

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
 Data File : VN054291.D
 Acq On : 15 Mar 2019 5:28
 Operator : JC/SP
 Sample : K1902-18
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30312-13-14-15-17

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 10:14:54 AM

Quant Time: Mar 15 07:41:08 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	1269661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2126687	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2268619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1002905	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	680460	50.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.92%	
35) Dibromofluoromethane	7.59	113	652528	47.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.14%	
50) Toluene-d8	10.09	98	2666742	52.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.28%	
62) 4-Bromofluorobenzene	12.40	95	1039864	58.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.34%	
Target Compounds						
16) Acetone	3.82	43	161827	41.916	ug/l	99
25) 2-Butanone	6.85	43	740742	163.472	ug/l	99
40) Benzene	8.04	78	19009	0.339	ug/l	93
52) Toluene	10.15	92	24023301m	676.029	ug/l	
67) Ethyl Benzene	11.51	91	135964	1.647	ug/l	99
68) m/p-Xylenes	11.62	106	220759	6.840	ug/l	98
69) o-Xylene	11.95	106	153665	4.884	ug/l	98
73) Isopropylbenzene	12.25	105	52921	0.660	ug/l	98
78) n-propylbenzene	12.59	91	115211	1.323	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	266065	3.986	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1098452	16.776	ug/l	100
85) sec-Butylbenzene	13.17	105	34731	0.436	ug/l	86
86) p-Isopropyltoluene	13.29	119	34956	0.500	ug/l	97
95) Naphthalene	15.13	128	137155	6.371	ug/l	98

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

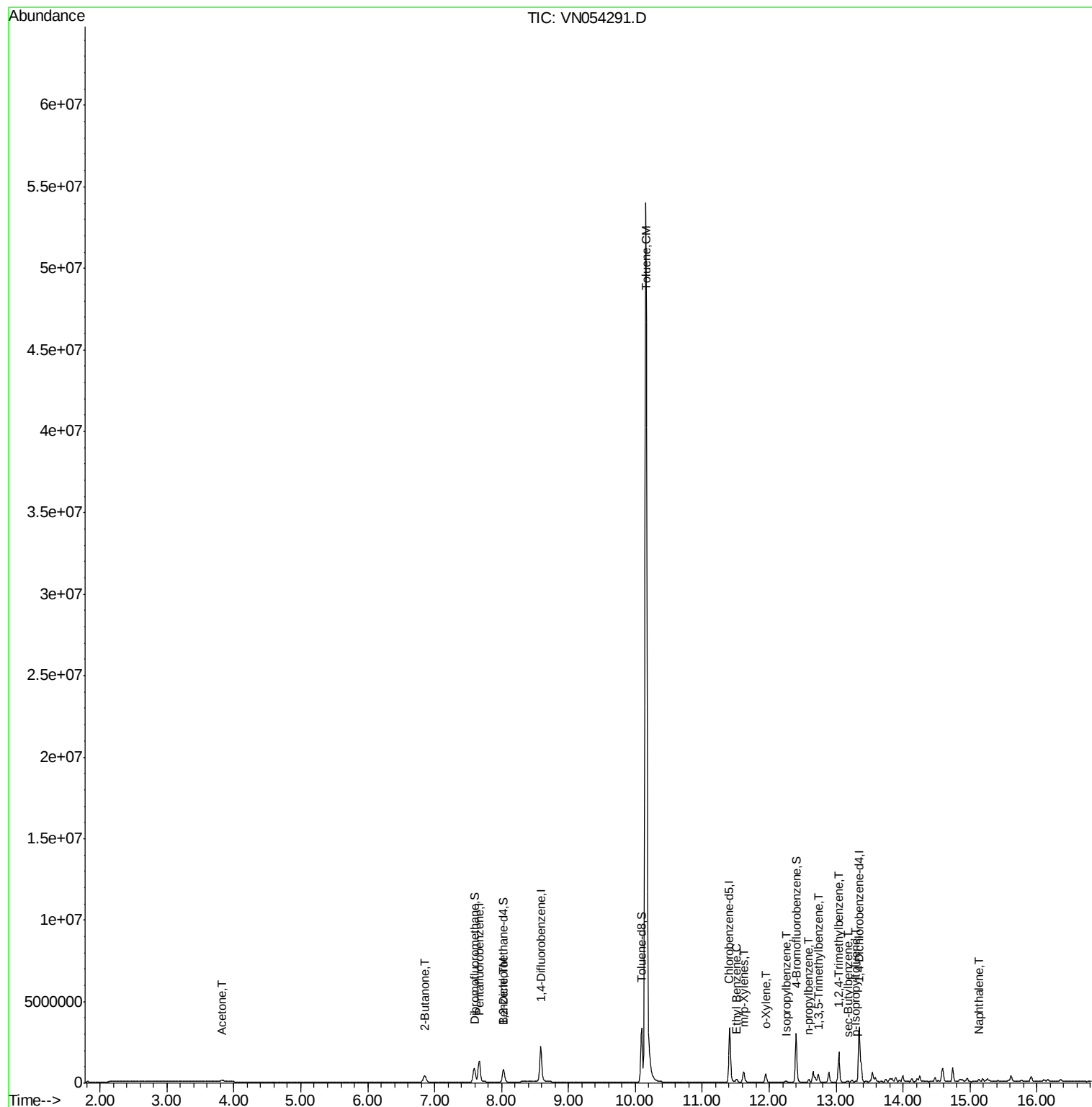
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054291.D
Acq On : 15 Mar 2019 5:28
Operator : JC/SP
Sample : K1902-18
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 42 Sample Multiplier: 1

