

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061319\
 Data File : VN056281.D
 Acq On : 13 Jun 2019 15:07
 Operator : JC/SP
 Sample : K3345-15DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PR-MW-1_061219DL

Manual Integrations
 APPROVED

MMDadoda

6/14/2019 9:37:18 AM

Quant Time: Jun 14 01:49:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	352258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	578566	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	590510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	246795	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	193606	55.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.70%	
35) Dibromofluoromethane	7.59	113	179978	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
50) Toluene-d8	10.09	98	722433	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
62) 4-Bromofluorobenzene	12.40	95	266094	57.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.56%	
Target Compounds						
					Qvalue	
16) Acetone	3.83	43	3216	1.923	ug/l	91
39) Methylcyclohexane	9.08	83	9360	1.510	ug/l	92
52) Toluene	10.16	92	52880	5.624	ug/l	99
67) Ethyl Benzene	11.51	91	1161597	56.842	ug/l	99
68) m/p-Xylenes	11.63	106	723443	92.671	ug/l	100
69) o-Xylene	11.95	106	358568	46.695	ug/l	97
73) Isopropylbenzene	12.25	105	130993	5.282	ug/l	98
78) n-propylbenzene	12.59	91	171579	8.218	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	524084	31.584	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1501884	95.445	ug/l	99
85) sec-Butylbenzene	13.17	105	23051m	1.247	ug/l	
86) p-Isopropyltoluene	13.29	119	19625m	1.186	ug/l	
89) n-Butylbenzene	13.61	91	13014m	1.062	ug/l	
95) Naphthalene	15.13	128	353843	31.518	ug/l	100

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

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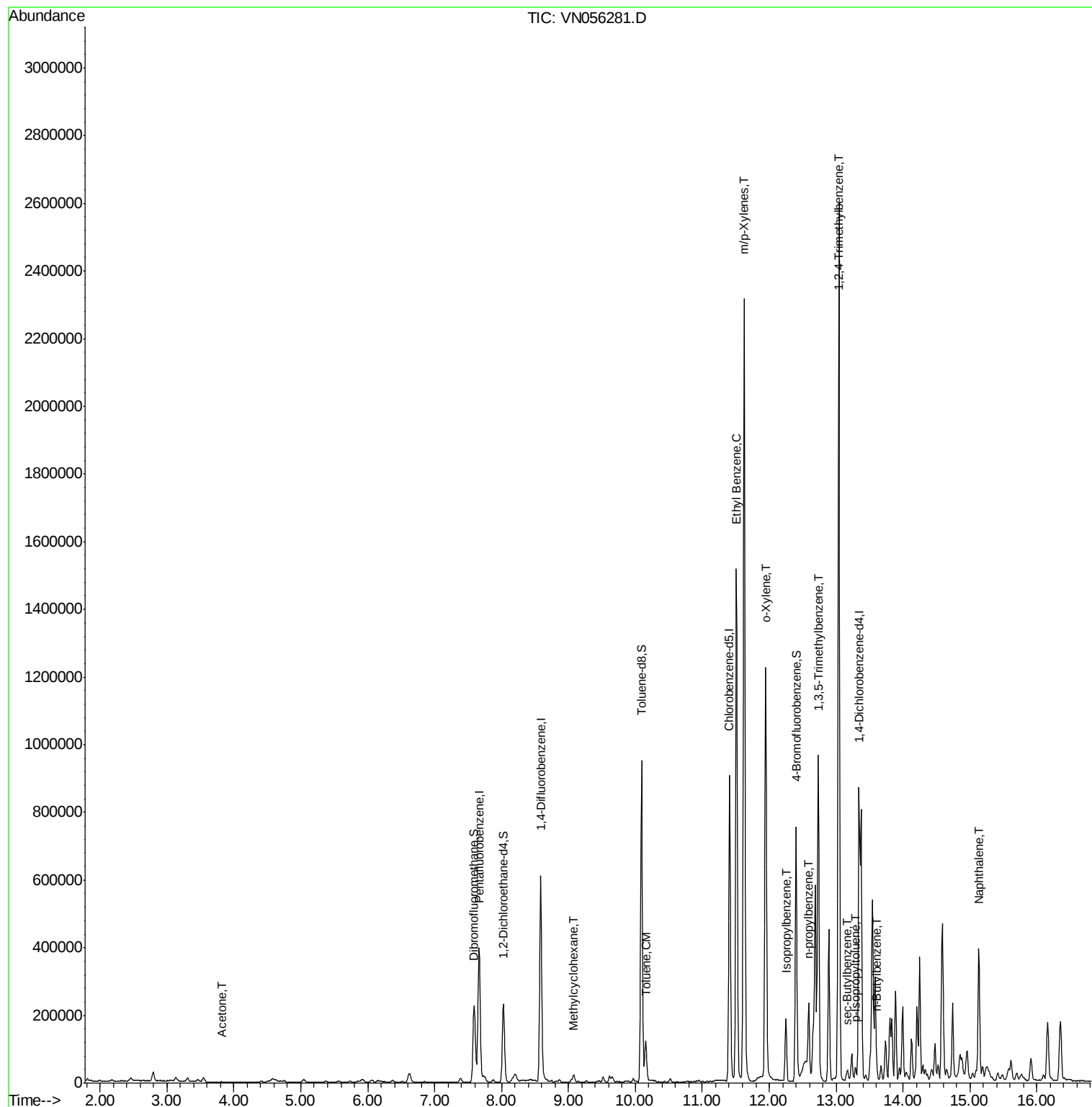
Instrument :
MSVOA_N
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PR-MW-1_061219DL

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056281.D

Acq: 13 Jun 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

PR-MW-1_061219DL

Tot Ion:168 Resp: 352258

Ion Ratio Lower Upper

168 100

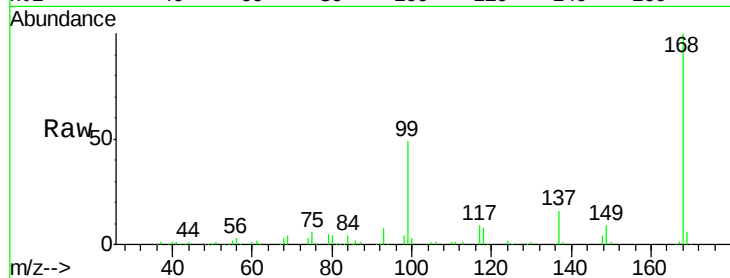
99 48.8 37.2 55.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

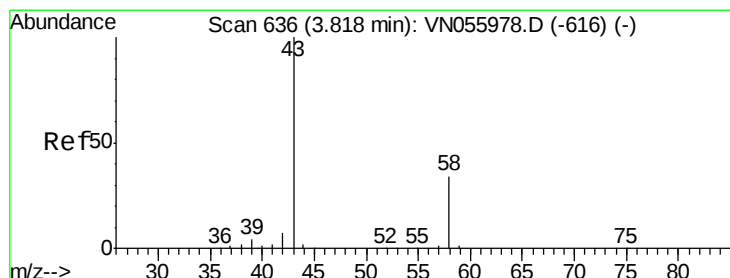
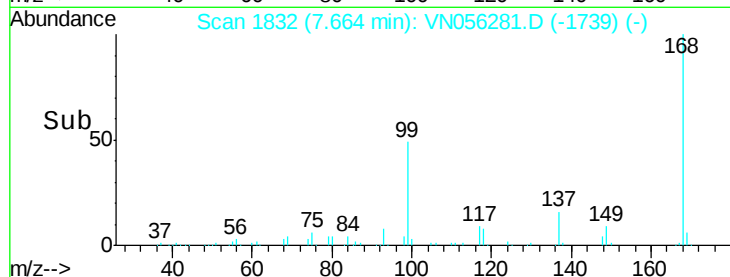
100000

50000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 1.923 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN056281.D

