimethylbenzene	13.03	105	18121653m	212.46	ug/l	
85) sec-Butylbenzene	13.17	105	337859	3.26	ug/l	79
86) p-Isopropyltoluene	13.29	119	294825m	3.24	ug/l	
89) n-Butylbenzene	13.61	91	203197m	2.94	ug/l	
95) Naphthalene	15.13	128	6257349	105.09	ug/l	100

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

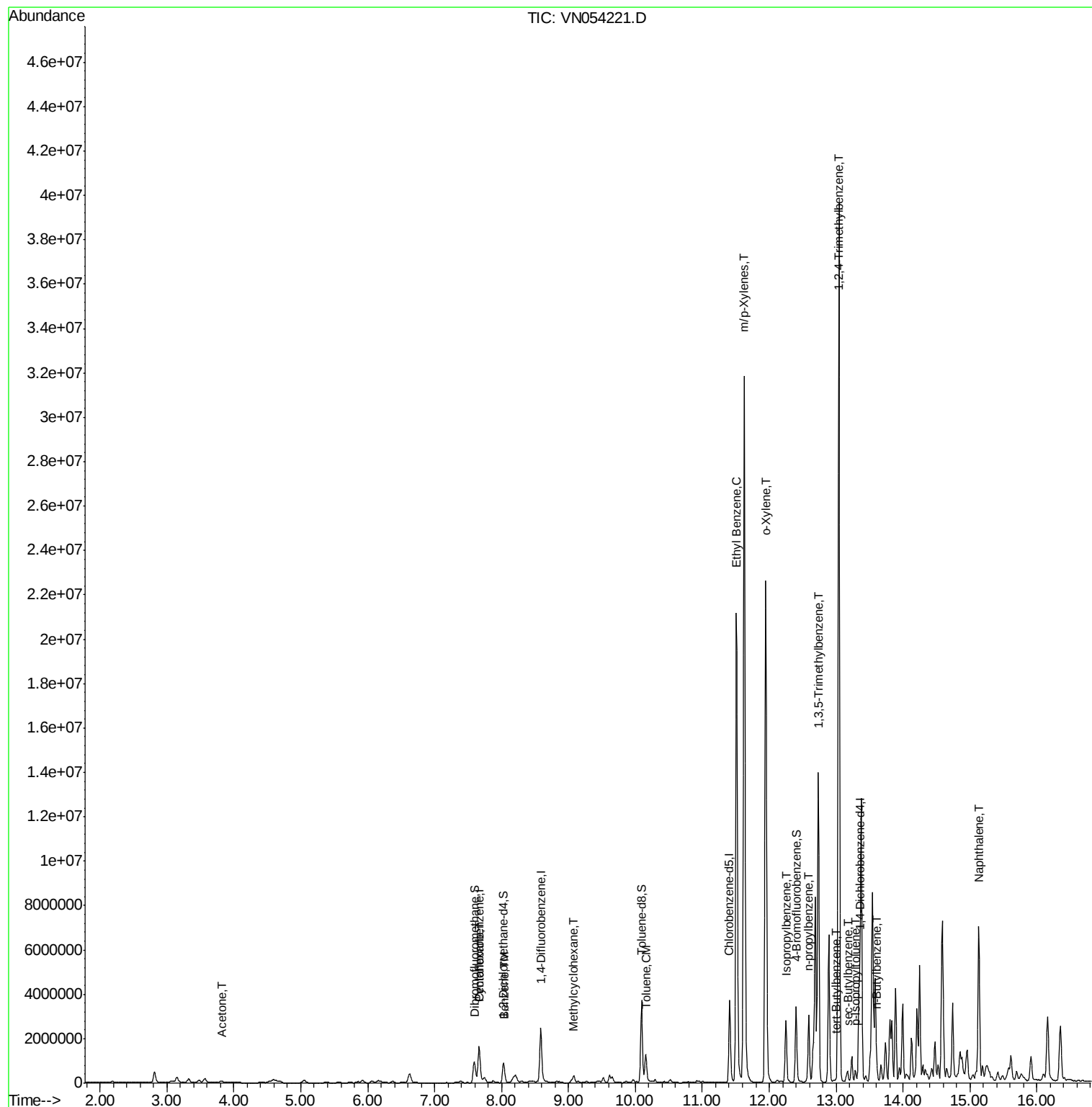
Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN031319\
Data File : VN054221.D
Acq On : 13 Mar 2019 19:11
Operator : JC/SP
Sample : K1842-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

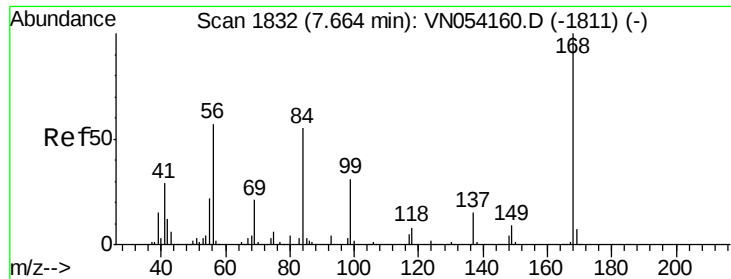
Instrument :
MSVOA_N
ClientSampleId :
PR-MW-01_030819

Manual Integrations
APPROVED

MMDadoda
3/25/2019 5:39:39 PM

Quant Time: Mar 23 01:46:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054221.D

Acq: 13 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

PR-MW-01_030819

Tot Ion:168 Resp: 1448884

Ion Ratio Lower Upper

168 100

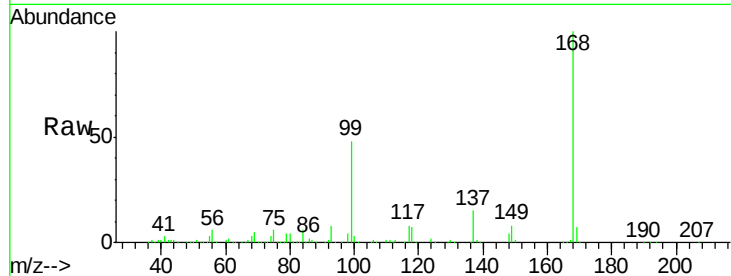
99 47.6 37.1 55.7

Manual Integrations

APPROVED

MMDadoda

3/25/2019 5:39:39 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

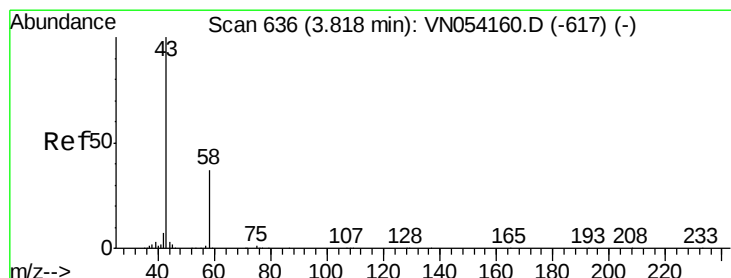
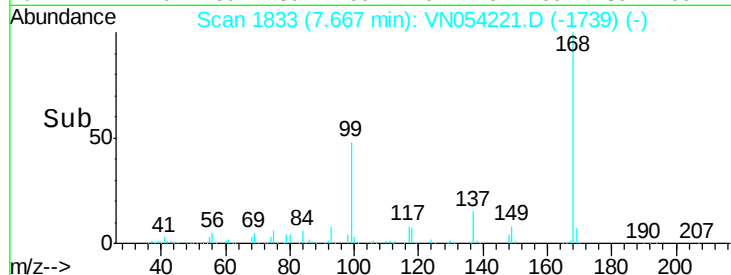
600000

