

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
 Data File : VN054220.D
 Acq On : 13 Mar 2019 18:45
 Operator : JC/SP
 Sample : K1842-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PR-MW-05_030819

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 10:27:34 AM

Quant Time: Mar 14 10:42:02 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	7.66	168	1318571	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2260470	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2422245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1196607	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	729484	52.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.18%	
35) Dibromofluoromethane	7.59	113	693784	47.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.18%	
50) Toluene-d8	10.09	98	2851752	52.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.92%	
62) 4-Bromofluorobenzene	12.40	95	1151853	61.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.28%	
Target Compounds						
						Qvalue
16) Acetone	3.81	43	45804m	11.424	ug/l	
39) Methylcyclohexane	9.08	83	73388	2.865	ug/l	97
52) Toluene	10.16	92	172734	4.573	ug/l	94
67) Ethyl Benzene	11.51	91	7818713	88.683	ug/l	99
68) m/p-Xylenes	11.62	106	5539788	160.765	ug/l	99
69) o-Xylene	11.95	106	12336m	0.367	ug/l	
73) Isopropylbenzene	12.25	105	1184743	12.375	ug/l	100
78) n-propylbenzene	12.59	91	1054218	10.148	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	860937	10.811	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	4009140	51.318	ug/l	100
85) sec-Butylbenzene	13.17	105	94184m	0.991	ug/l	
86) p-Isopropyltoluene	13.29	119	33649m	0.404	ug/l	
89) n-Butylbenzene	13.61	91	49919	0.788	ug/l #	71
95) Naphthalene	15.13	128	1249789	25.630	ug/l	100

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

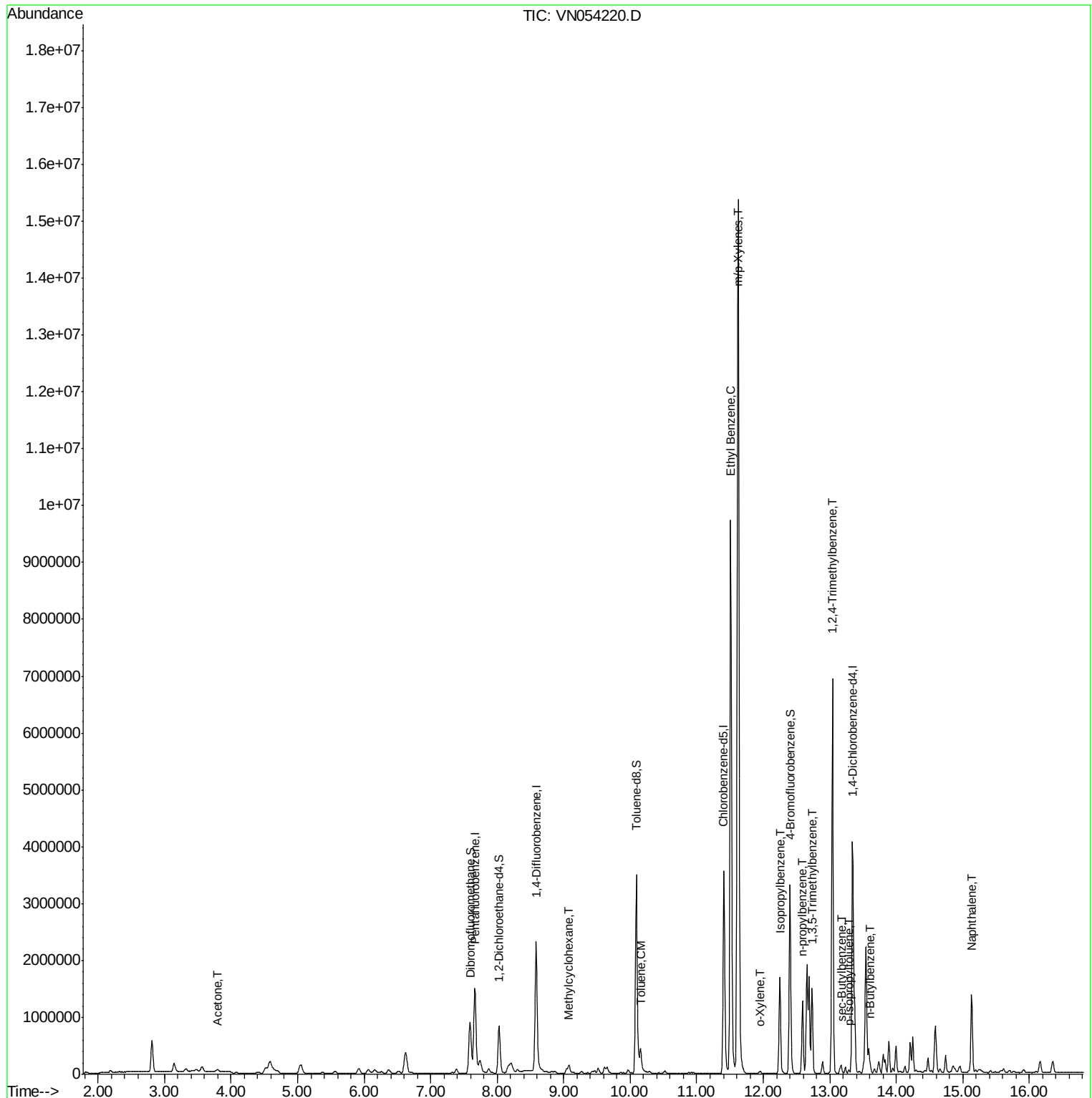
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
Data File : VN054220.D
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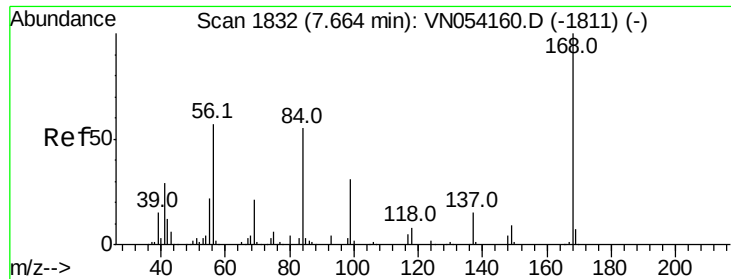
Instrument :
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Quant Time: Mar 14 10:42:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054220.D

Acq: 13 Mar 2019 18:45

Instrument :

MSVOA_N

ClientSampleId :

PR-MW-05_030819

Tot Ion:168 Resp: 1318571

Ion Ratio Lower Upper

168 100

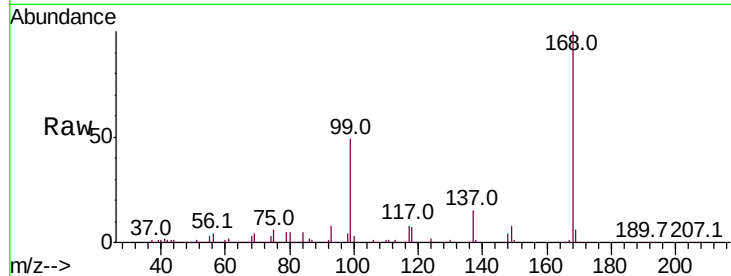
99 48.6 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

600000

500000

400000

300000

200000

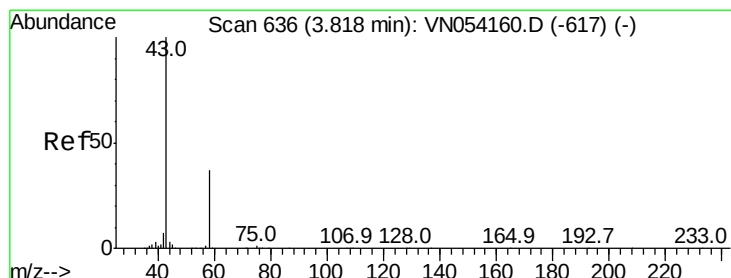
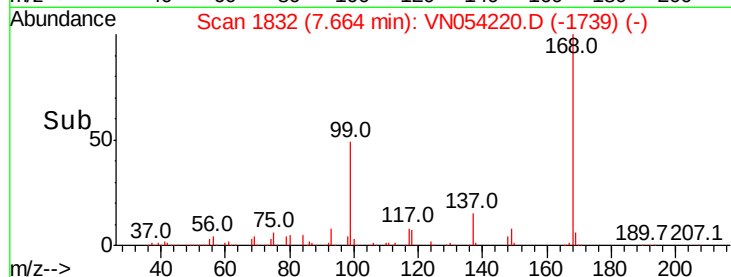
100000