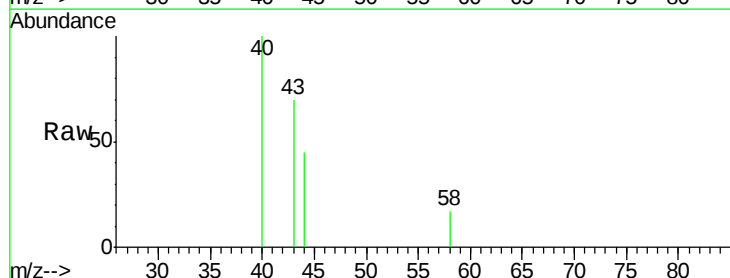
Acq: 13 Jun 2019 15:07

Tgt Ion: 43 Resp: 3216

Ion Ratio Lower Upper

43 100

58 28.0 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.83

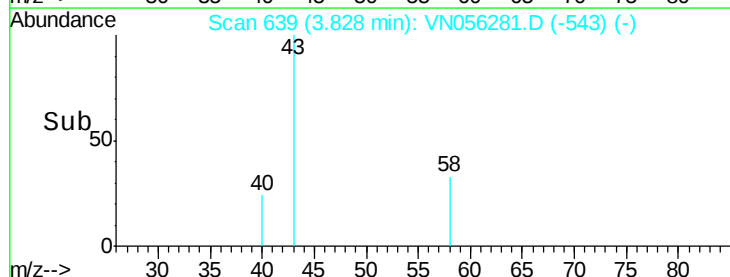
1000

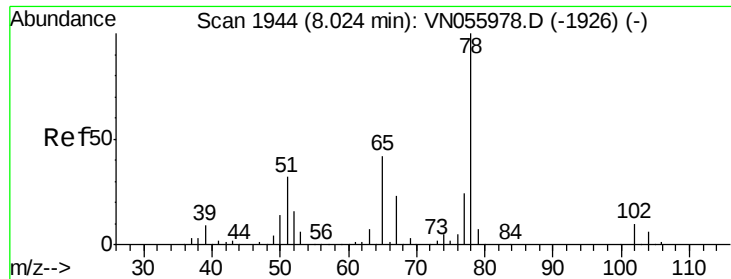
500

0

3.75 3.80 3.85 3.90

Time-->





#33

1,2-Dichloroethane-d4

Concen: 55.354 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056281.D

Acq: 13 Jun 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

PR-MW-1_061219DL

Tot Ion: 65 Resp: 193606

Ion Ratio Lower Upper

65 100

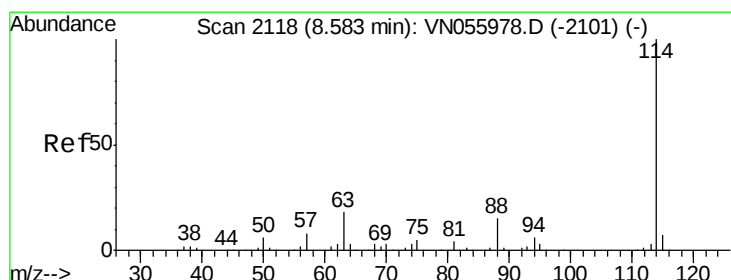
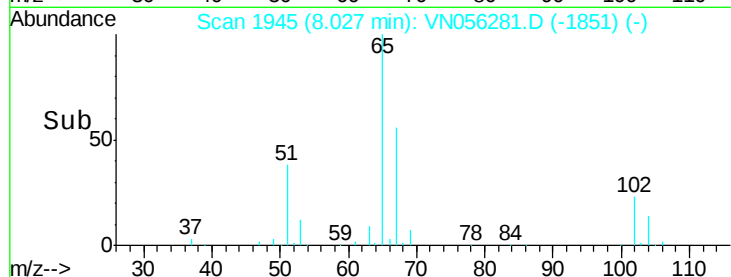
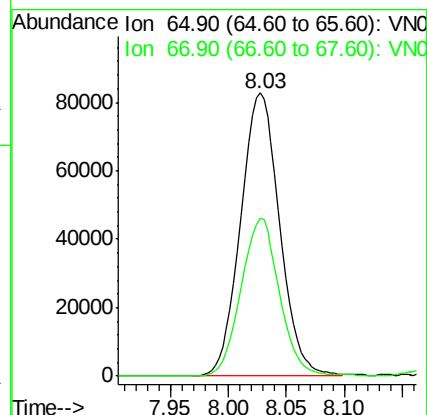
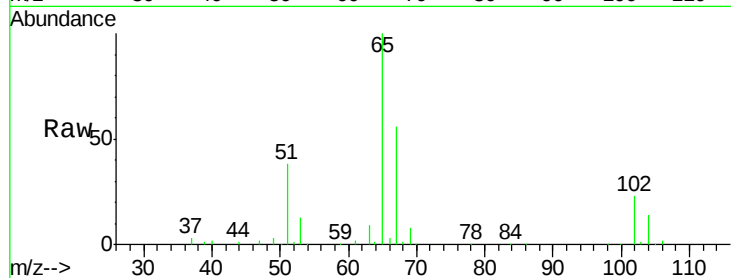
67 55.0 0.0 109.2

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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: VN056281.D

Acq: 13 Jun 2019 15:07

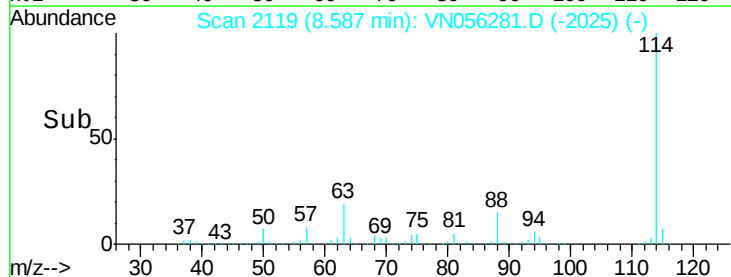
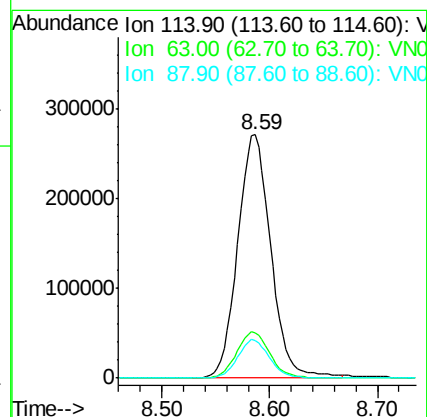
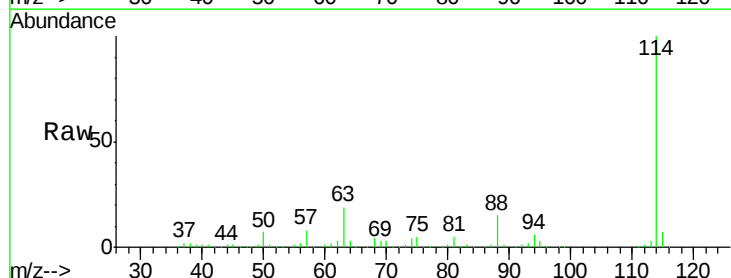
Tgt Ion: 114 Resp: 578566

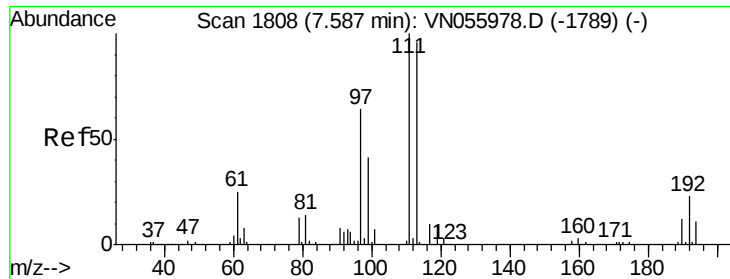
Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.2

88 15.4 0.0 31.0





#35
Dibromofluoromethane
Concen: 50.702 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056281.D
Acq: 13 Jun 2019 15:07