400000

200000

0

Time-->



#16

Acetone

Concen: 9.01 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN054221.D

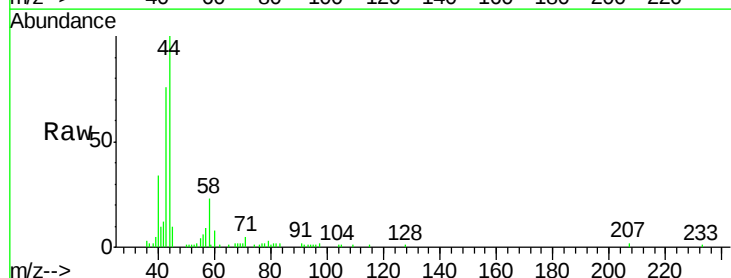
Acq: 13 Mar 2019 19:11

Tgt Ion: 43 Resp: 39710

Ion Ratio Lower Upper

43 100

58 34.4 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

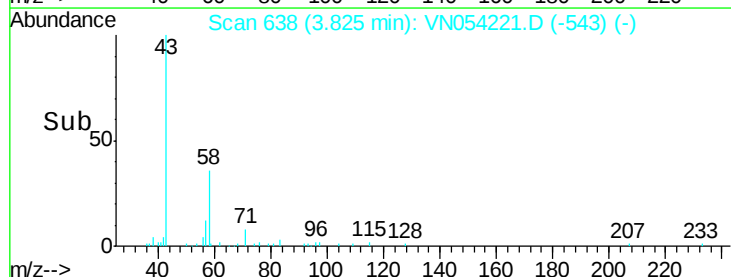
15000

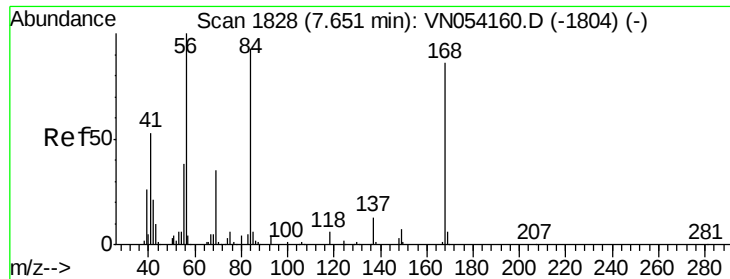
10000

5000

0

Time-->





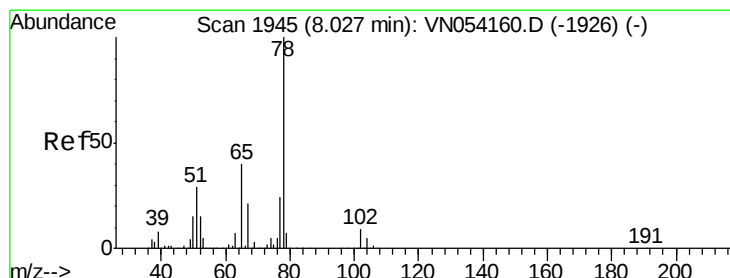
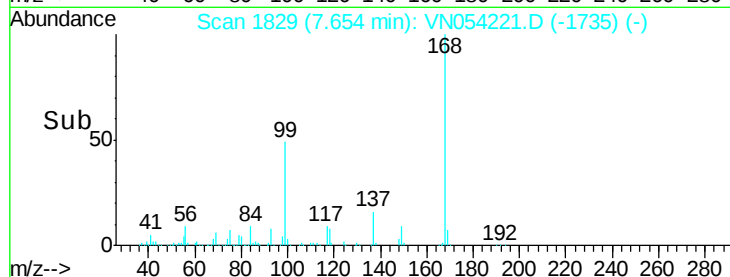
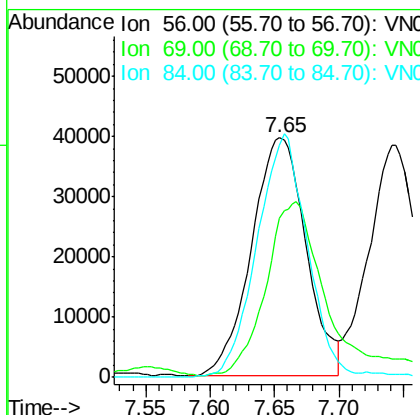
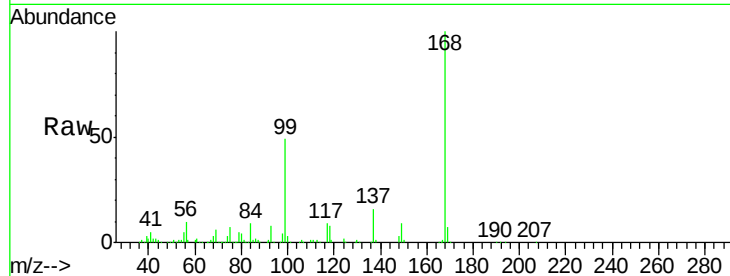
#31
Cyclohexane
Concen: 3.90 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054221.D
Acq: 13 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampleId :
PR-MW-01_030819

Tot Ion	Ratio	Lower	Upper
56	100		
69	65.8	27.8	41.6#
84	97.9	74.6	111.8

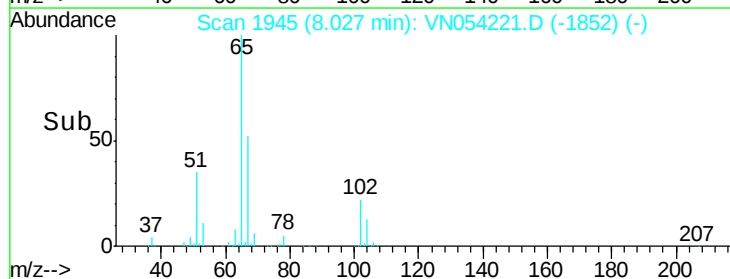
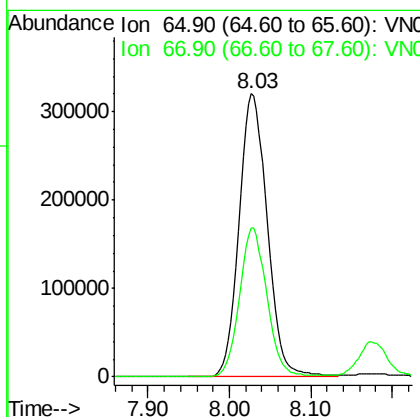
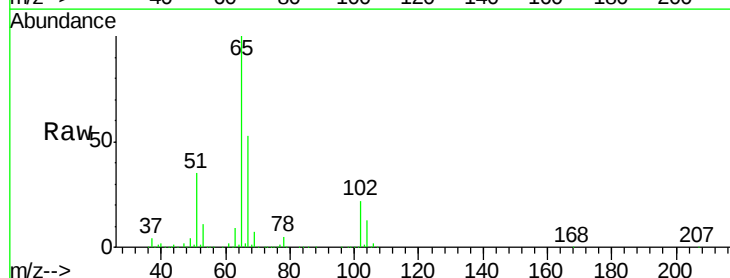
Manual Integrations
APPROVED

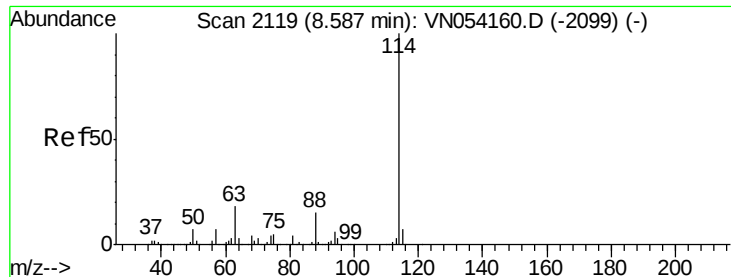
MMDadoda
3/25/2019 5:39:39 PM



#33
1,2-Dichloroethane-d4
Concen: 49.72 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054221.D
Acq: 13 Mar 2019 19:11

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	104.6





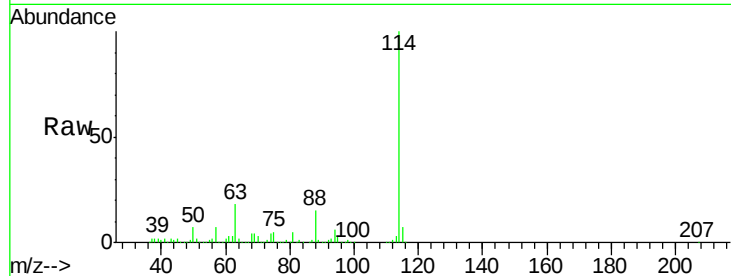
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN054221.D
Acq: 13 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampleId :
PR-MW-01_030819

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	35.2
88	14.8	0.0	30.2

Manual Integrations
APPROVED

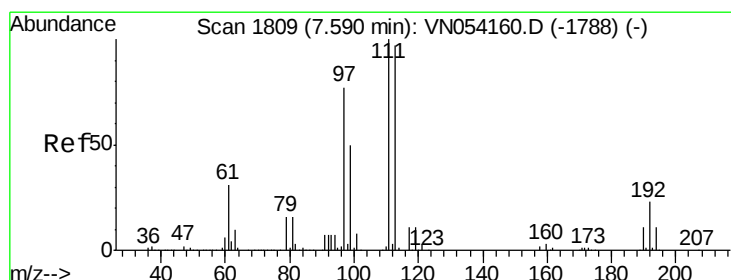
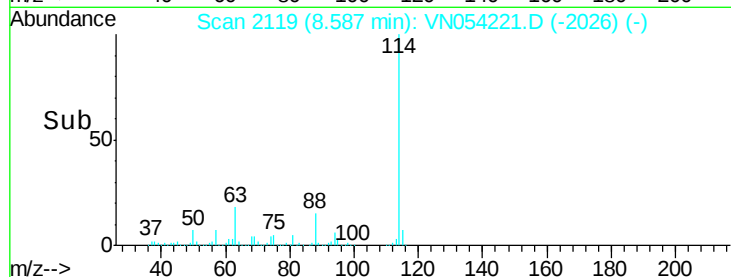
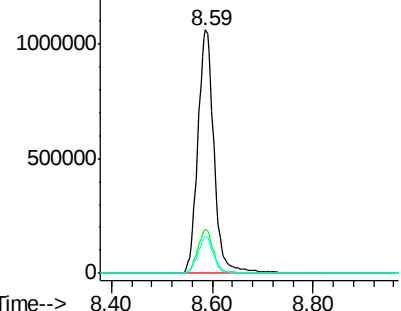
MMDadoda
3/25/2019 5:39:39 PM