0

7.66

7.60 7.70

Time-->



#16

Acetone

Concen: 11.424 ug/l m

RT: 3.81 min Scan# 633

Delta R.T. -0.01 min

Lab File: VN054220.D

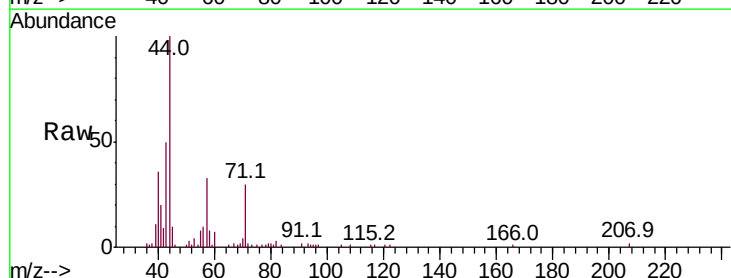
Acq: 13 Mar 2019 18:45

Tgt Ion: 43 Resp: 45804

Ion Ratio Lower Upper

43 100

58 16.4 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

10000

8000

6000

4000

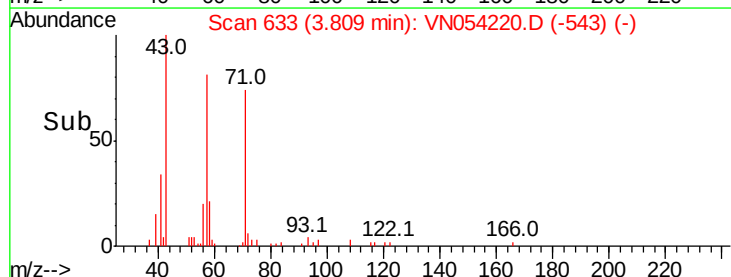
2000

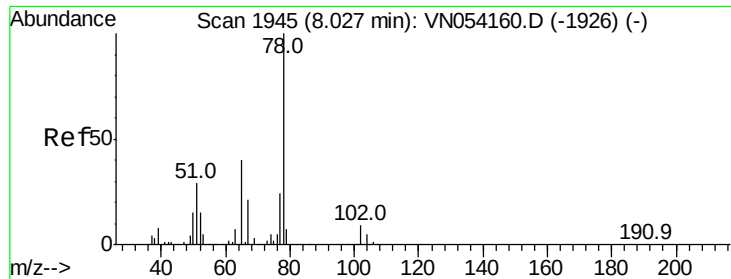
0

3.81

3.70 3.75 3.80 3.85 3.90

Time-->





#33

1,2-Dichloroethane-d4

Concen: 52.094 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054220.D

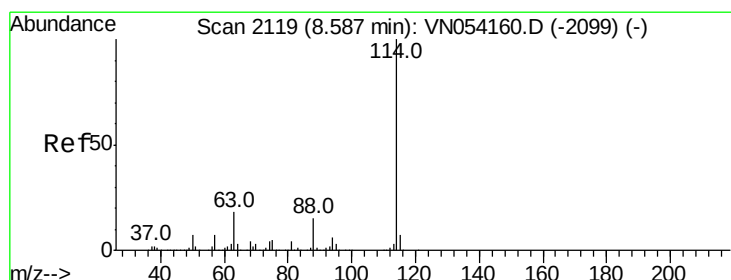
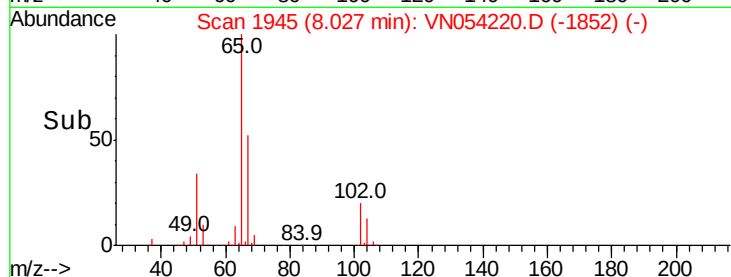
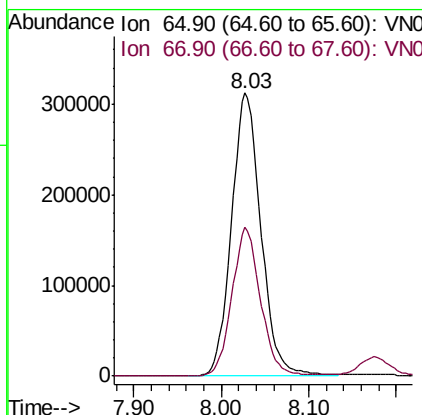
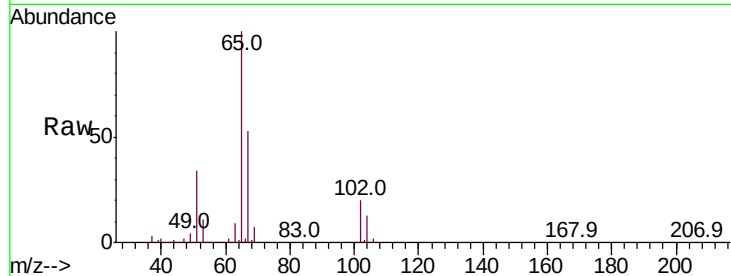
Acq: 13 Mar 2019 18:45

Instrument :
MSVOA_N
ClientSampleId :
PR-MW-05_030819

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	104.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

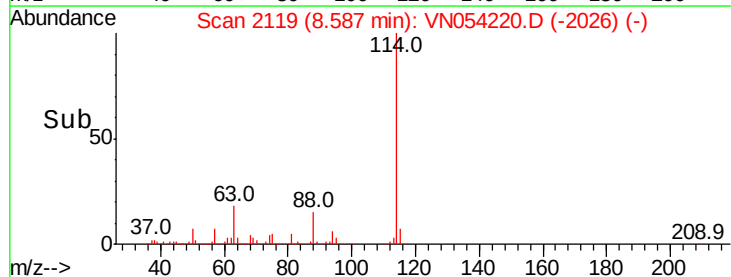
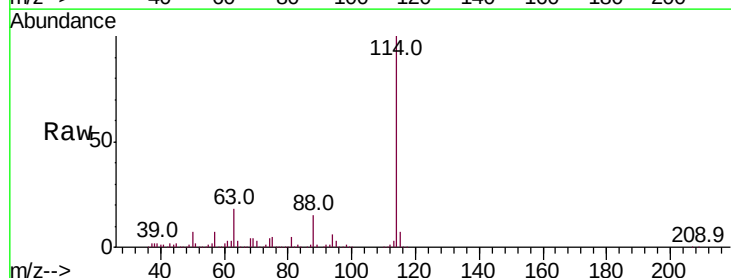
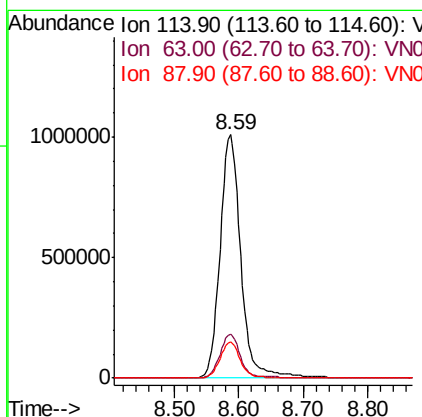
RT: 8.59 min Scan# 2119

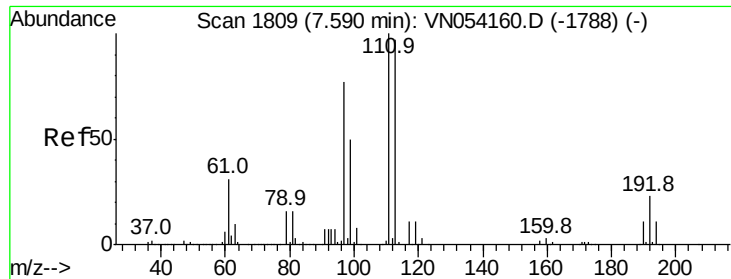
Delta R.T. -0.00 min

Lab File: VN054220.D

Acq: 13 Mar 2019 18:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	35.2
88	15.0	0.0	30.2