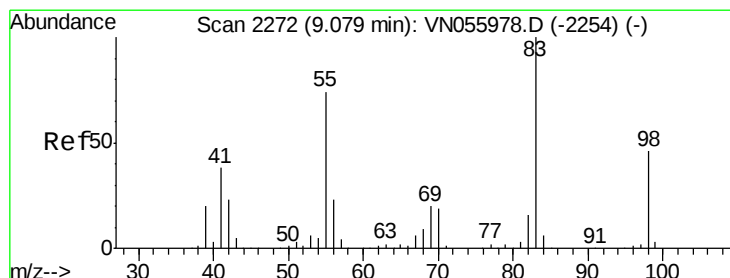
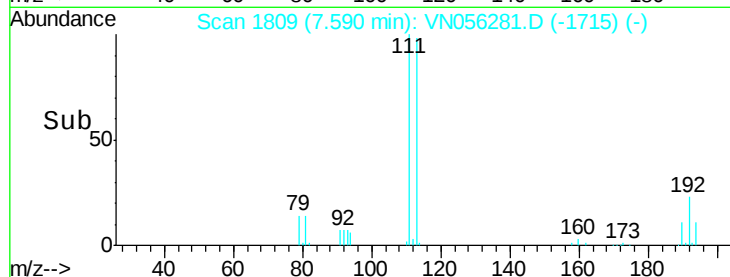
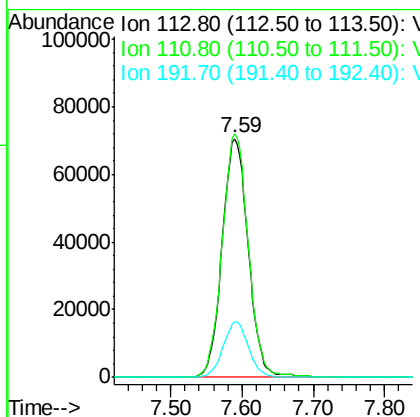
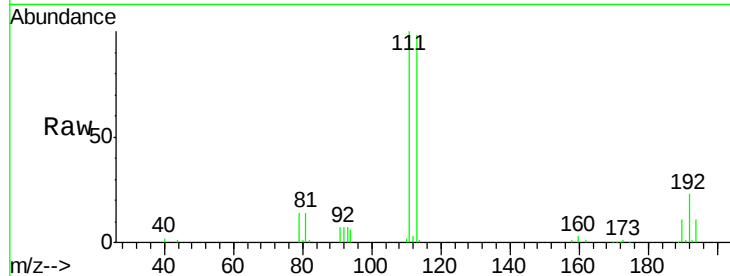
Instrument :
MSVOA_N
ClientSampleId :
PR-MW-1_061219DL

Tot Ion	Ratio	Resp	Lower	Upper
113	100	179978		
111	101.6	81.9	122.9	
192	22.5	19.5	29.3	

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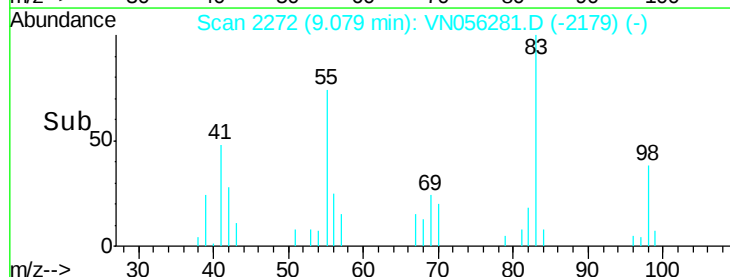
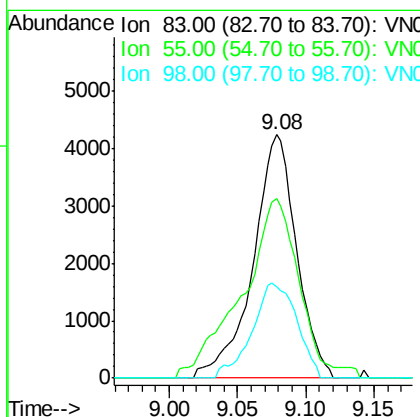
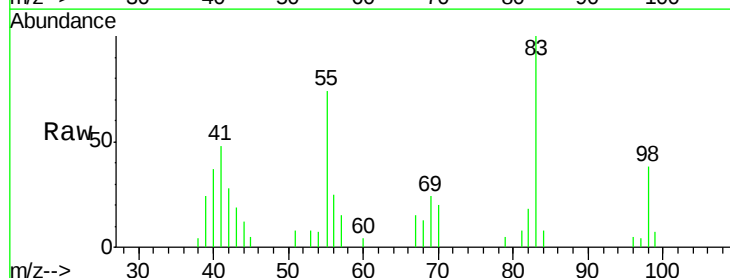
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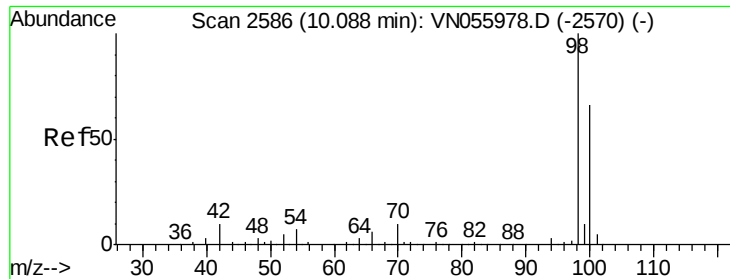
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#39
Methylcyclohexane
Concen: 1.510 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056281.D
Acq: 13 Jun 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	9360		
55	69.2	59.3	88.9	
98	37.6	36.6	54.8	





#50

Toluene-d8

Concen: 52.890 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056281.D

Acq: 13 Jun 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

PR-MW-1_061219DL

Tot Ion: 98 Resp: 722433

Ion Ratio Lower Upper

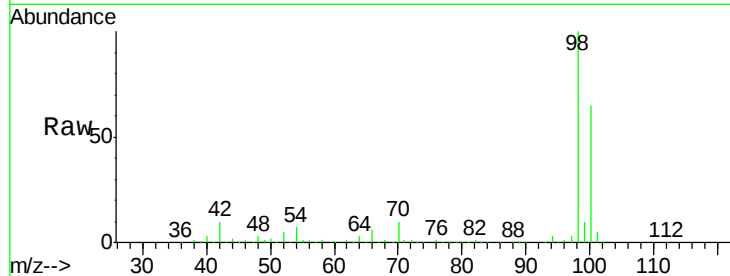
98 100

100 64.6 51.9 77.9

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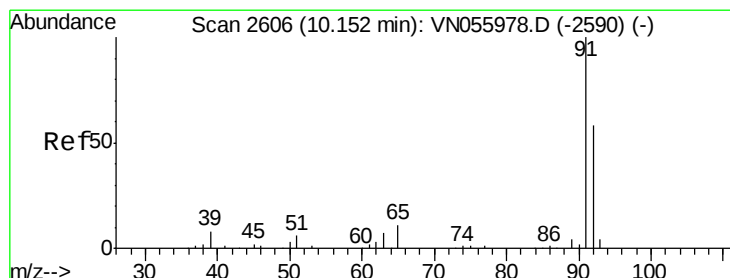
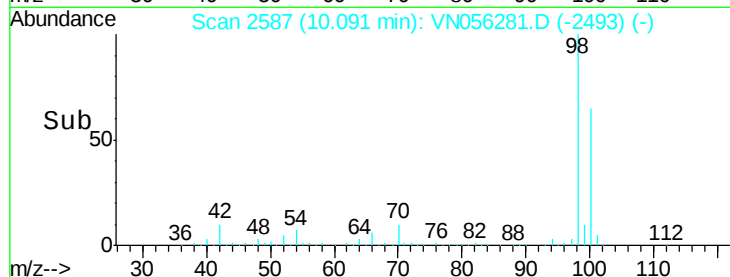
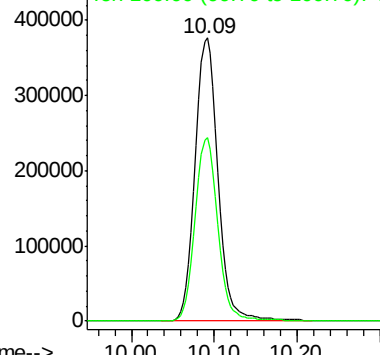
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Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#52