Abundance Ion 113.90 (113.60 to 114.60): V

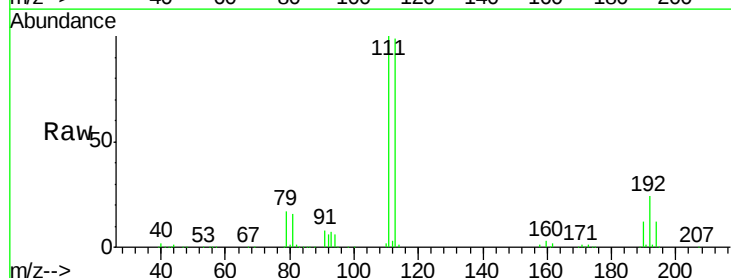
Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35
Dibromofluoromethane
Concen: 48.00 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054221.D
Acq: 13 Mar 2019 19:11

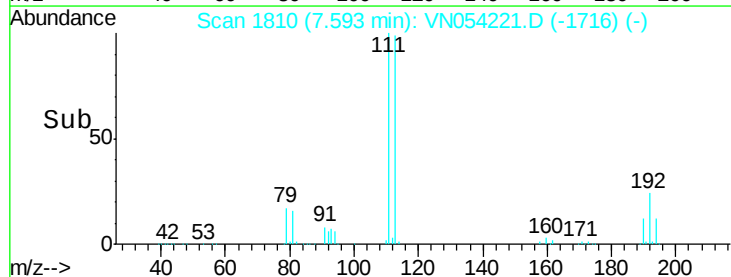
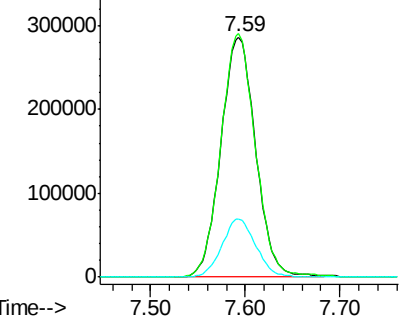
Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.2	123.4
192	23.5	19.2	28.8

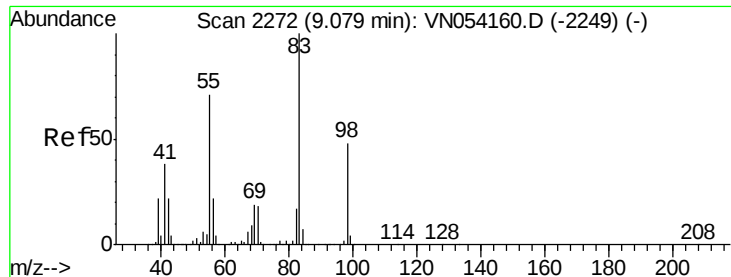


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





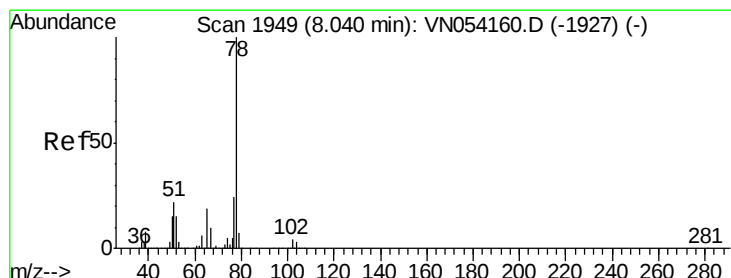
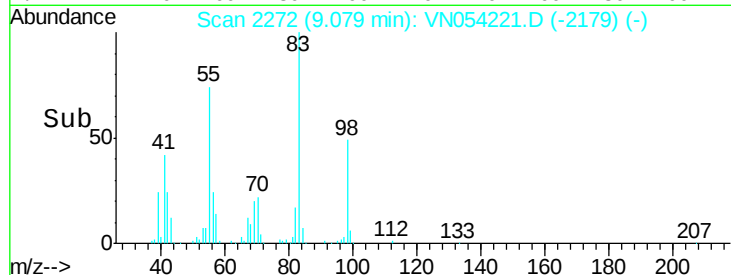
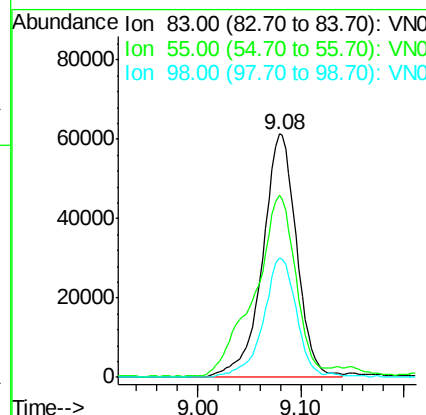
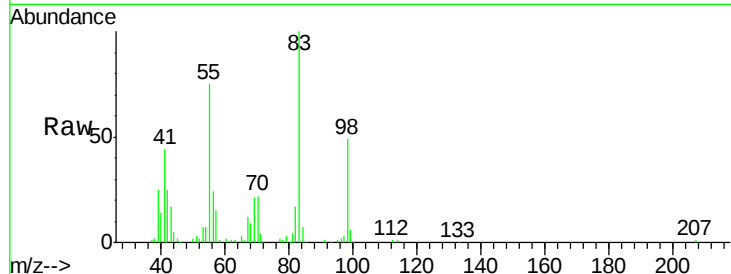
#39
Methylvlcvclohexane
Concen: 5.25 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054221.D
Acq: 13 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampleId :
PR-MW-01_030819

Tot Ion	83	Resp	140542
Ion	Ratio	Lower	Upper
83	100		
55	74.3	56.6	84.8
98	49.2	38.4	57.6

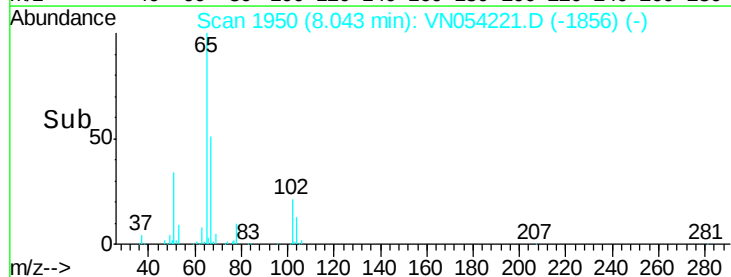
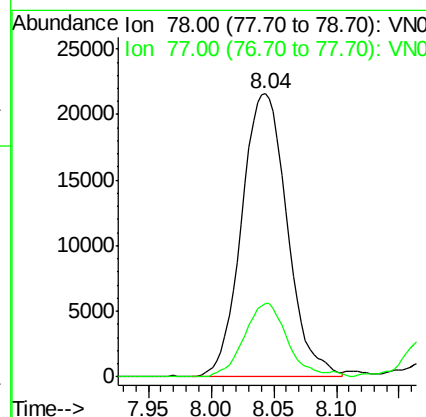
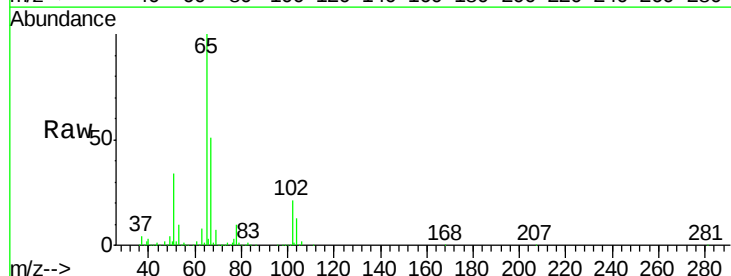
Manual Integrations
APPROVED

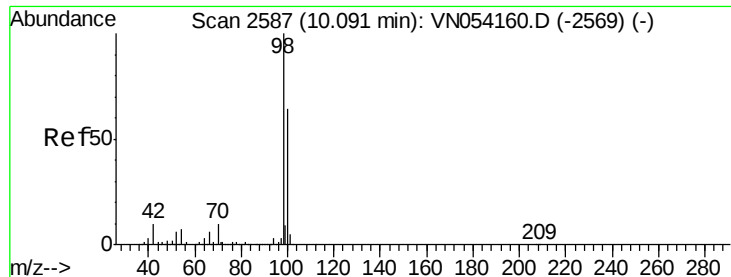
MMDadoda
3/25/2019 5:39:39 PM



#40
Benzene
Concen: 0.88 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054221.D
Acq: 13 Mar 2019 19:11

Tgt Ion	78	Resp	54614
Ion	Ratio	Lower	Upper
78	100		
77	26.0	19.1	28.7





#50

Toluene-d8

Concen: 52.24 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054221.D

Acq: 13 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

PR-MW-01_030819

Tot Ion: 98 Resp: 2939851

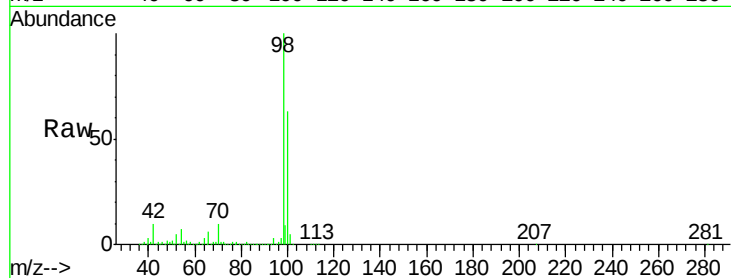
Ion Ratio Lower Upper

98 100

100 63.6 51.2 76.8

Manual Integrations
APPROVED

MMDadoda
3/25/2019 5:39:39 PM



Abundance Ion 98.00 (97.70 to 98.70): VN054160.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054160.D (-2569) (-)