#35

Dibromofluoromethane

Concen: 47.588 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054220.D

Acq: 13 Mar 2019 18:45

Instrument :

MSVOA_N

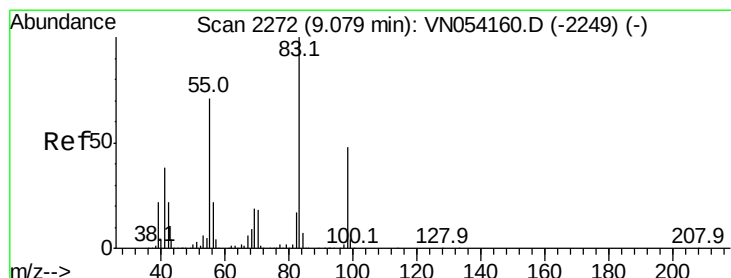
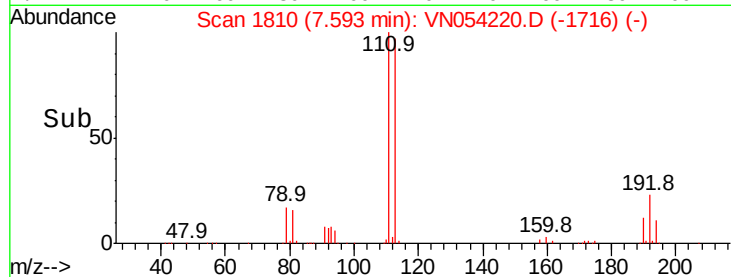
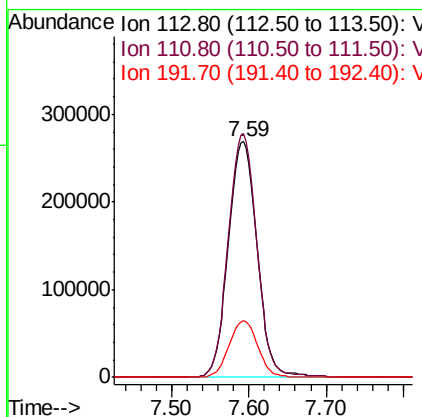
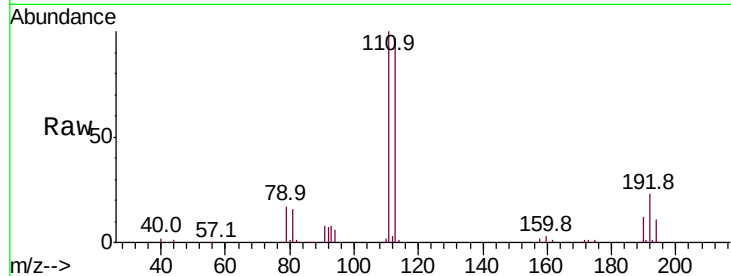
ClientSampleId :

PR-MW-05_030819

Tot Ion:	113	Resp:	693784
Ion Ratio	Lower	Upper	
113	100		
111	102.6	82.2	123.4
192	23.8	19.2	28.8

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#39

Methylcyclohexane

Concen: 2.865 ug/l

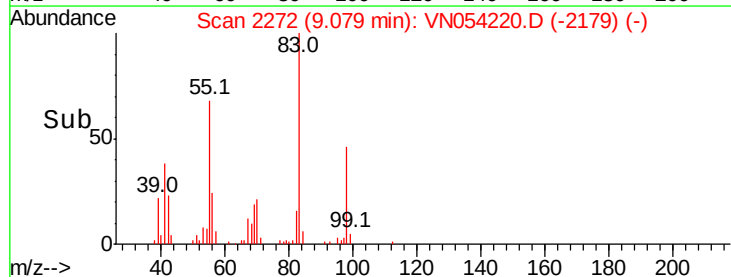
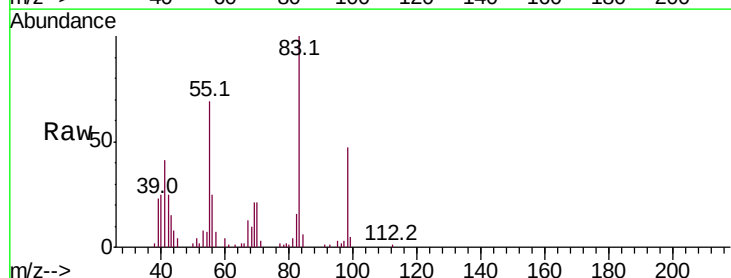
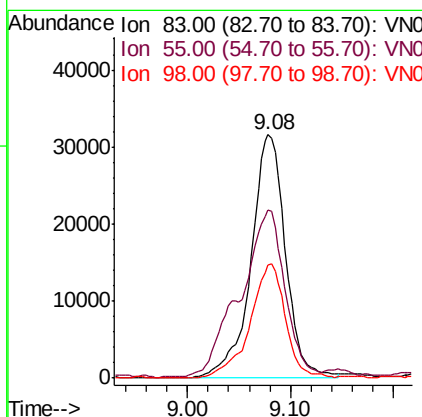
RT: 9.08 min Scan# 2272

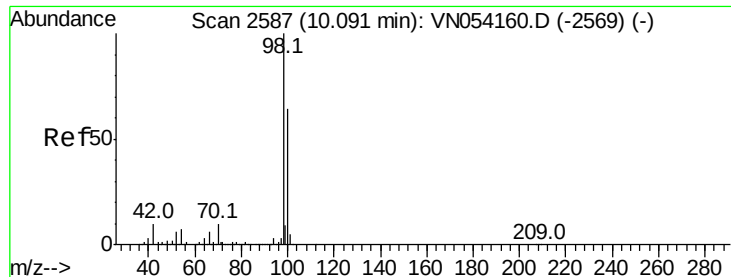
Delta R.T. 0.00 min

Lab File: VN054220.D

Acq: 13 Mar 2019 18:45

Tgt Ion:	83	Resp:	73388
Ion Ratio	Lower	Upper	
83	100		
55	67.6	56.6	84.8
98	46.6	38.4	57.6





#50

Toluene-d8

Concen: 52.964 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054220.D

Acq: 13 Mar 2019 18:45

Instrument :

MSVOA_N

ClientSampleId :

PR-MW-05_030819

Tot Ion: 98 Resp: 2851752

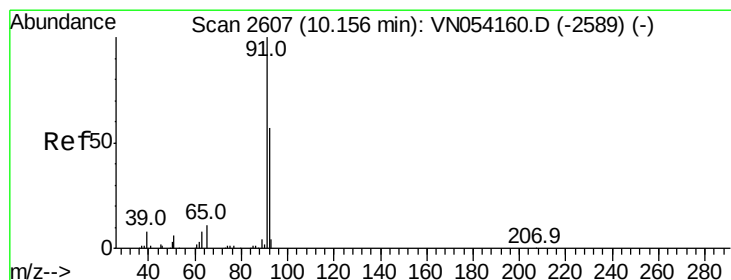
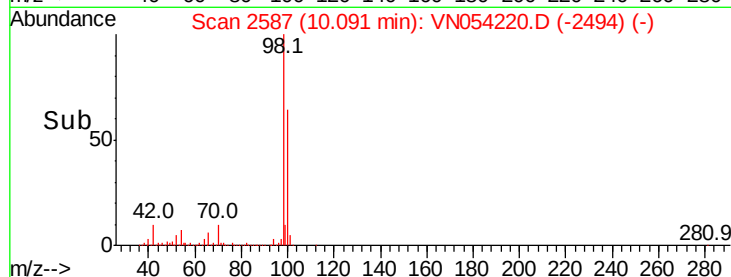
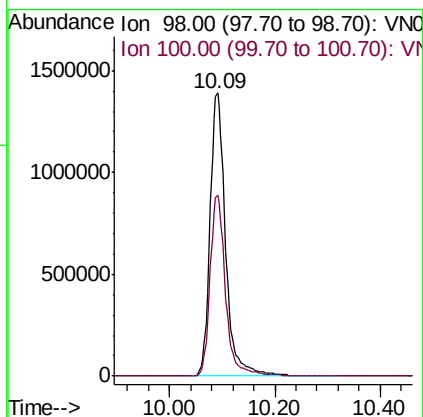
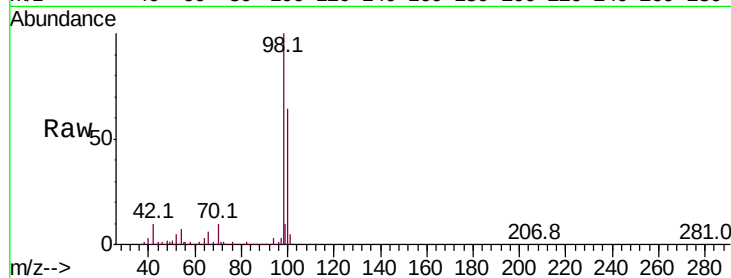
Ion Ratio Lower Upper