Toluene

Concen: 5.624 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056281.D

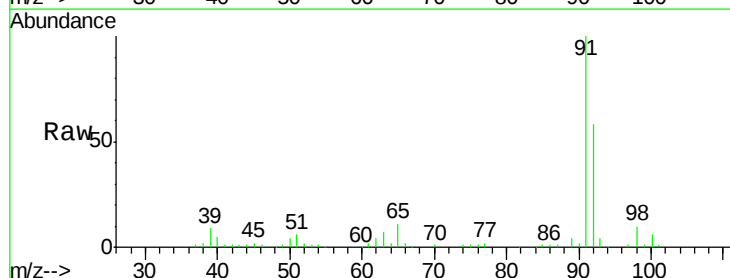
Acq: 13 Jun 2019 15:07

Tgt Ion: 92 Resp: 52880

Ion Ratio Lower Upper

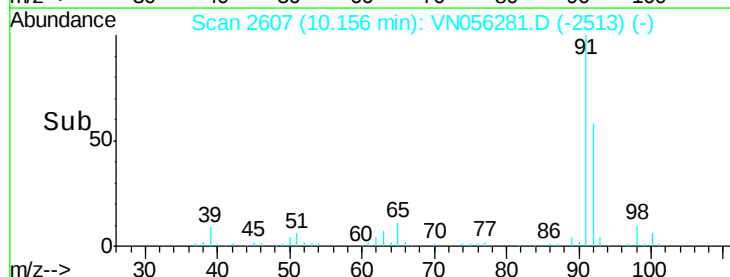
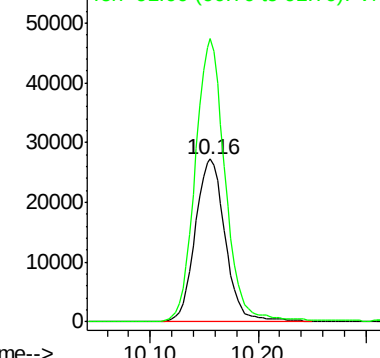
92 100

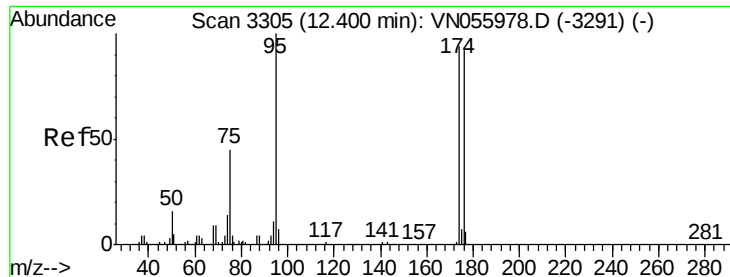
91 173.0 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#62

4-Bromofluorobenzene

Concen: 57.284 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056281.D

Acq: 13 Jun 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

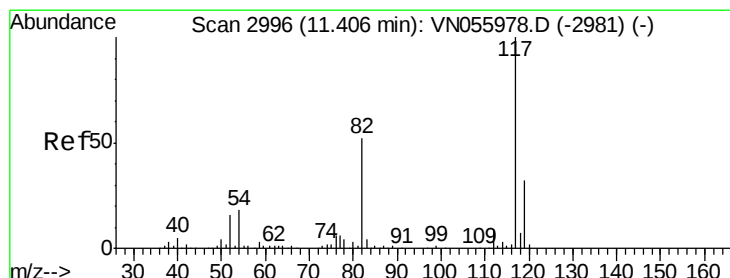
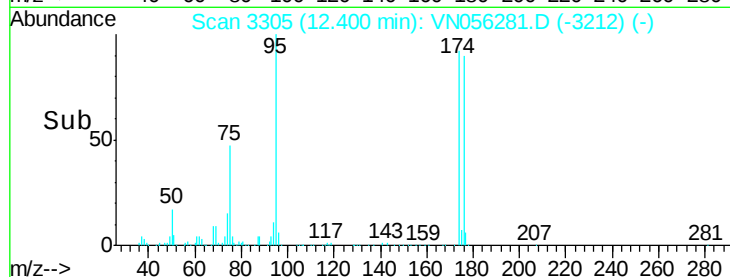
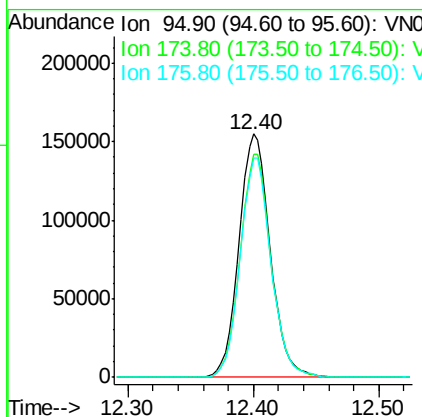
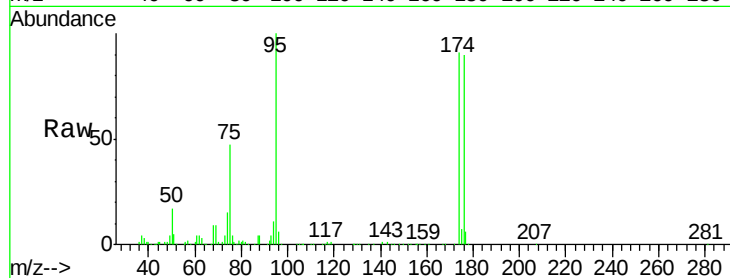
PR-MW-1_061219DL

Tot Ion:	95	Resp:	266094
Ion Ratio	Lower	Upper	
95	100		
174	91.0	0.0	191.0
176	89.8	0.0	185.2

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

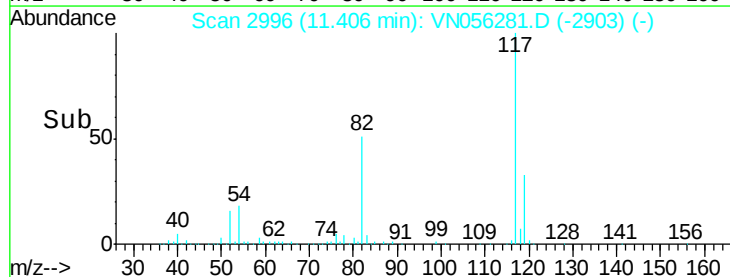
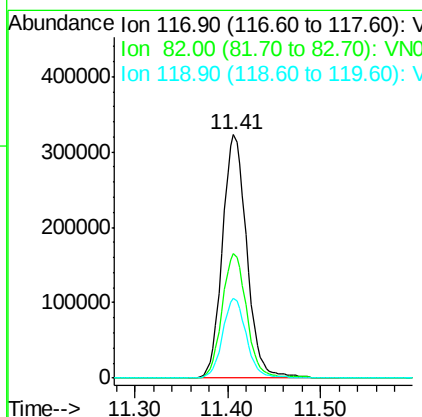
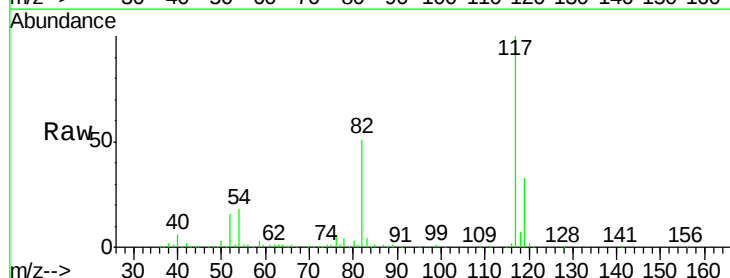
RT: 11.41 min Scan# 2996

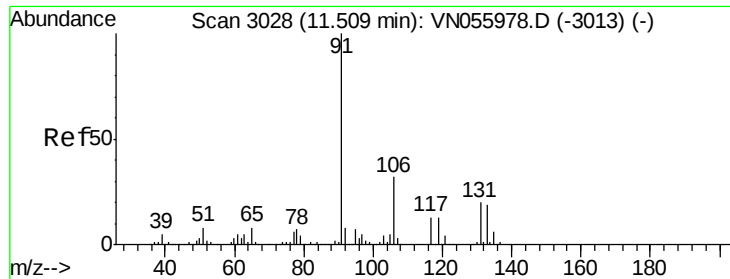
Delta R.T. 0.00 min

Lab File: VN056281.D

Acq: 13 Jun 2019 15:07

Tgt Ion:	117	Resp:	590510
Ion Ratio	Lower	Upper	
117	100		
82	51.0	41.8	62.8
119	32.8	25.4	38.0