1500000

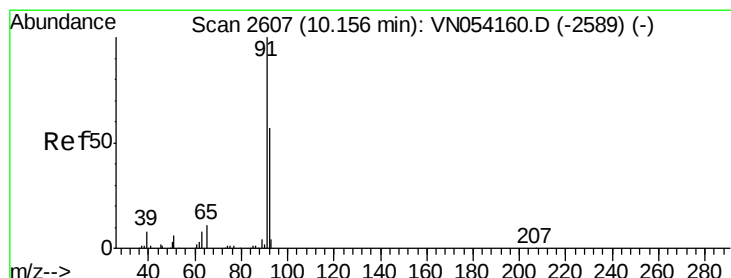
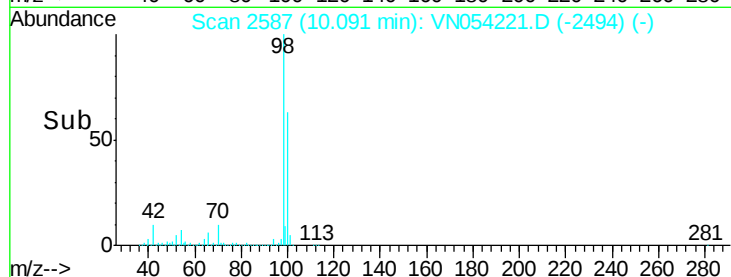
1000000

500000

0

10.00 10.09 10.20

Time-->



#52

Toluene

Concen: 14.72 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054221.D

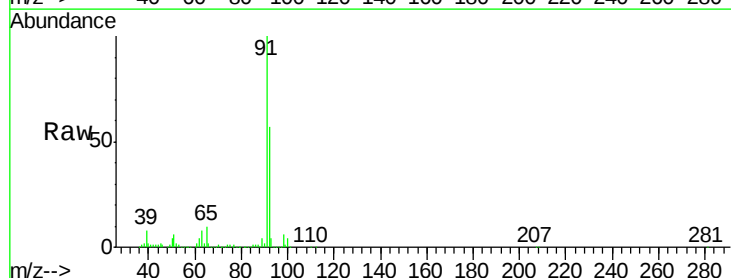
Acq: 13 Mar 2019 19:11

Tgt Ion: 92 Resp: 581320

Ion Ratio Lower Upper

92 100

91 176.3 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054160.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN054160.D (-2589) (-)

600000

500000

400000

300000

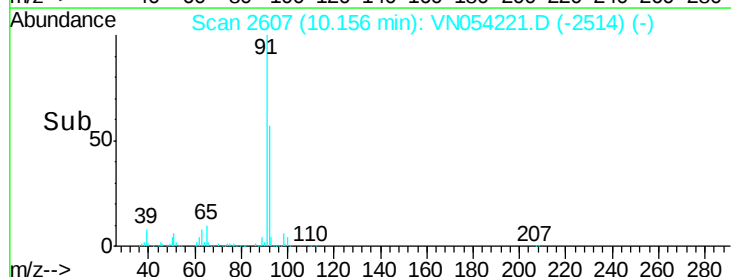
200000

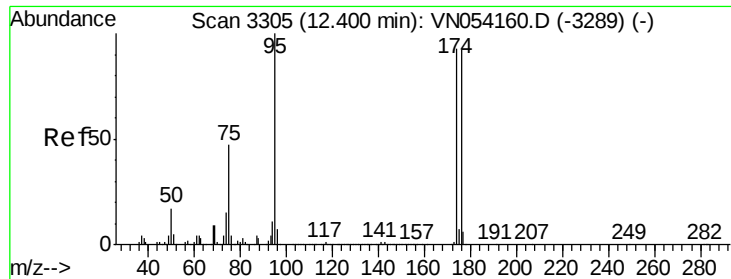
100000

0

10.10 10.16 10.20 10.30

Time-->





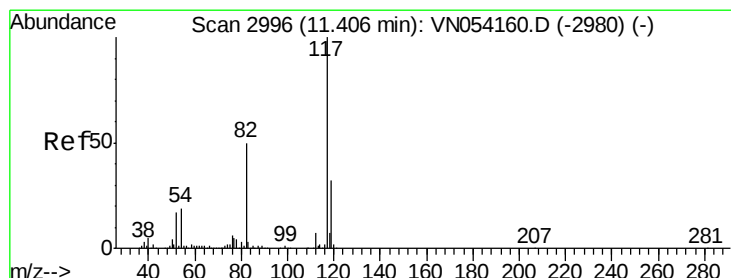
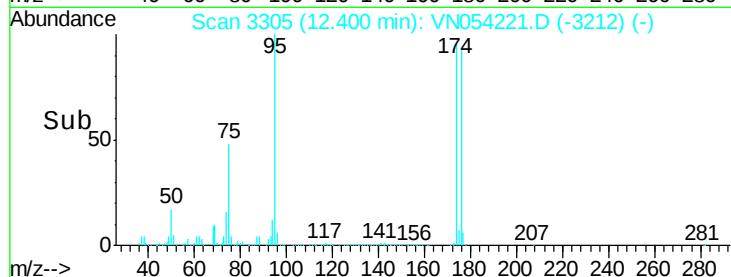
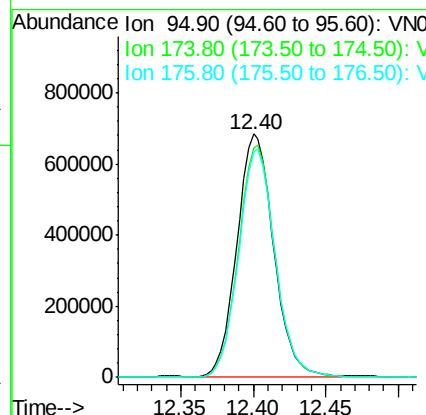
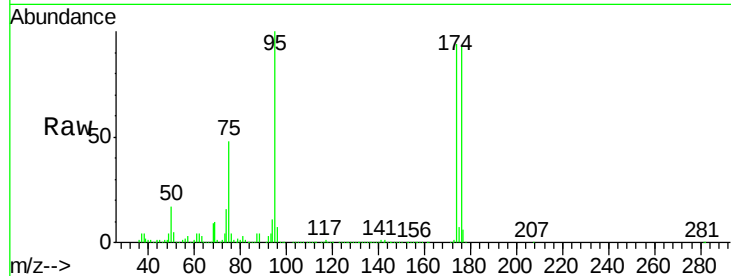
#62
4-Bromofluorobenzene
Concen: 60.89 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054221.D
Acq: 13 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampleId :
PR-MW-01_030819

Tot Ion	Ratio	Lower	Upper
95	100		
174	95.9	0.0	191.0
176	93.6	0.0	187.4

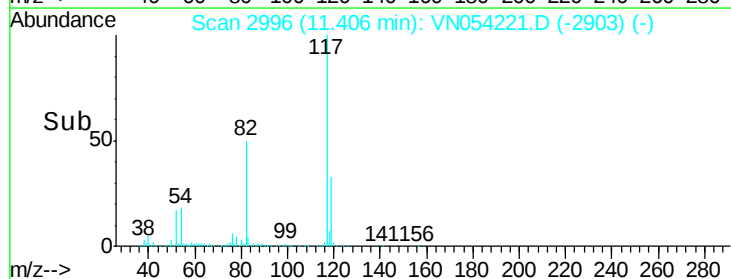
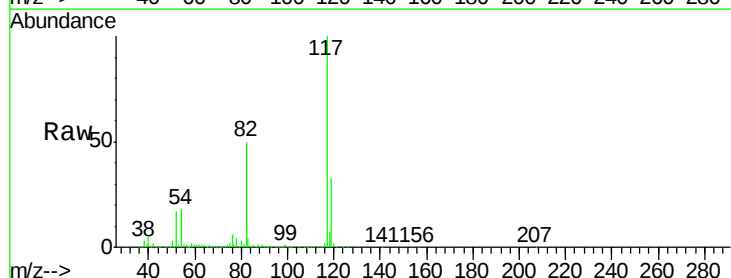
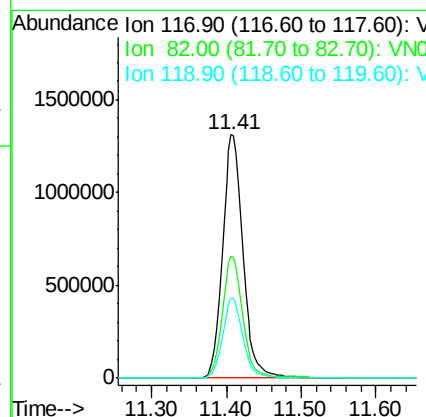
Manual Integrations
APPROVED