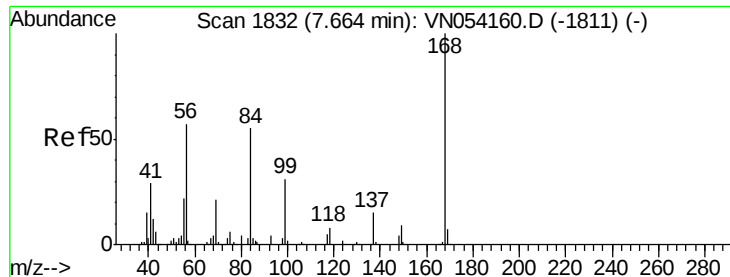
Instrument :
MSVOA_N
ClientSampleId :
30312-13-14-15-17

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Quant Time: Mar 15 07:41:08 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: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054291.D

Acq: 15 Mar 2019 5:28

Instrument :

MSVOA_N

ClientSampleId :

30312-13-14-15-17

Tgt Ion:168 Resp: 1269661

Ion Ratio Lower Upper

168 100

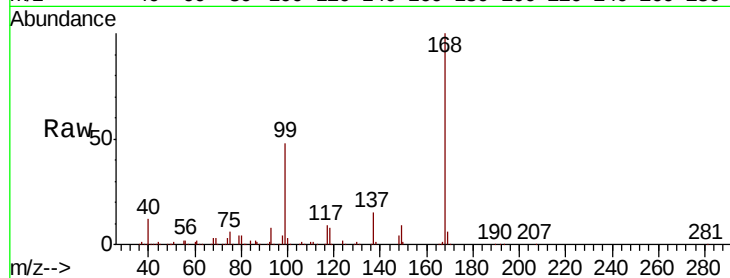
99 48.3 37.1 55.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

500000

400000

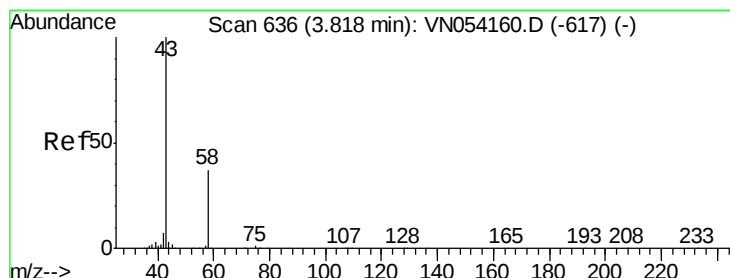
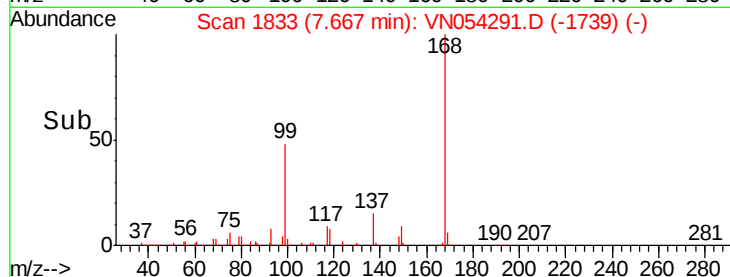
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 41.916 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054291.D