#67
Ethyl Benzene
Concen: 56.842 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056281.D
Acq: 13 Jun 2019 15:07

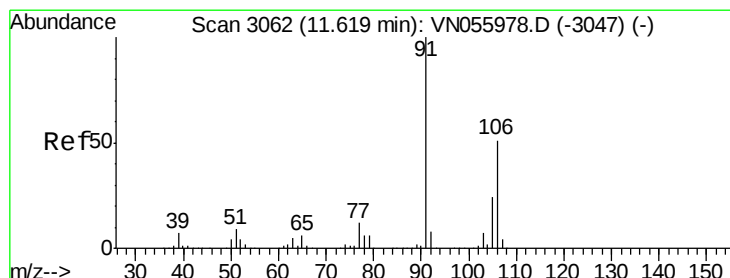
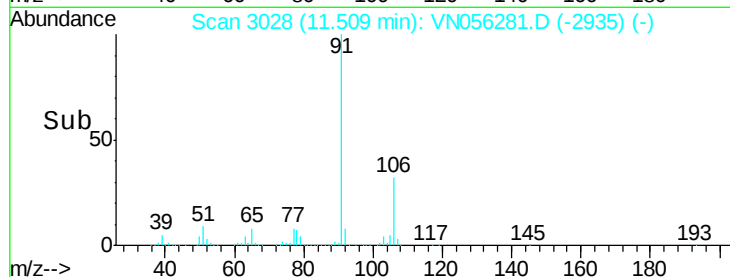
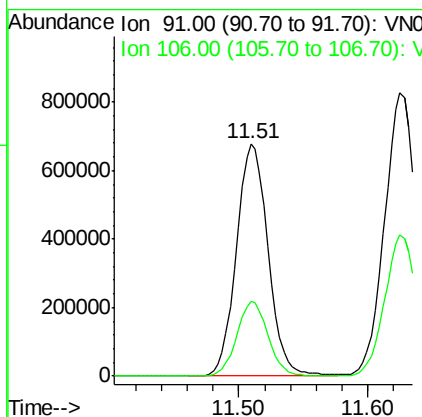
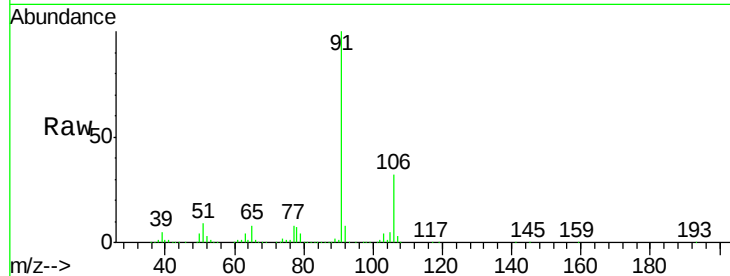
Instrument :
MSVOA_N
ClientSampleId :
PR-MW-1_061219DL

Tot Ion: 91 Resp: 1161597
Ion Ratio Lower Upper
91 100
106 31.9 25.1 37.7

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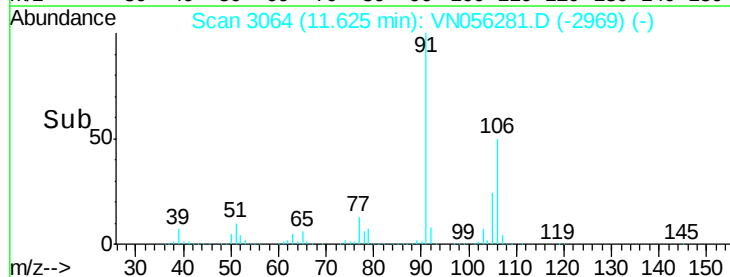
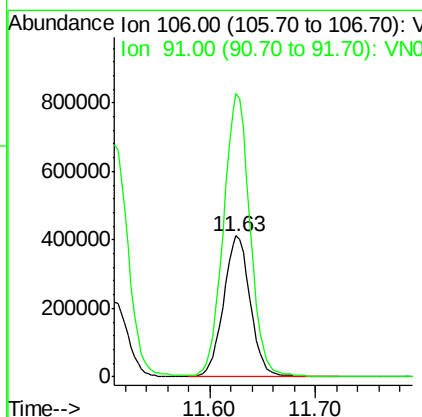
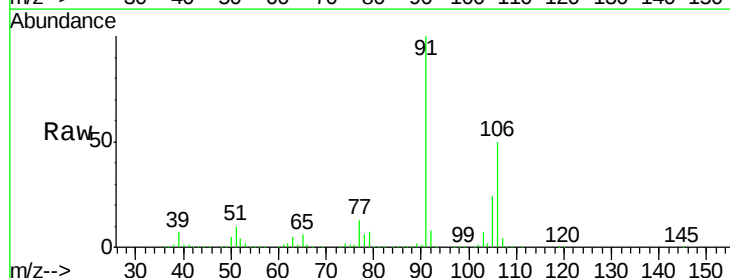
MMDadoda

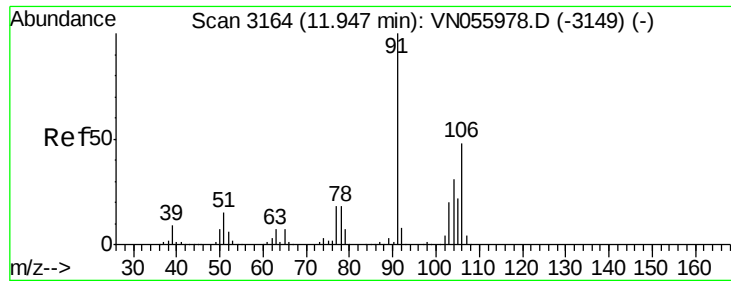
6/14/2019 9:37:18 AM



#68
m/p-Xylenes
Concen: 92.671 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.01 min
Lab File: VN056281.D
Acq: 13 Jun 2019 15:07

Tgt Ion: 106 Resp: 723443
Ion Ratio Lower Upper
106 100
91 199.9 159.3 238.9





#69
o-Xylene
Concen: 46.695 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056281.D
Acq: 13 Jun 2019 15:07

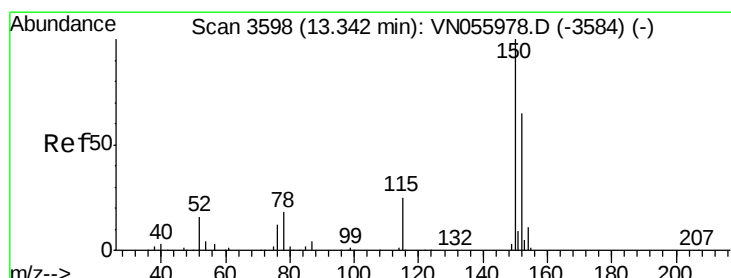
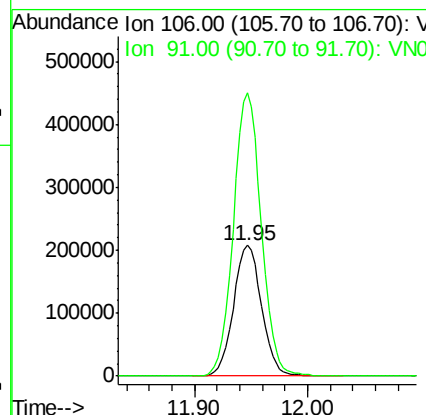
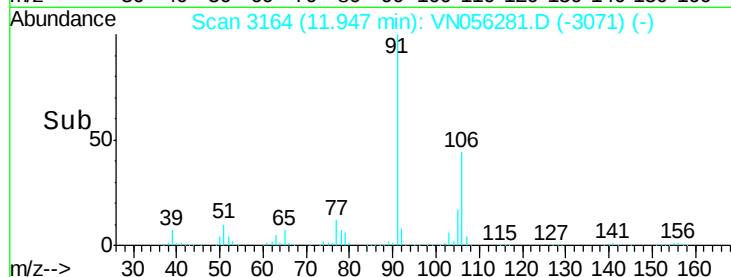
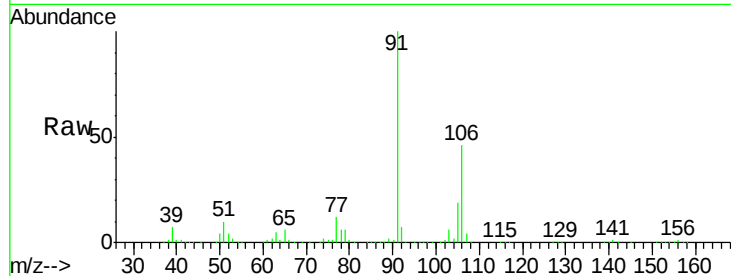
Instrument :
MSVOA_N
ClientSampleID :
PR-MW-1_061219DL