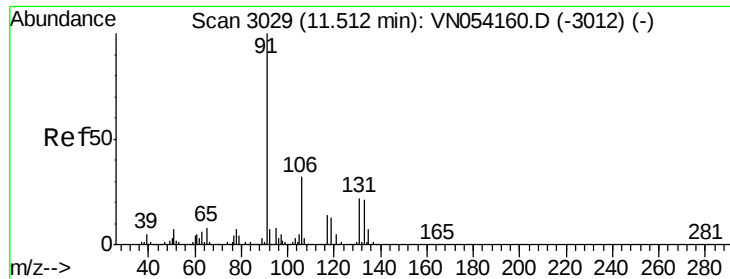
MMDadoda
3/25/2019 5:39:39 PM



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054221.D
Acq: 13 Mar 2019 19:11

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.3	40.0	60.0
119	32.8	25.8	38.6





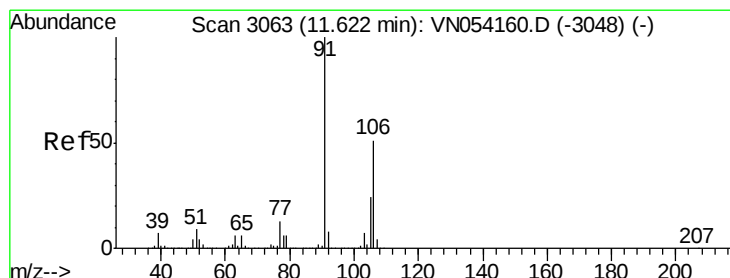
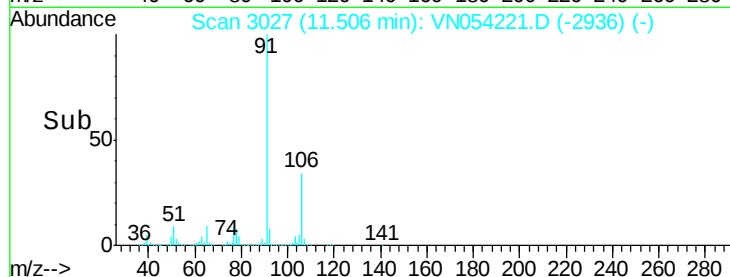
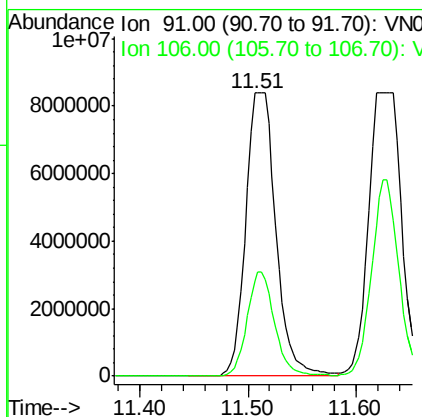
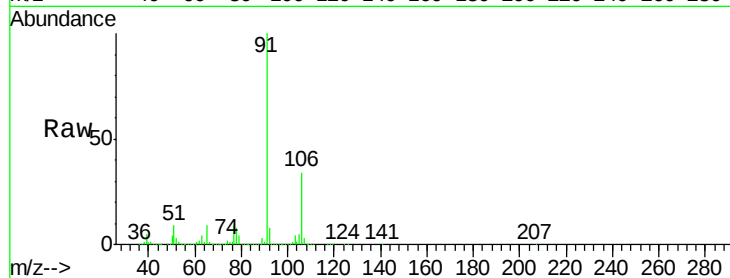
#67
Ethyl Benzene
Concen: 181.59 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.01 min
Lab File: VN054221.D
Acq: 13 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampleId :
PR-MW-01_030819

Tot Ion: 91 Resp:16340391
Ion Ratio Lower Upper
91 100
106 33.6 25.5 38.3

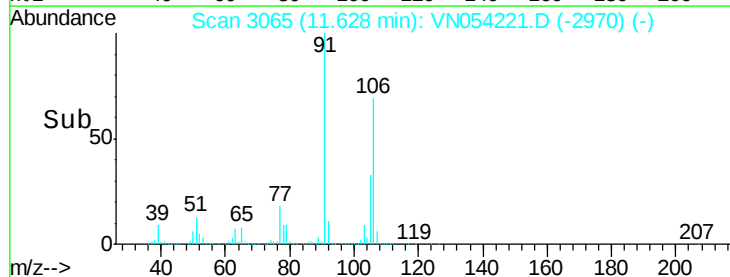
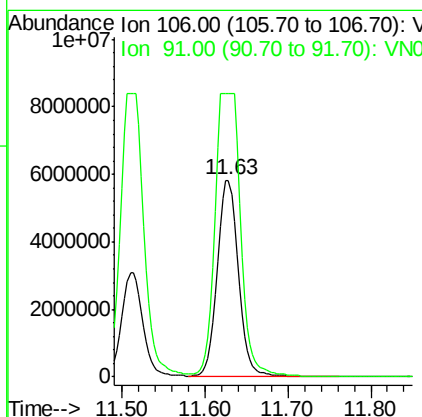
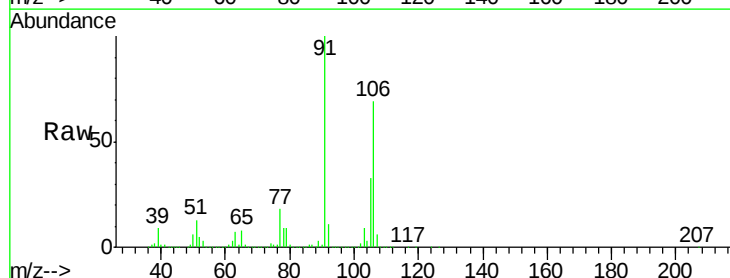
Manual Integrations
APPROVED

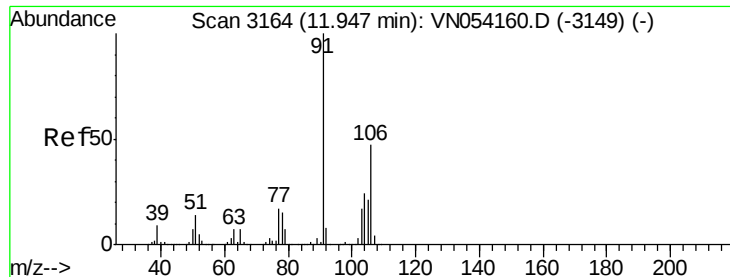
MMDadoda
3/25/2019 5:39:39 PM



#68
m/p-Xylenes
Concen: 292.64 ug/l
RT: 11.63 min Scan# 3065
Delta R.T. 0.01 min
Lab File: VN054221.D
Acq: 13 Mar 2019 19:11

Tgt Ion:106 Resp:10292021
Ion Ratio Lower Upper
106 100
91 0.0 159.4 239.2#





#69

o-Xylene

Concen: 202.24 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN054221.D

Acq: 13 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

PR-MW-01_030819

Tot Ion:106 Resp: 6933750

Ion Ratio Lower Upper

106 100

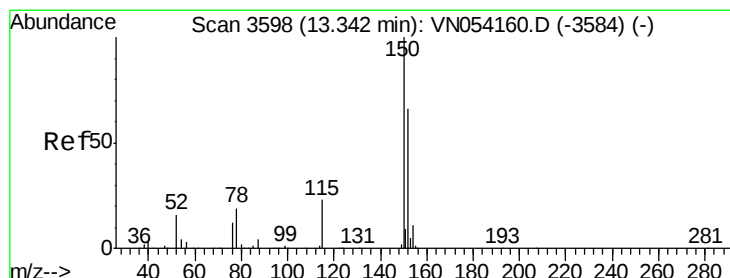
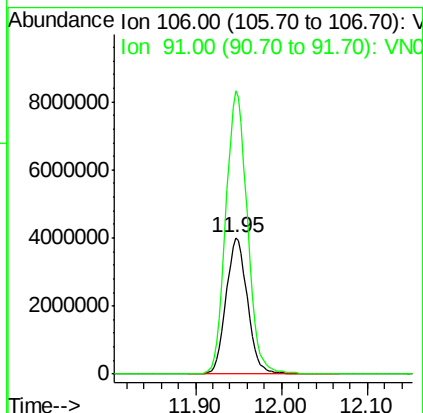
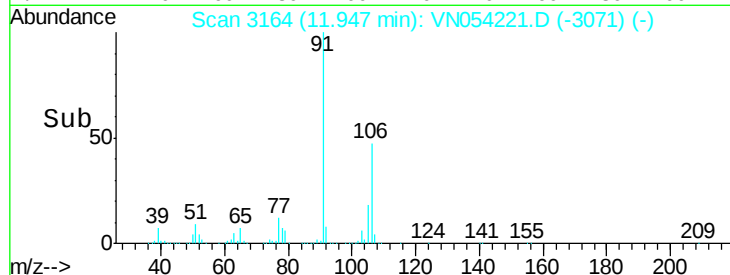
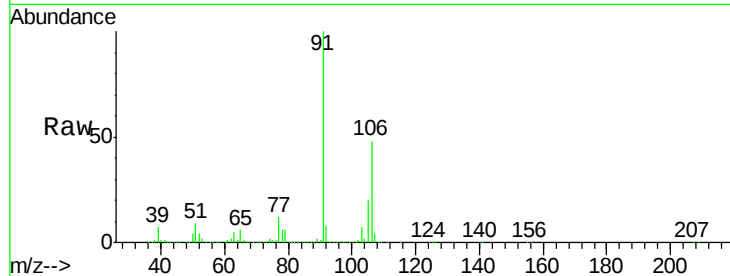
91 209.4 105.7 317.1