98 100

100 63.5 51.2 76.8

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#52

Toluene

Concen: 4.573 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054220.D

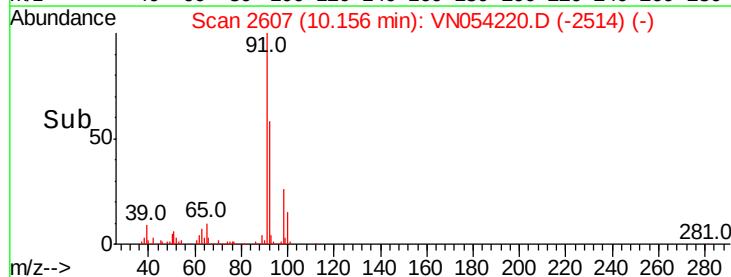
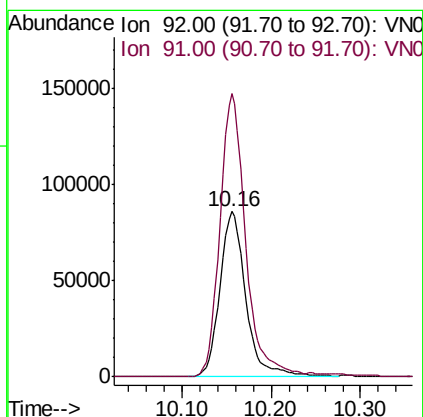
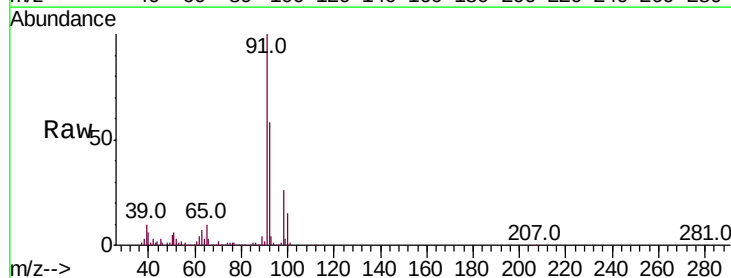
Acq: 13 Mar 2019 18:45

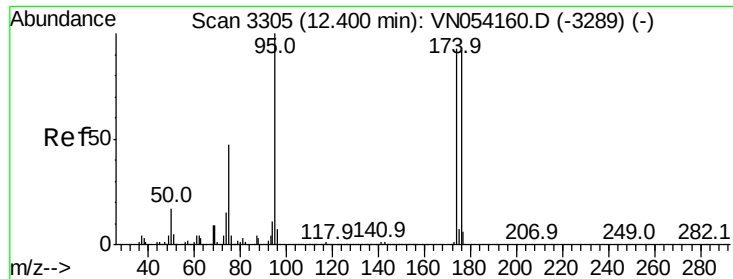
Tgt Ion: 92 Resp: 172734

Ion Ratio Lower Upper

92 100

91 167.9 140.7 211.1





#62

4-Bromofluorobenzene

Concen: 61.140 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054220.D

Acq: 13 Mar 2019 18:45

Instrument :

MSVOA_N

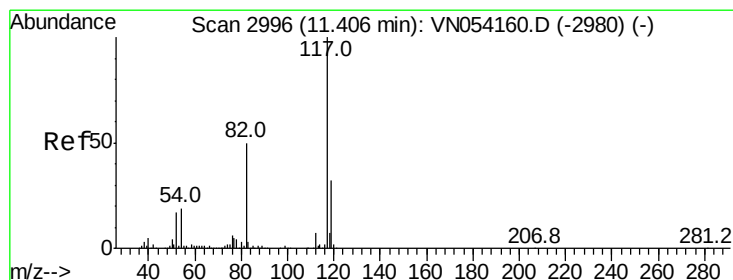
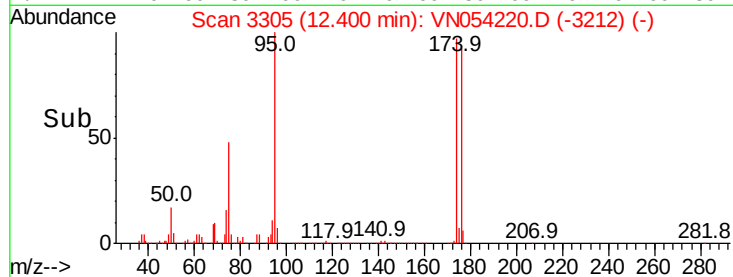
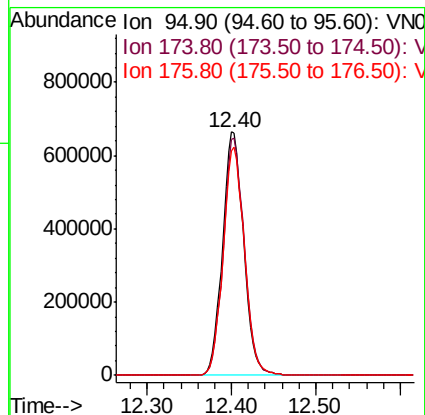
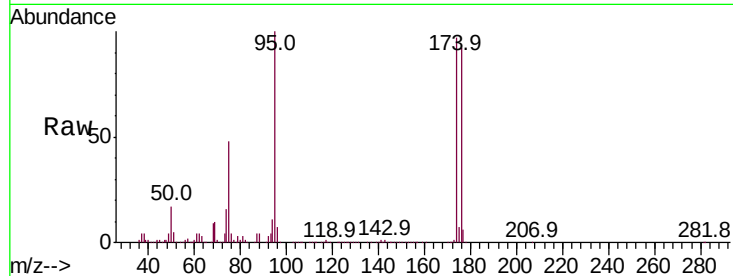
ClientSampleId :

PR-MW-05_030819

Tot Ion:	95	Resp:	1151853
Ion	Ratio	Lower	Upper
95	100		
174	97.1	0.0	191.0
176	94.5	0.0	187.4

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

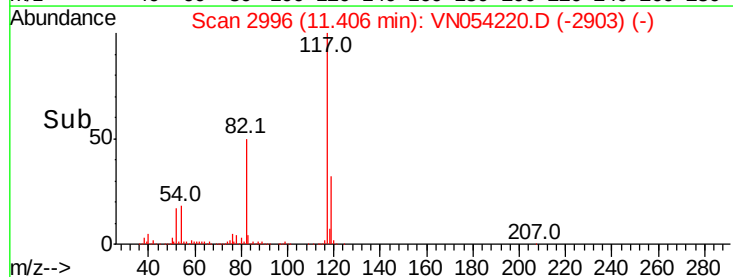
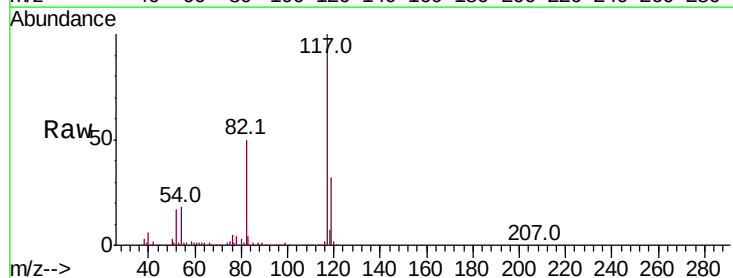
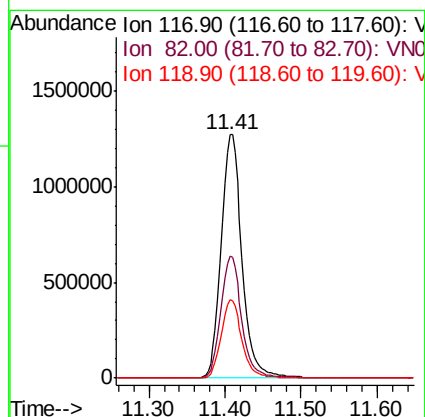
RT: 11.41 min Scan# 2996