Tot Ion:106 Resp: 358568
Ion Ratio Lower Upper
106 100
91 214.1 104.7 314.1

Manual Integrations
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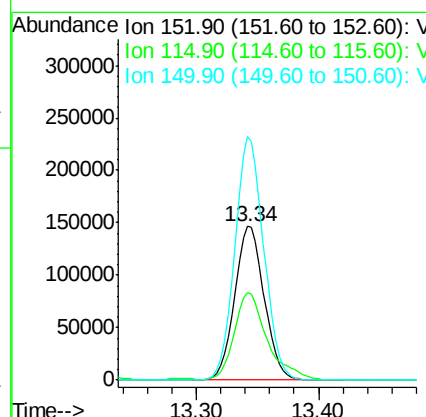
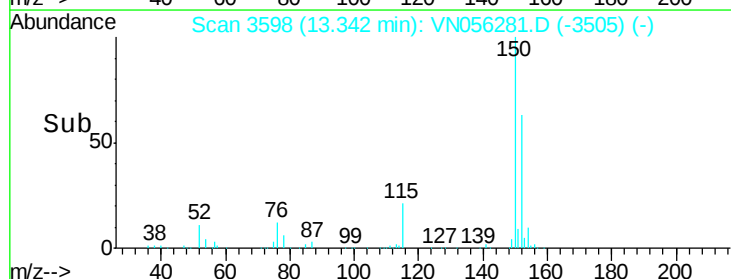
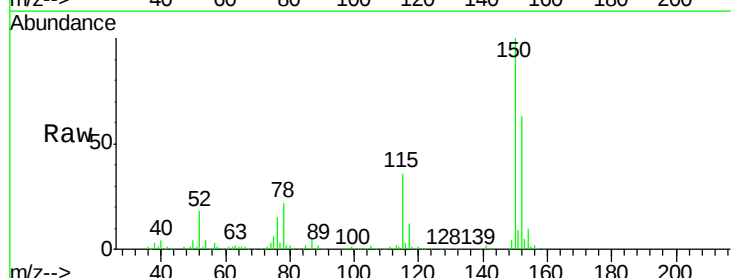
MMDadoda

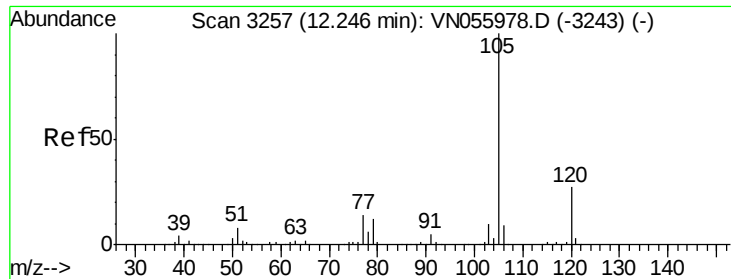
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056281.D
Acq: 13 Jun 2019 15:07

Tgt Ion:152 Resp: 246795
Ion Ratio Lower Upper
152 100
115 62.8 27.0 81.0
150 154.9 0.0 343.2





#73

Isopropylbenzene

Concen: 5.282 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056281.D

Acq: 13 Jun 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

PR-MW-1_061219DL

Tot Ion: 105 Resp: 130993

Ion Ratio Lower Upper

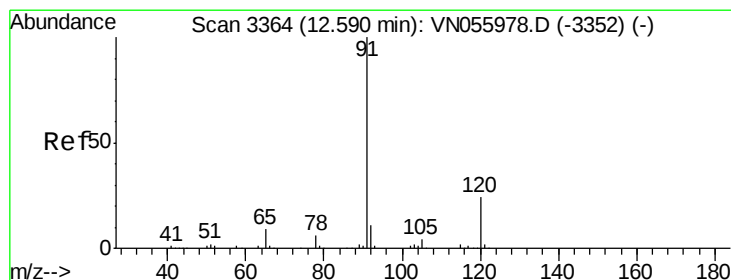
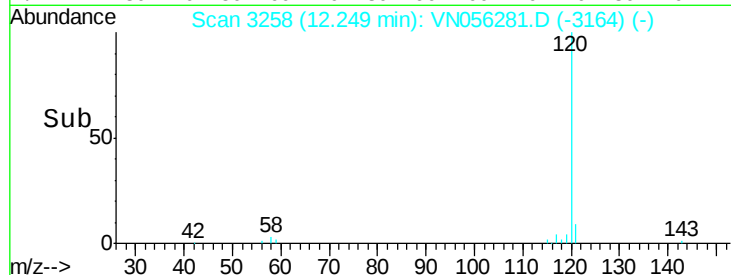
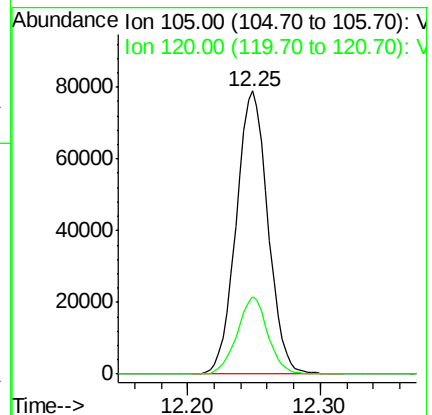
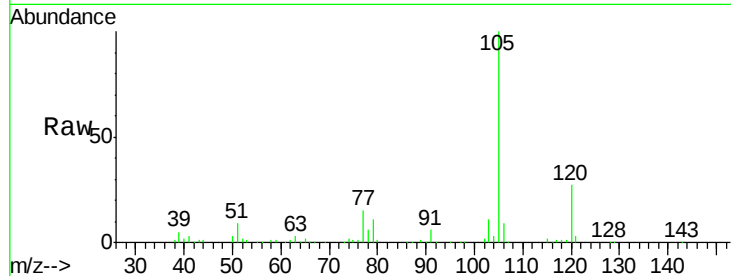
105 100

120 26.3 13.6 40.7

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#78

n-propylbenzene

Concen: 8.218 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056281.D

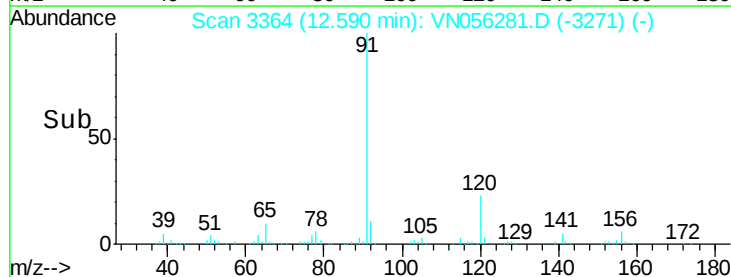
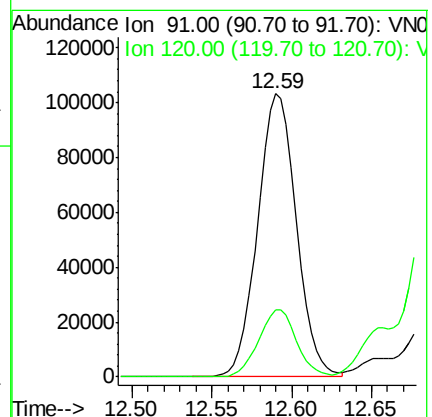
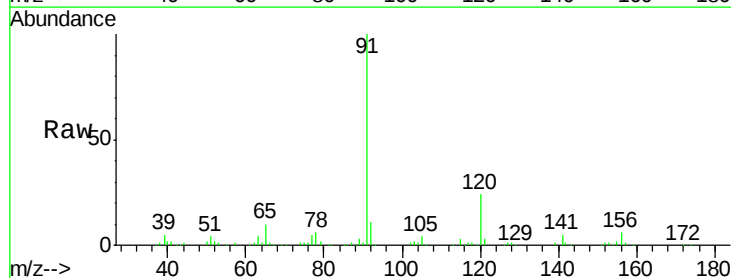
Acq: 13 Jun 2019 15:07