Manual Integrations

APPROVED

MMDadoda

3/25/2019 5:39:39 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054221.D

Acq: 13 Mar 2019 19:11

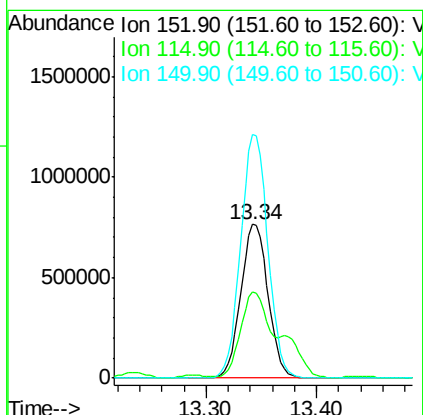
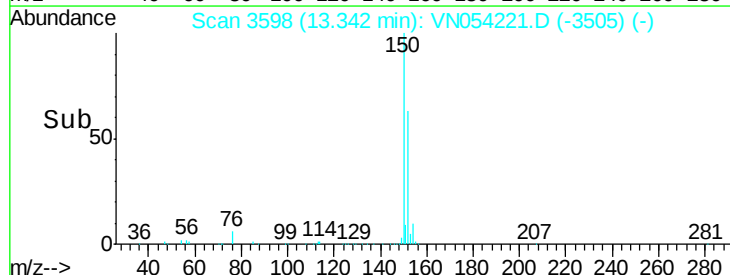
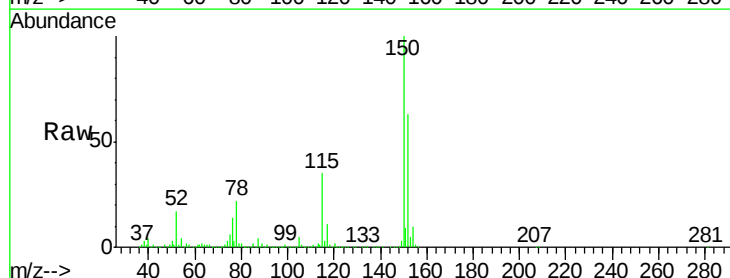
Tgt Ion:152 Resp: 1306462

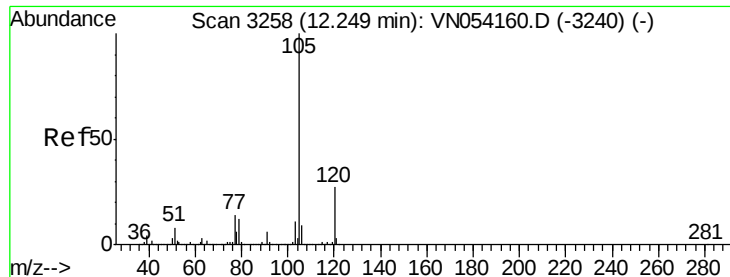
Ion Ratio Lower Upper

152 100

115 57.6 27.2 81.6

150 157.9 0.0 349.2





#73

Isopropylbenzene

Concen: 19.46 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054221.D

Acq: 13 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

PR-MW-01_030819

Tot Ion: 105 Resp: 2033569

Ion Ratio Lower Upper

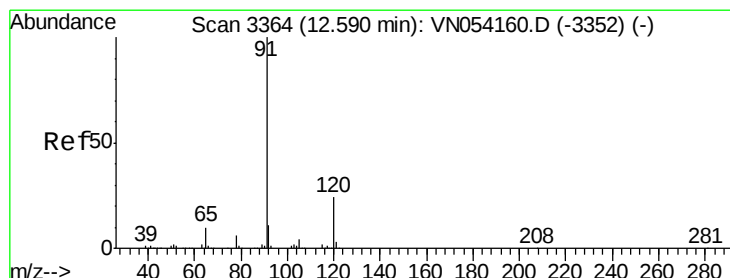
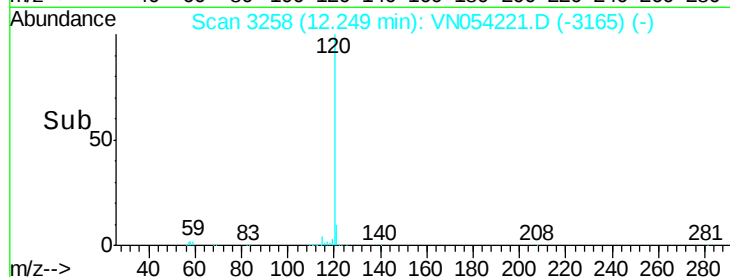
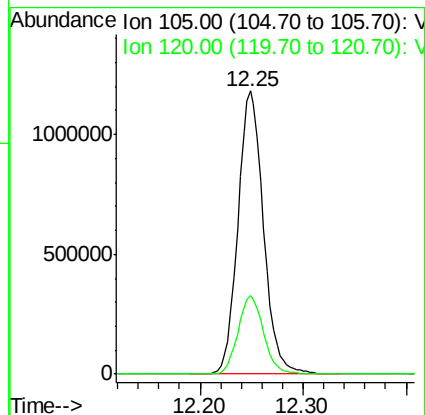
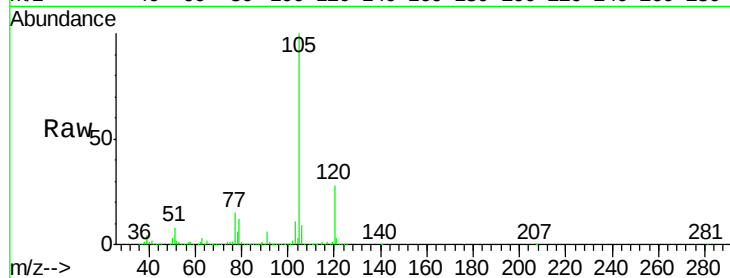
105 100

120 27.7 13.8 41.3

Manual Integrations
APPROVED

MMDadoda

3/25/2019 5:39:39 PM



#78

n-propylbenzene

Concen: 22.01 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054221.D

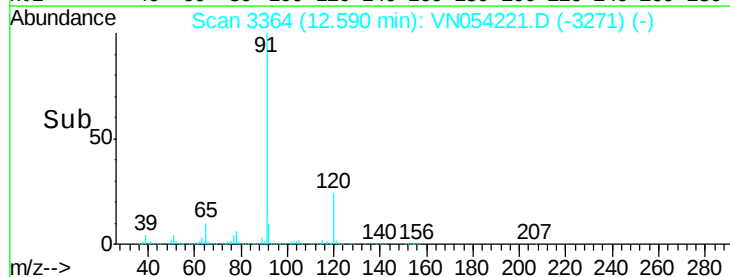
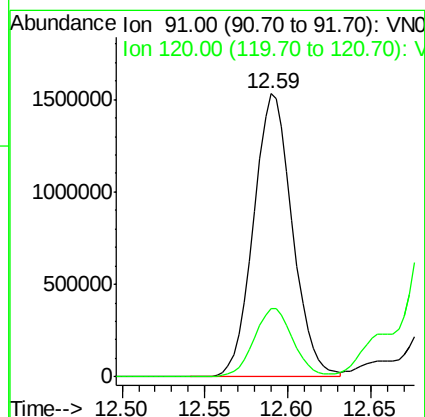
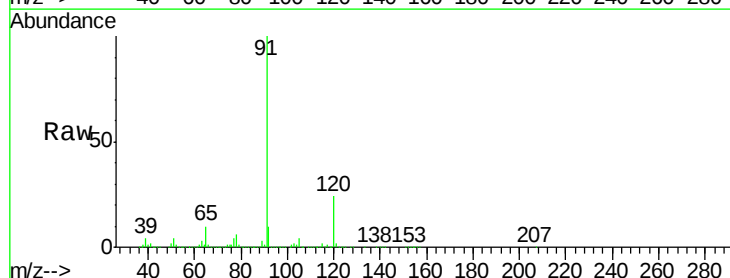
Acq: 13 Mar 2019 19:11