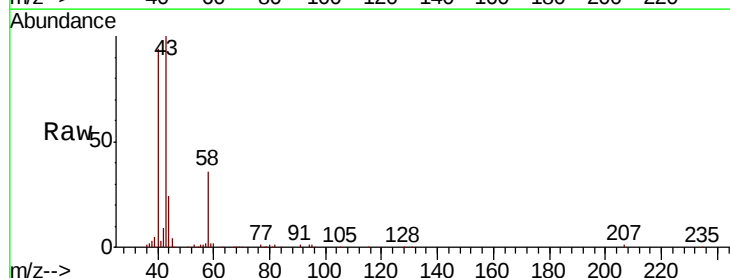
Acq: 15 Mar 2019 5:28

Tgt Ion: 43 Resp: 161827

Ion Ratio Lower Upper

43 100

58 37.8 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

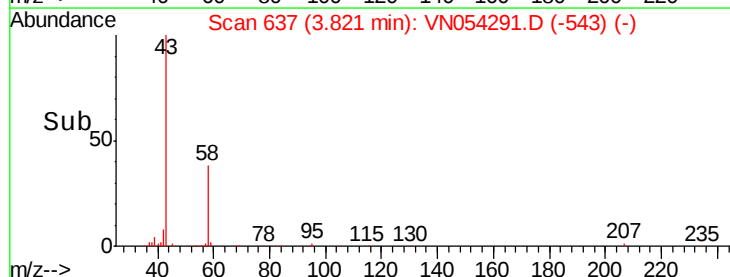
60000

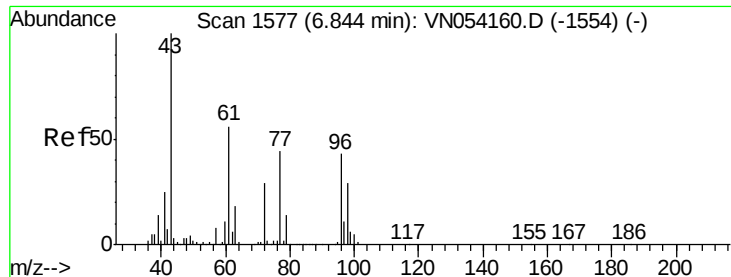
40000

20000

0

Time-->





#25

2-Butanone

Concen: 163.472 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.01 min

Lab File: VN054291.D

Acq: 15 Mar 2019 5:28

Instrument :

MSVOA_N

ClientSampleId :

30312-13-14-15-17

Tgt Ion: 43 Resp: 740742

Ion Ratio Lower Upper

43 100

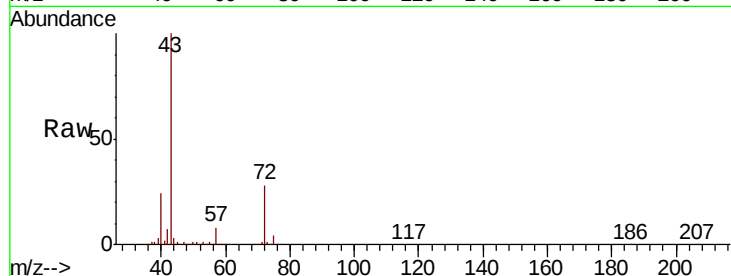
72 28.1 23.0 34.6

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Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-1554) (-)

Ion 72.00 (71.70 to 72.70): VN054160.D (-1554) (-)