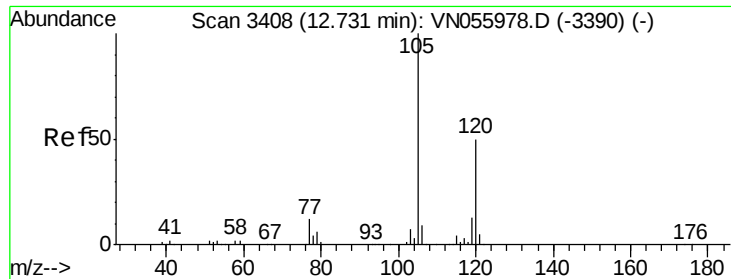
Tgt Ion: 91 Resp: 171579

Ion Ratio Lower Upper

91 100

120 23.4 12.0 36.0





#80
 1,3,5-Trimethylbenzene
 Concen: 31.584 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056281.D
 Acq: 13 Jun 2019 15:07

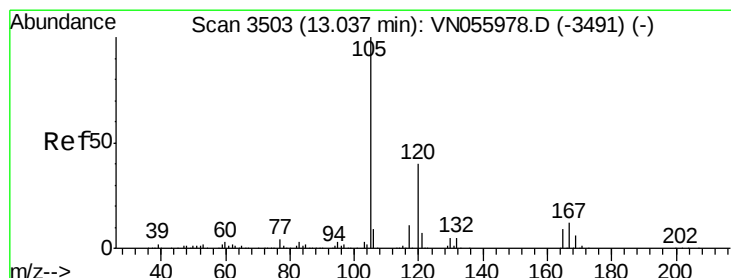
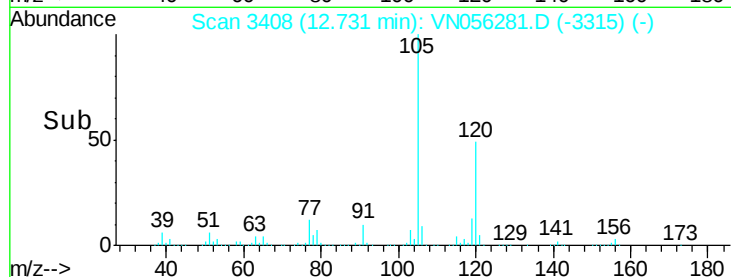
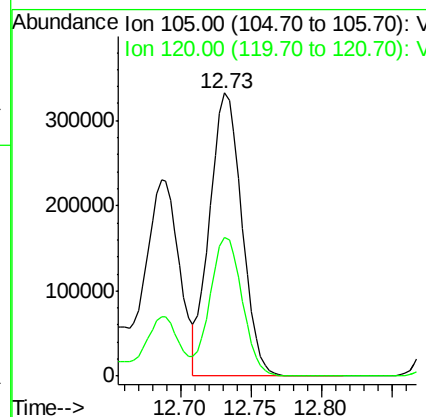
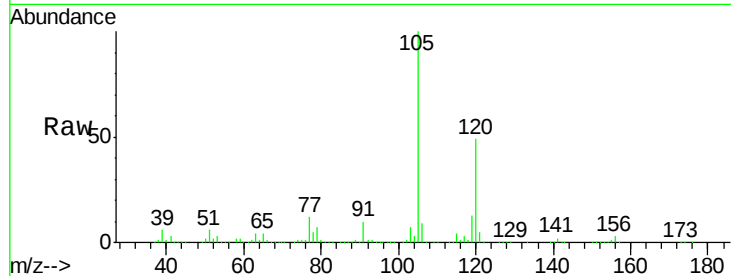
Instrument :
 MSVOA_N
 ClientSampleID :
 PR-MW-1_061219DL

Tot Ion:105 Resp: 524084
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.7 74.1

Manual Integrations
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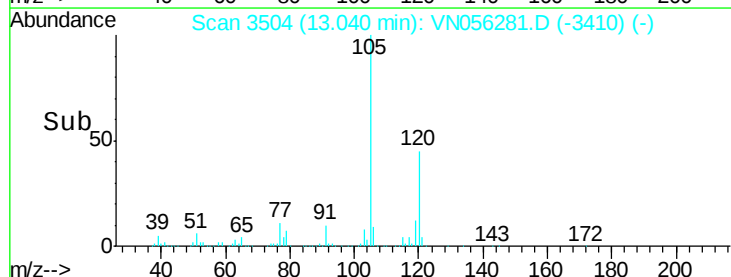
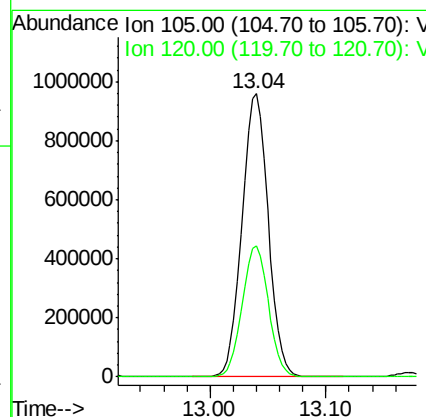
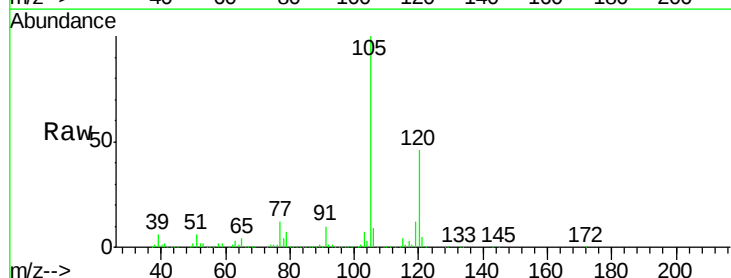
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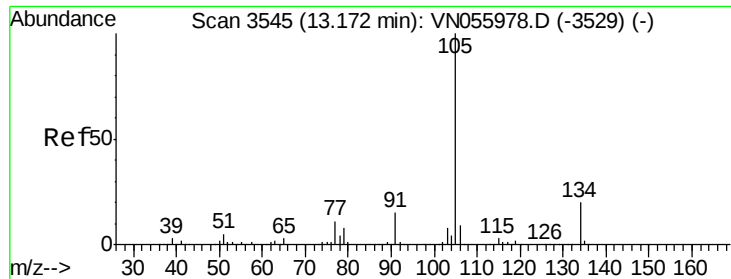
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#84
 1,2,4-Trimethylbenzene
 Concen: 95.445 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056281.D
 Acq: 13 Jun 2019 15:07

Tgt Ion:105 Resp: 1501884
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.0 69.0