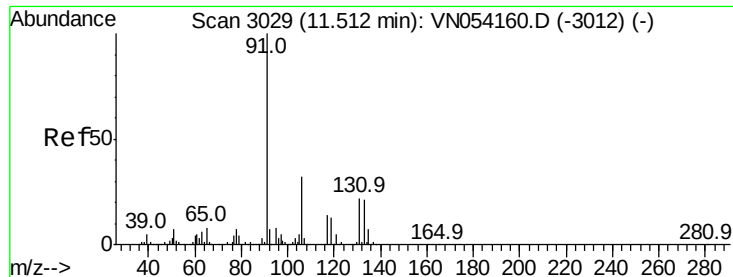
Delta R.T. 0.00 min

Lab File: VN054220.D

Acq: 13 Mar 2019 18:45

Tgt Ion:	117	Resp:	2422245
Ion	Ratio	Lower	Upper
117	100		
82	50.0	40.0	60.0
119	32.1	25.8	38.6





#67

Ethyl Benzene

Concen: 88.683 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054220.D

Acq: 13 Mar 2019 18:45

Instrument :

MSVOA_N

ClientSampleId :

PR-MW-05_030819

Tot Ion: 91 Resp: 7818713

Ion Ratio Lower Upper

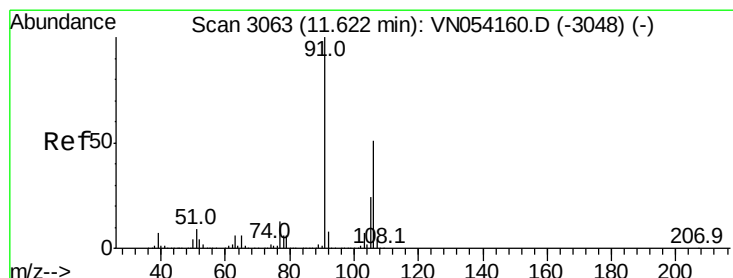
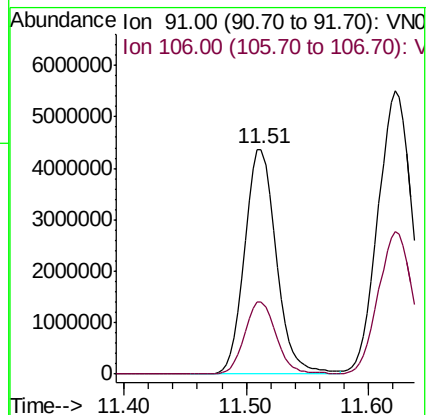
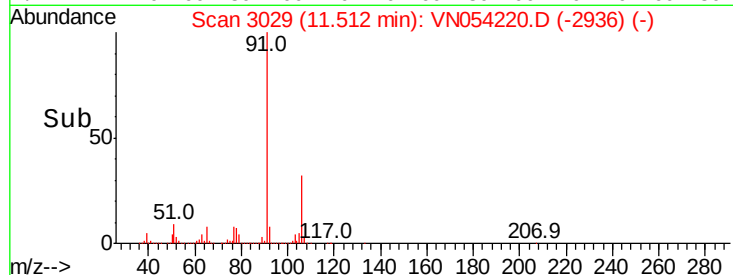
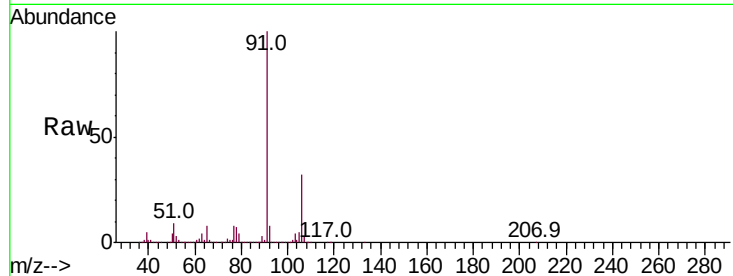
91 100

106 32.3 25.5 38.3

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#68

m/p-Xylenes

Concen: 160.765 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054220.D

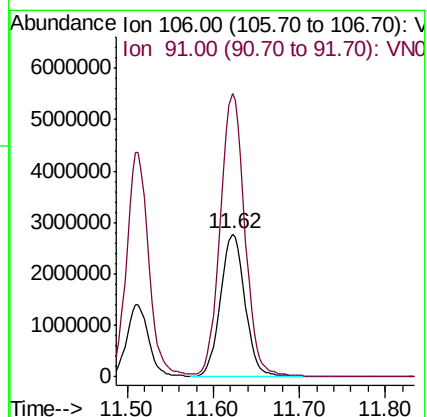
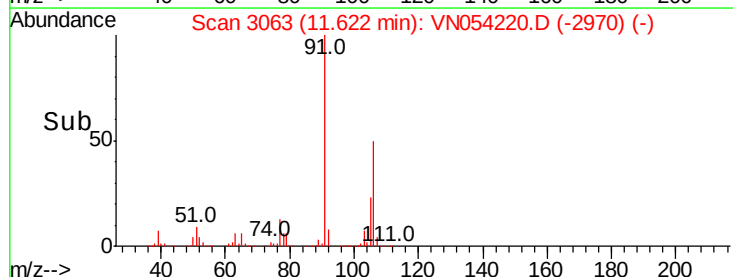
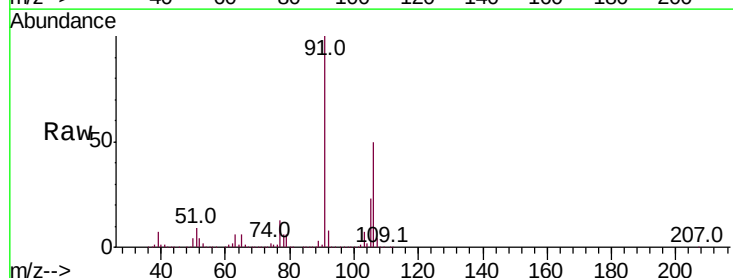
Acq: 13 Mar 2019 18:45