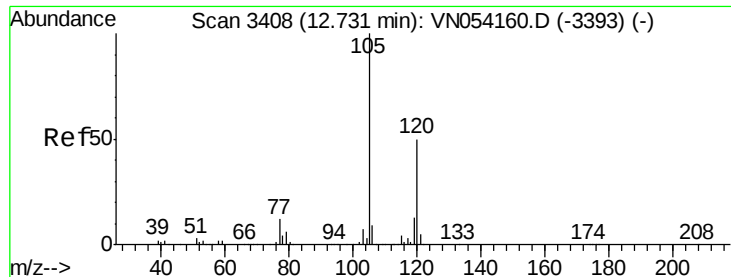
Tgt Ion: 91 Resp: 2496782

Ion Ratio Lower Upper

91 100

120 24.2 12.3 36.9





#80

1,3,5-Trimethylbenzene

Concen: 91.37 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054221.D

Acq: 13 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

PR-MW-01_030819

Tot Ion:105 Resp: 7944305

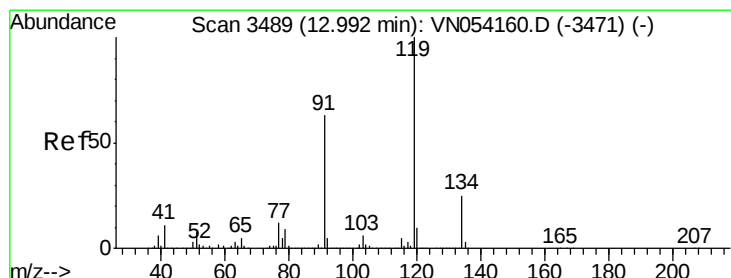
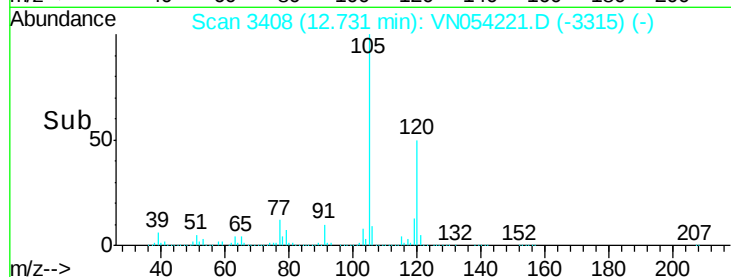
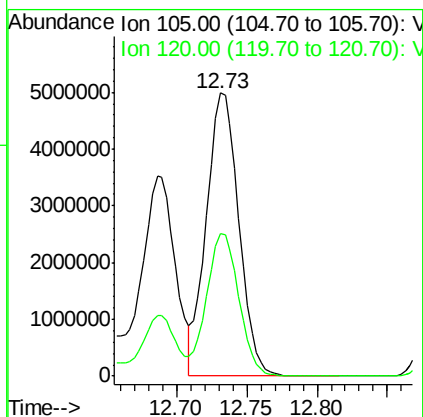
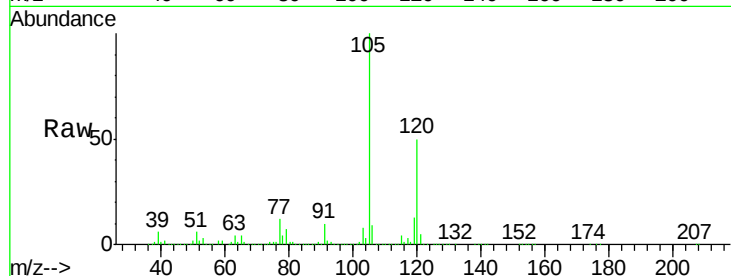
Ion Ratio Lower Upper

105 100

120 50.0 25.0 75.0

Manual Integrations
APPROVED

MMDadoda
3/25/2019 5:39:39 PM



#83

tert-Butylbenzene

Concen: 0.62 ug/l m

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054221.D

Acq: 13 Mar 2019 19:11

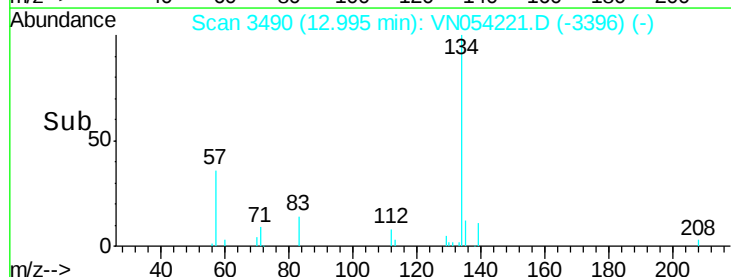
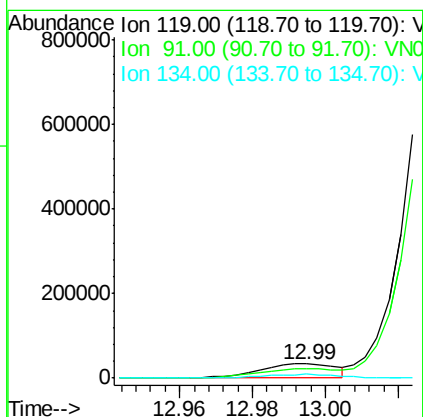
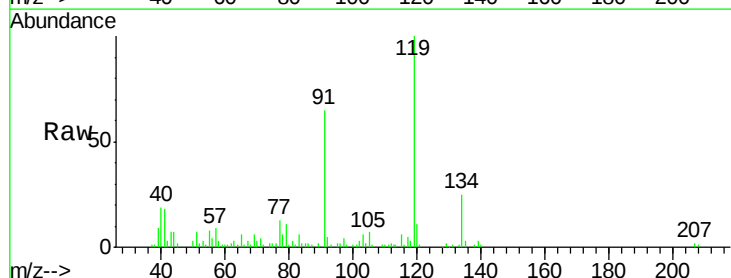
Tgt Ion:119 Resp: 49968

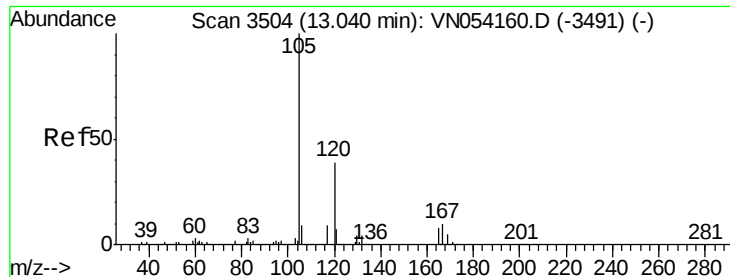
Ion Ratio Lower Upper

119 100

91 0.0 30.9 92.8#

134 0.0 13.2 39.6#





#84

1,2,4-Trimethylbenzene

Concen: 212.46 ug/l m

RT: 13.03 min Scan# 3501

Delta R.T. -0.01 min

Lab File: VN054221.D

Acq: 13 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

PR-MW-01_030819

Tot Ion:105 Resp:18121653

Ion Ratio Lower Upper

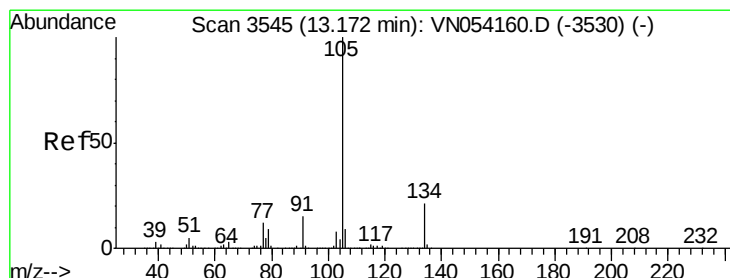
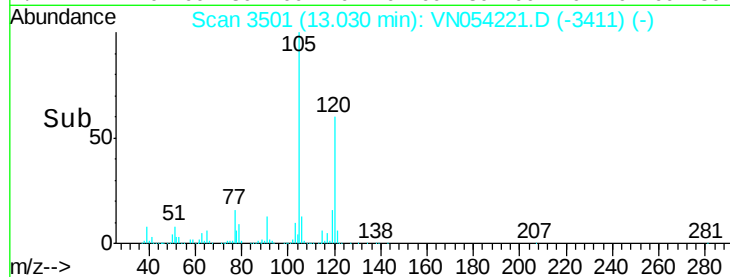
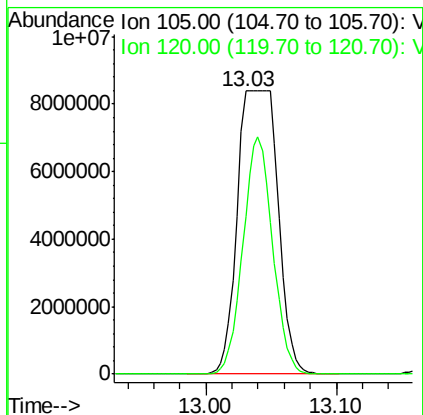
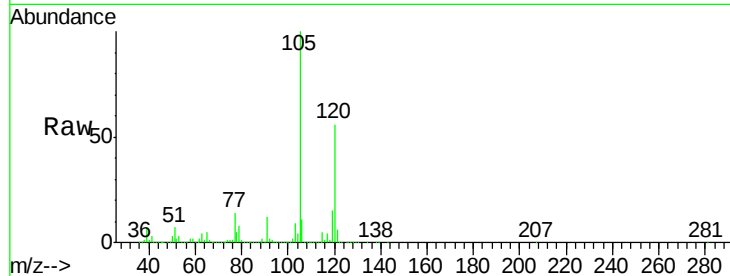
105 100