#85

sec-Butylbenzene

Concen: 1.247 ug/l m

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056281.D

Acq: 13 Jun 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

PR-MW-1_061219DL

Tot Ion:105 Resp: 23051

Ion Ratio Lower Upper

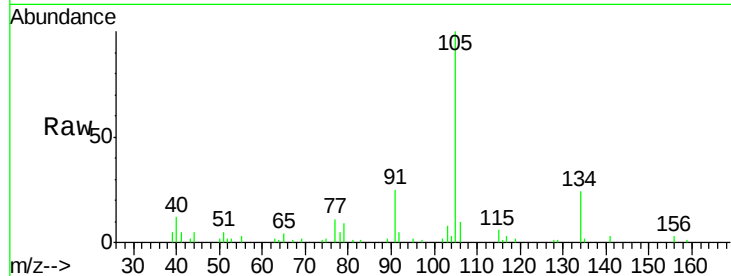
105 100

134 0.0 10.4 31.2#

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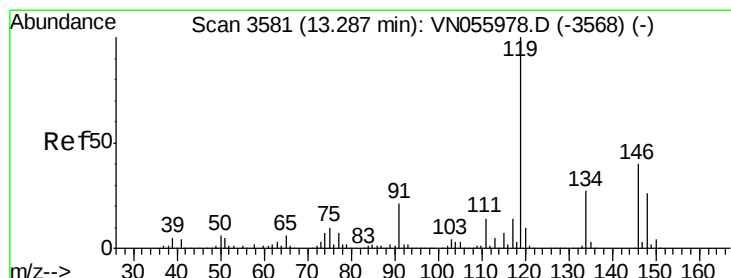
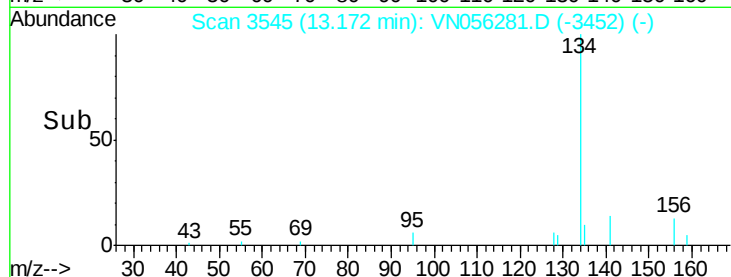
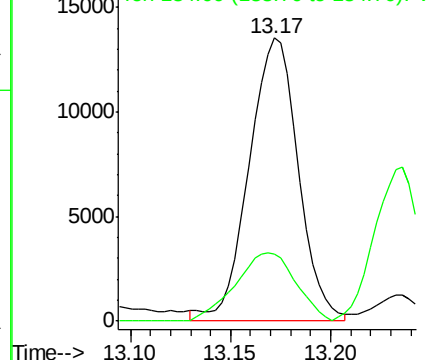
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.186 ug/l m

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN056281.D

Acq: 13 Jun 2019 15:07

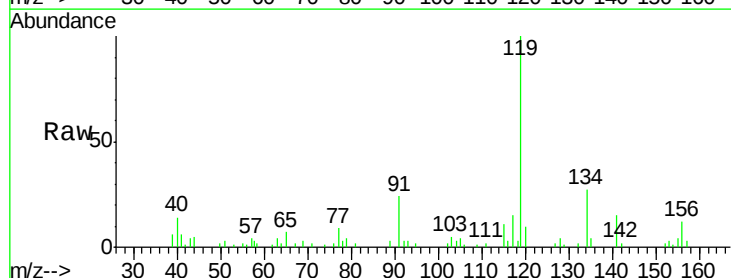
Tgt Ion:119 Resp: 19625

Ion Ratio Lower Upper

119 100

134 59.4 13.4 40.1#

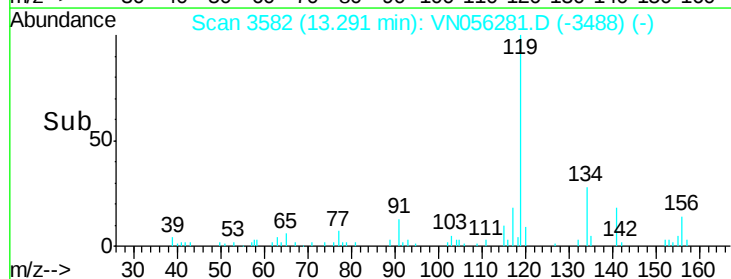
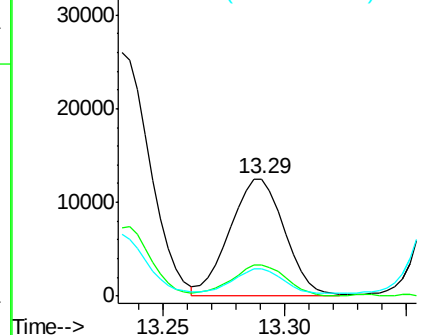
91 46.5 10.9 32.9#

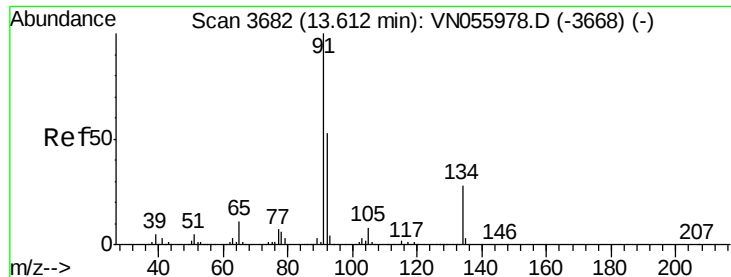


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 1.062 ug/l m

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056281.D

Acq: 13 Jun 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

PR-MW-1_061219DL

Tot Ion: 91 Resp: 13014

Ion Ratio Lower Upper

91 100

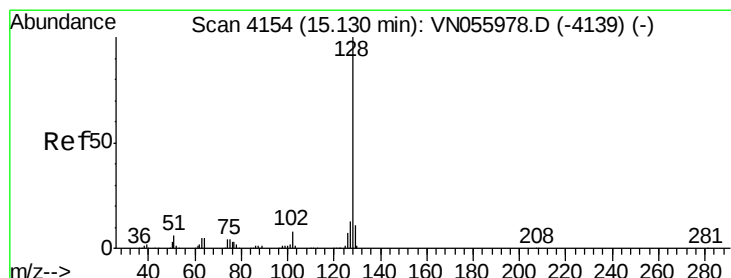
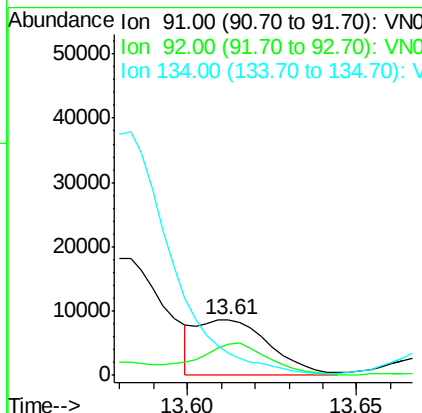
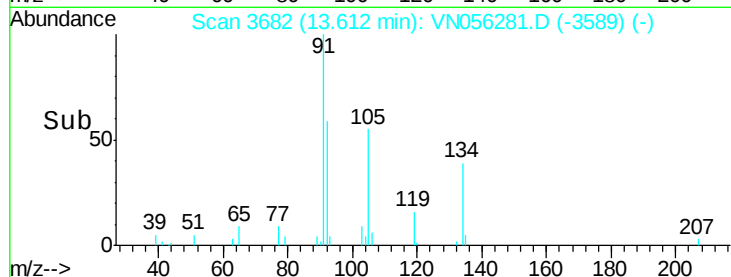
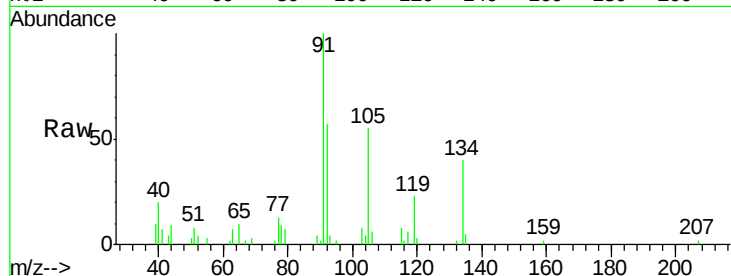
92 20.1 26.4 79.0#

134 496.9 13.9 41.7#

Manual Integrations
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#95

Naphthalene

Concen: 31.518 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056281.D

Acq: 13 Jun 2019 15:07

Tgt Ion: 128 Resp: 353843

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 10.9 8.7 13.1