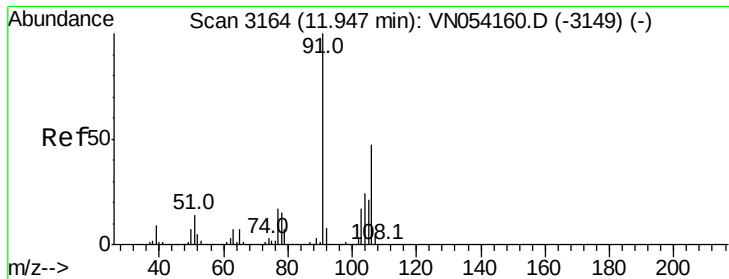
Tgt Ion: 106 Resp: 5539788

Ion Ratio Lower Upper

106 100

91 198.5 159.4 239.2





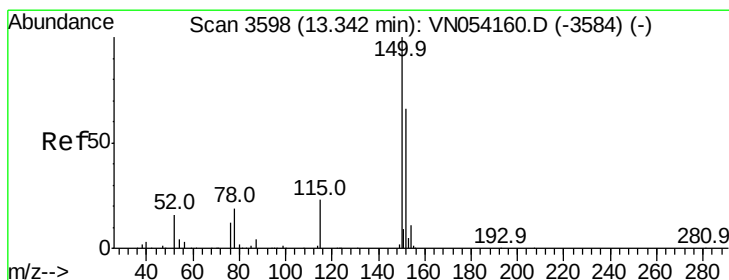
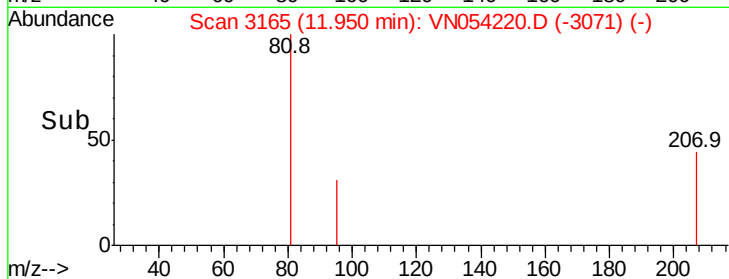
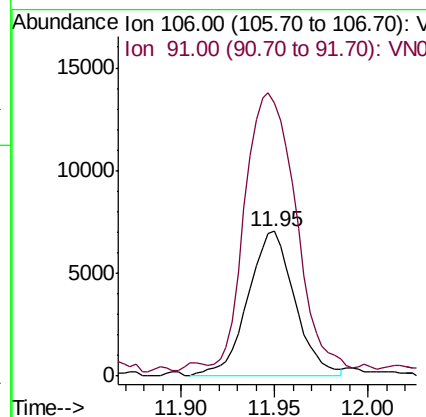
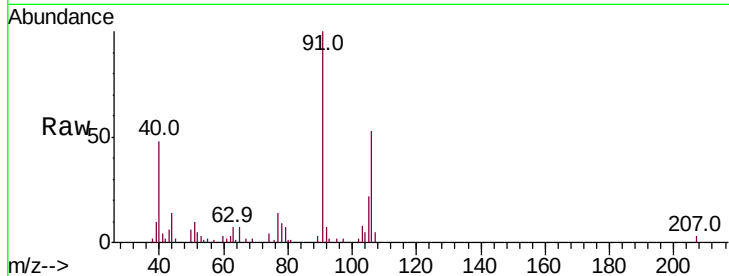
#69
o-Xylene
Concen: 0.367 ug/l m
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054220.D
Acq: 13 Mar 2019 18:45

Instrument :
MSVOA_N
ClientSampleId :
PR-MW-05_030819

Tot Ion:106 Resp: 12336
Ion Ratio Lower Upper
106 100
91 0.0 105.7 317.1#

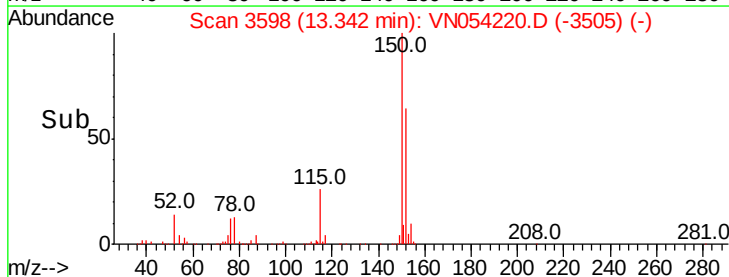
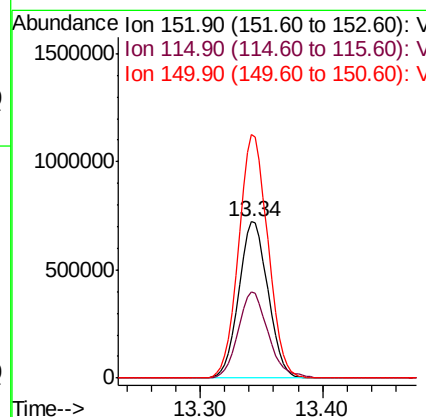
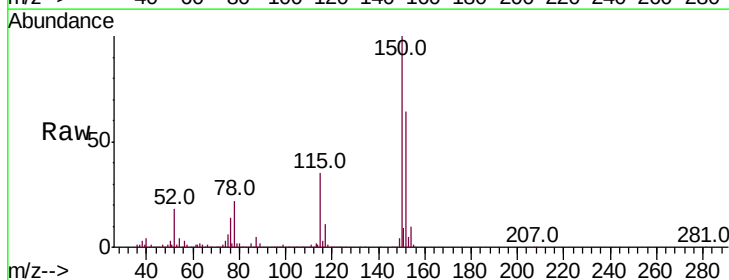
Manual Integrations
APPROVED

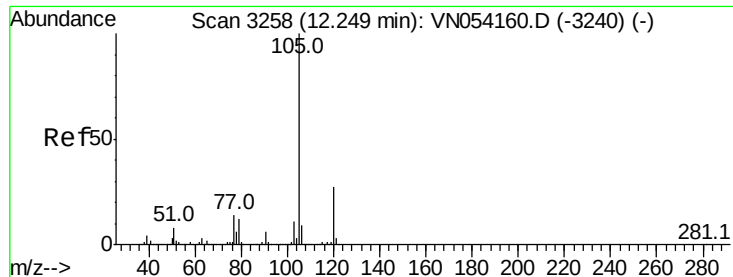
MMDadoda
3/14/2019 10:27:34 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054220.D
Acq: 13 Mar 2019 18:45

Tgt Ion:152 Resp: 1196607
Ion Ratio Lower Upper
152 100
115 56.6 27.2 81.6
150 155.9 0.0 349.2





#73

Isopropylbenzene

Concen: 12.375 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054220.D

Acq: 13 Mar 2019 18:45

Instrument :

MSVOA_N

ClientSampleId :

PR-MW-05_030819

Tot Ion:105 Resp: 1184743

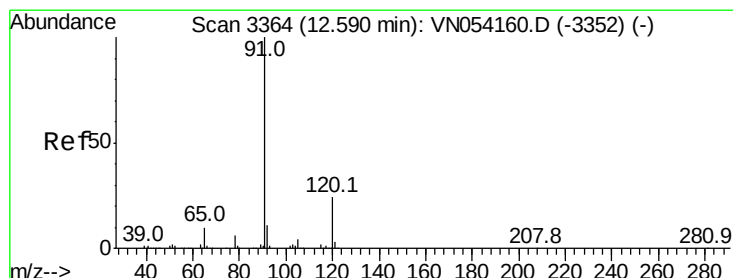
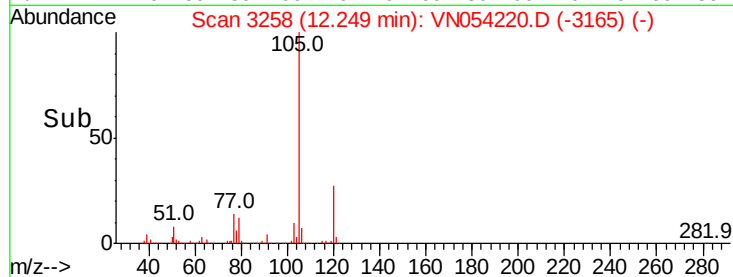
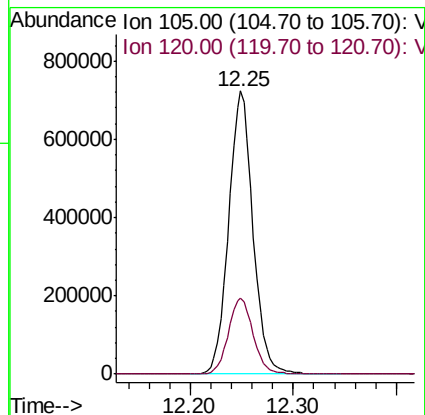
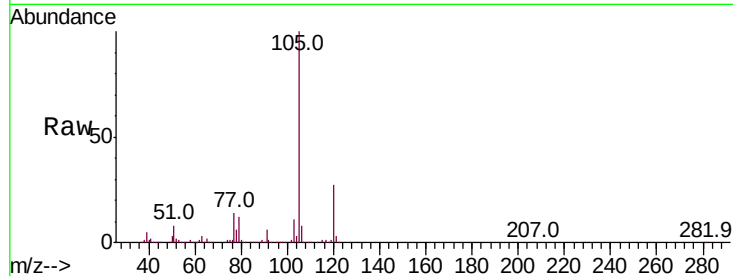
Ion Ratio Lower Upper