120 7.9 23.4 70.3#

Manual Integrations
APPROVED

MMDadoda

3/25/2019 5:39:39 PM



#85

sec-Butylbenzene

Concen: 3.26 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054221.D

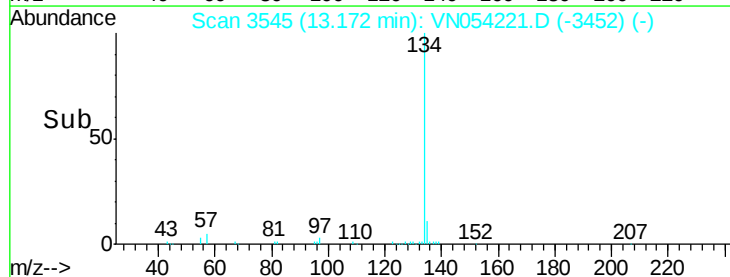
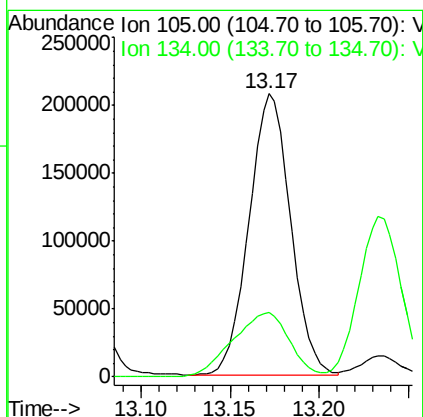
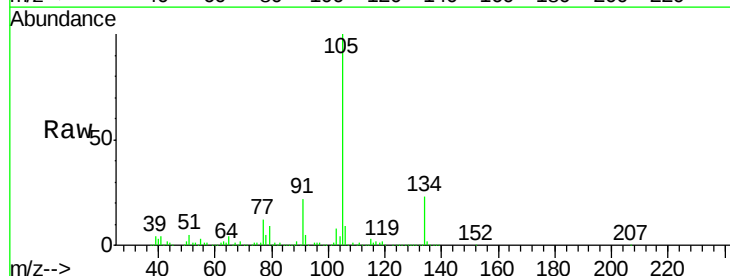
Acq: 13 Mar 2019 19:11

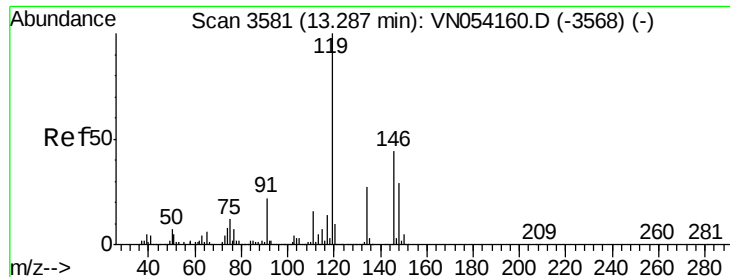
Tgt Ion:105 Resp: 337859

Ion Ratio Lower Upper

105 100

134 31.1 10.7 32.1





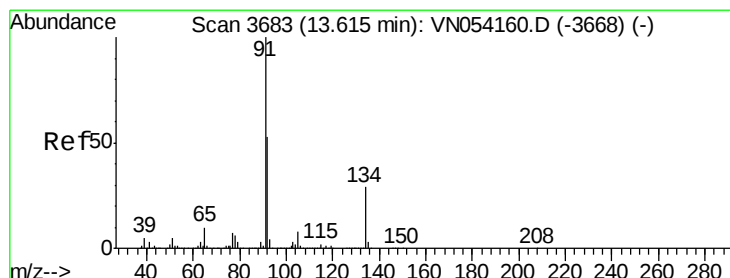
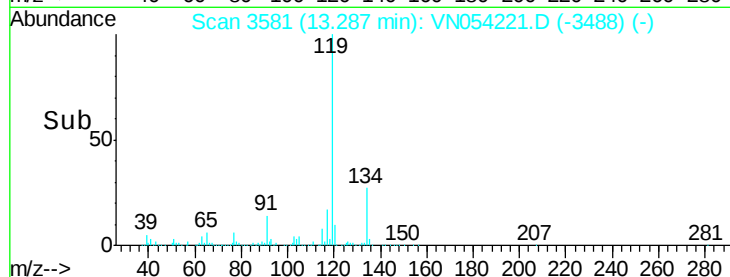
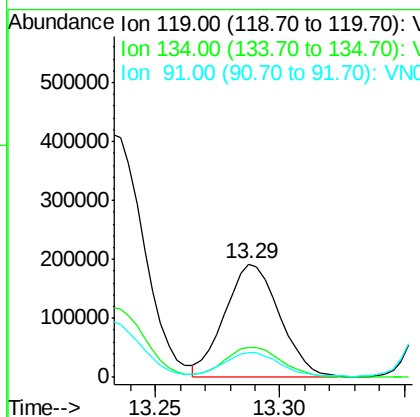
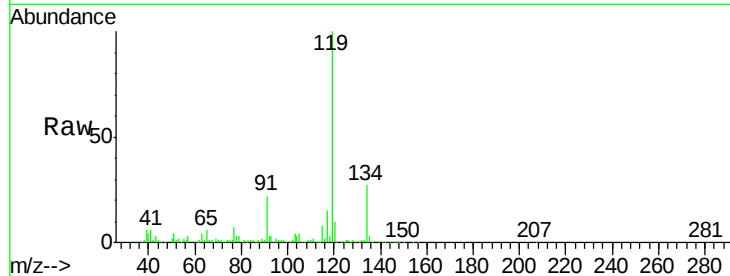
#86
 p-Isopropyltoluene
 Concen: 3.24 ug/l m
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054221.D
 Acq: 13 Mar 2019 19:11

Instrument :
 MSVOA_N
 ClientSampleId :
 PR-MW-01_030819

Tot Ion	Ratio	Resp	Lower	Upper
119	100	294825		
134	65.8	13.6	40.8#	
91	47.4	11.1	33.3#	

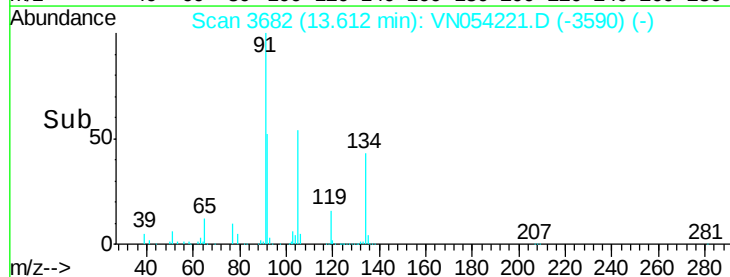
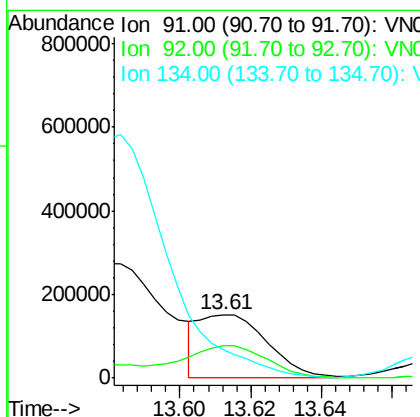
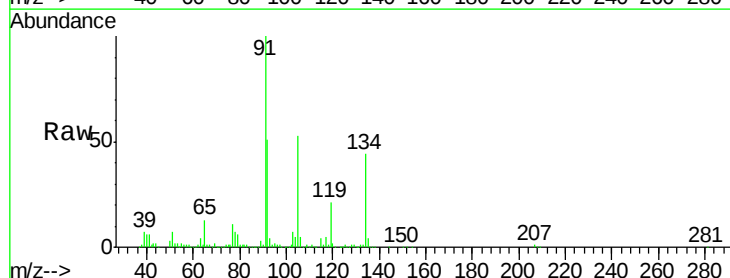
Manual Integrations
 APPROVED

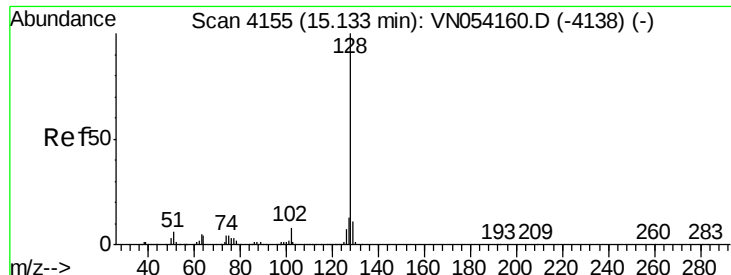
MMDadoda
 3/25/2019 5:39:39 PM



#89
 n-Butylbenzene
 Concen: 2.94 ug/l m
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN054221.D
 Acq: 13 Mar 2019 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	203197		
92	14.4	26.2	78.6#	
134	513.6	14.3	42.9#	





#95
Naphthalene
Concen: 105.09 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054221.D
Acq: 13 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampleId :
PR-MW-01_030819

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/25/2019 5:39:39 PM