105 100

120 27.4 13.8 41.3

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#78

n-propylbenzene

Concen: 10.148 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054220.D

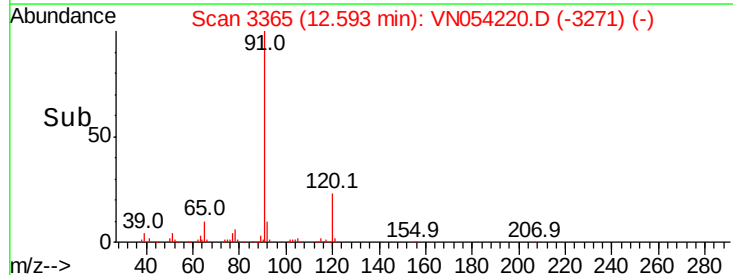
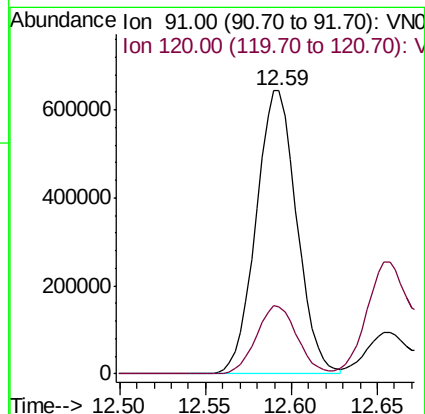
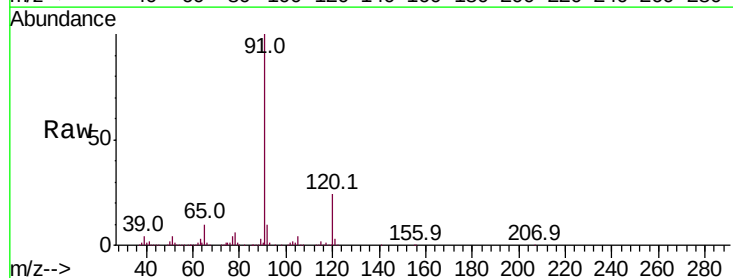
Acq: 13 Mar 2019 18:45

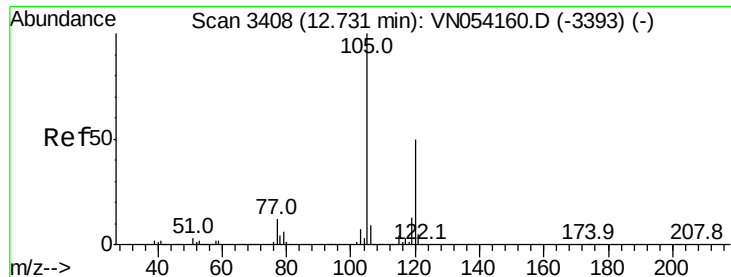
Tgt Ion: 91 Resp: 1054218

Ion Ratio Lower Upper

91 100

120 24.1 12.3 36.9





#80

1,3,5-Trimethylbenzene

Concen: 10.811 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054220.D

Acq: 13 Mar 2019 18:45

Instrument :

MSVOA_N

ClientSampleId :

PR-MW-05_030819

Tot Ion:105 Resp: 860937

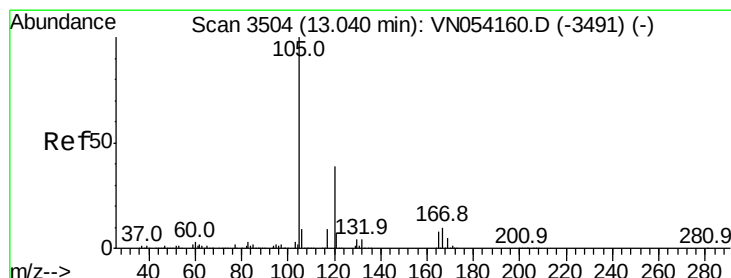
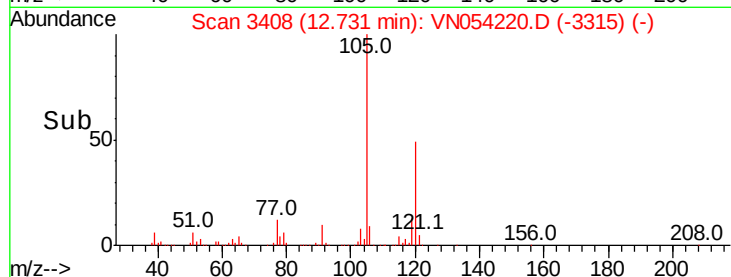
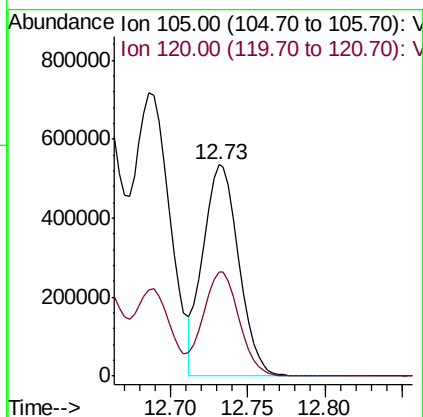
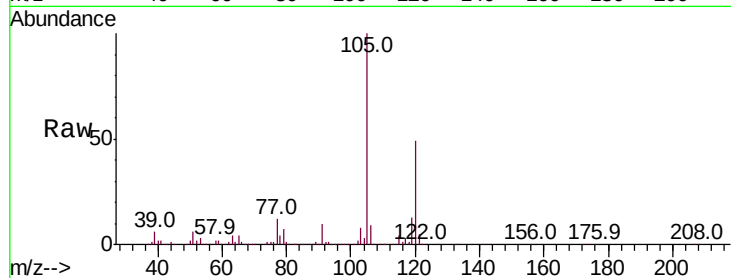
Ion Ratio Lower Upper

105 100

120 50.8 25.0 75.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 51.318 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054220.D

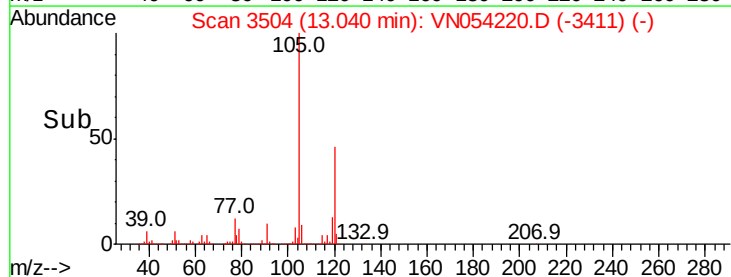
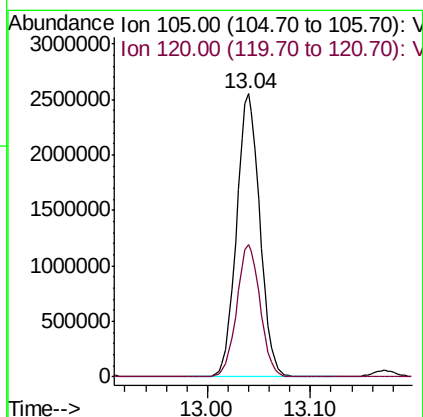
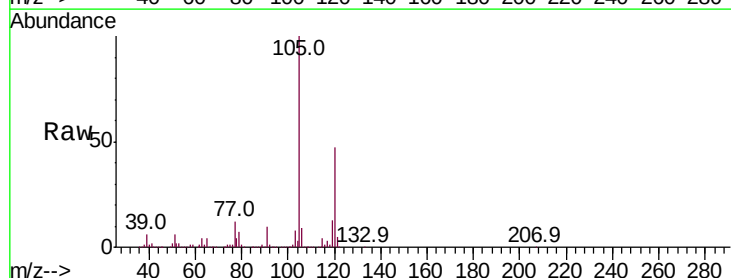
Acq: 13 Mar 2019 18:45

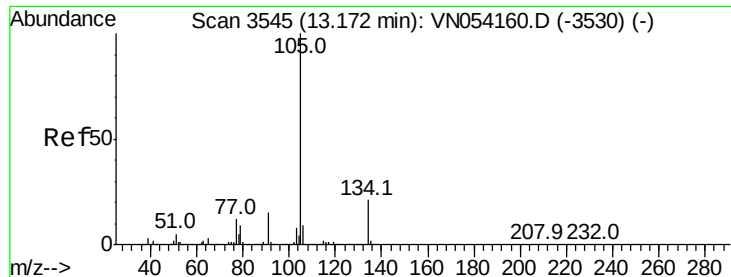
Tgt Ion:105 Resp: 4009140

Ion Ratio Lower Upper

105 100

120 46.7 23.4 70.3





#85

sec-Butylbenzene

Concen: 0.991 ug/l m

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054220.D

Acq: 13 Mar 2019 18:45

Instrument :

MSVOA_N

ClientSampleId :

PR-MW-05_030819

Tot Ion:105 Resp: 94184

Ion Ratio Lower Upper

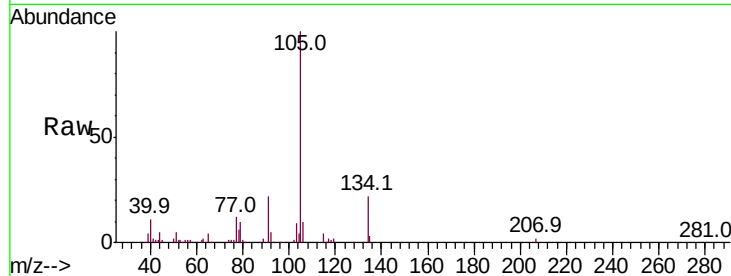
105 100

134 0.0 10.7 32.1#

Manual Integrations
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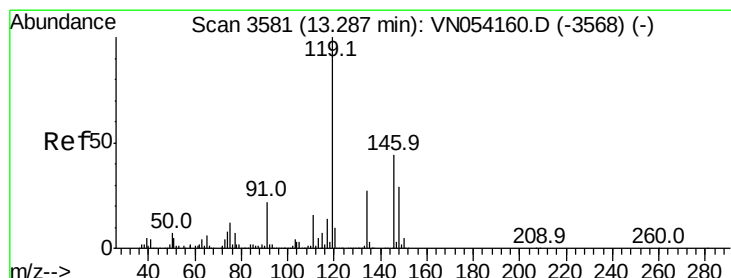
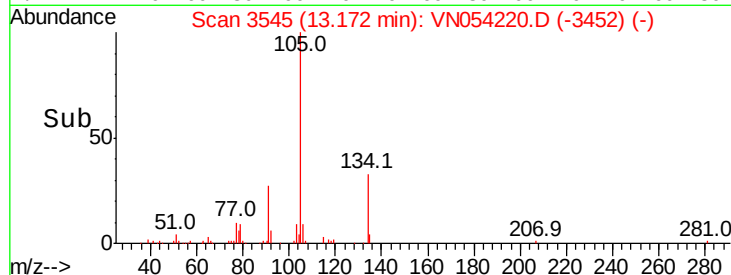
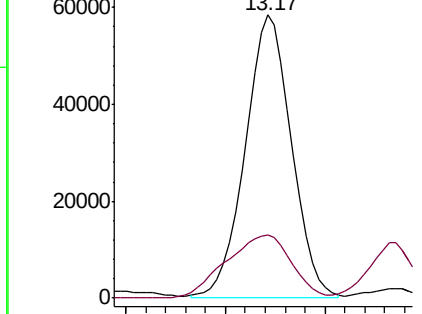
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.404 ug/l m

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054220.D

Acq: 13 Mar 2019 18:45

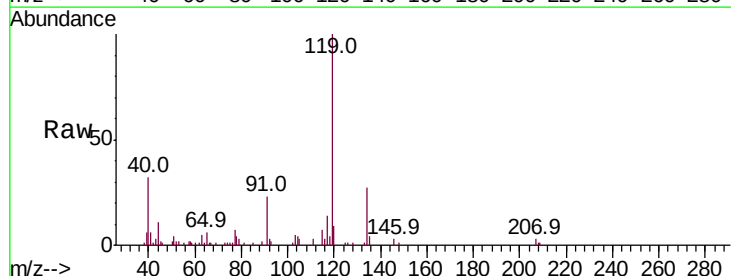
Tgt Ion:119 Resp: 33649

Ion Ratio Lower Upper

119 100

134 52.5 13.6 40.8#

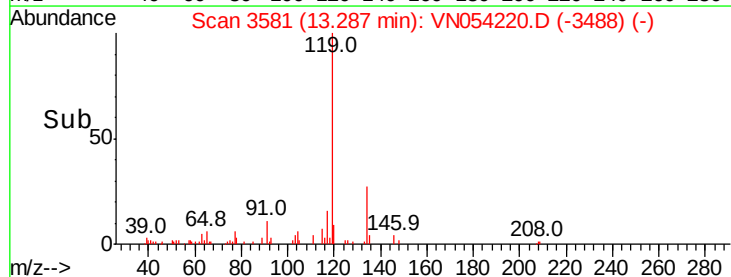
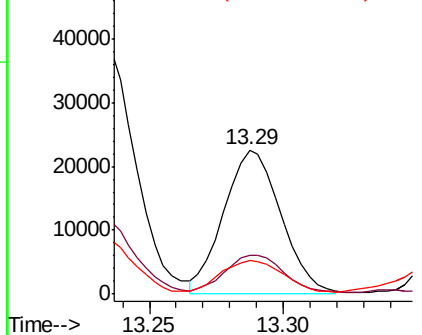
91 37.1 11.1 33.3#

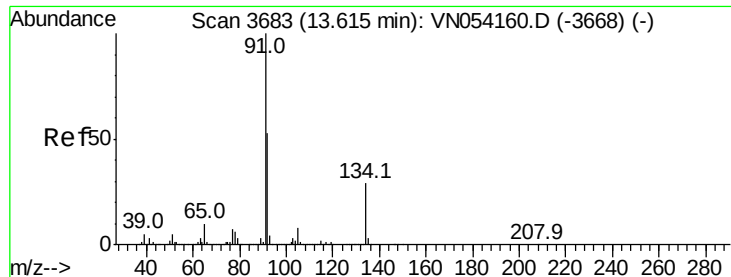


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 0.788 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054220.D

Acq: 13 Mar 2019 18:45

Instrument :

MSVOA_N

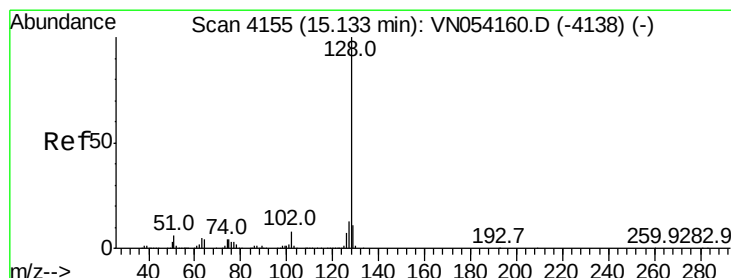
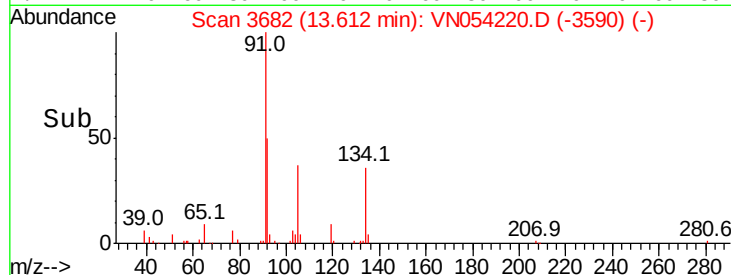
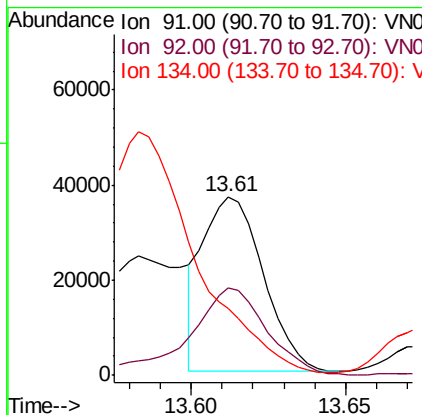
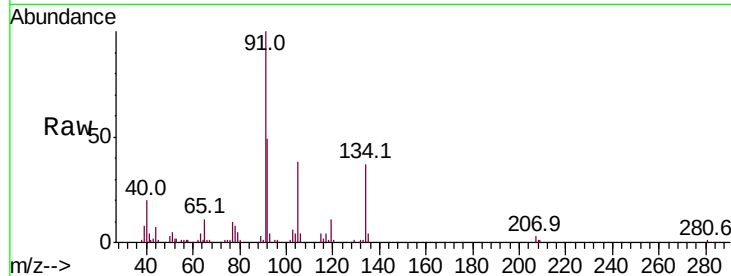
ClientSampleId :

PR-MW-05_030819

Tot Ion:	91	Resp:	49919
Ion Ratio	Lower	Upper	
91	100		
92	63.4	26.2	78.6
134	0.0	14.3	42.9#

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#95

Naphthalene

Concen: 25.630 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054220.D

Acq: 13 Mar 2019 18:45

Tgt Ion:	128	Resp:	1249789
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.1	15.1
129	10.9	8.7	13.1