250000

200000

150000

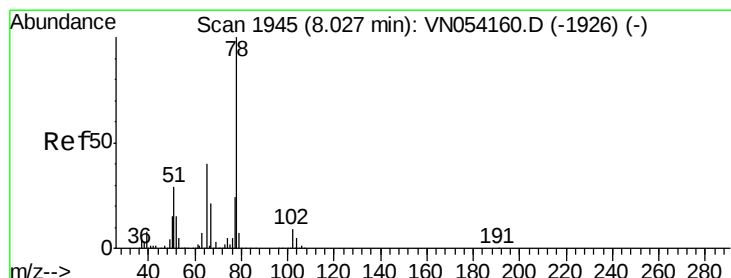
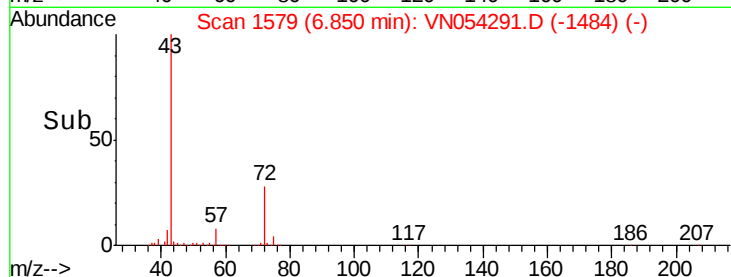
100000

50000

0

6.70 6.80 6.90 7.00

Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.465 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054291.D

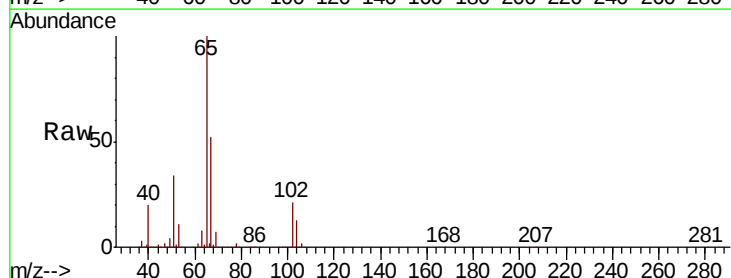
Acq: 15 Mar 2019 5:28

Tgt Ion: 65 Resp: 680460

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054160.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN054160.D (-1926) (-)

300000

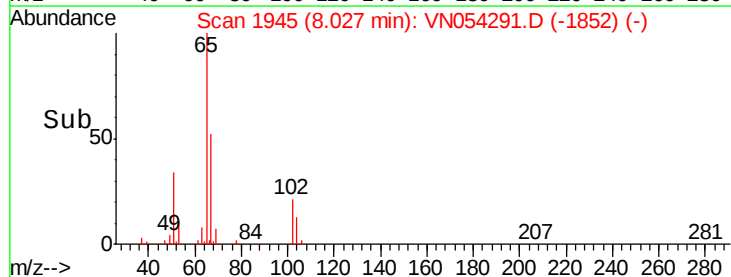
200000

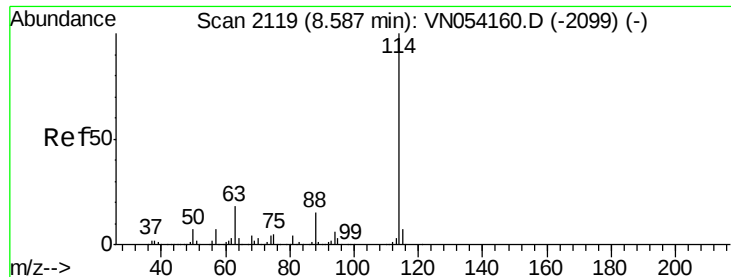
100000

0

7.90 8.00 8.10 8.20

Time-->





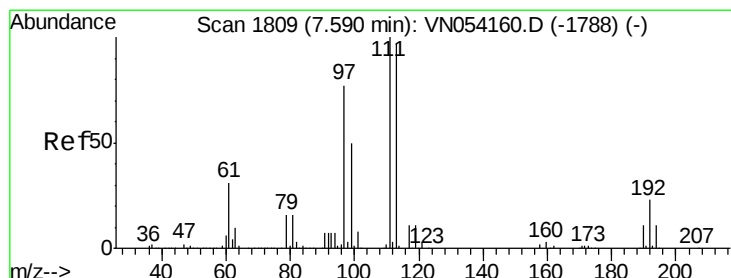
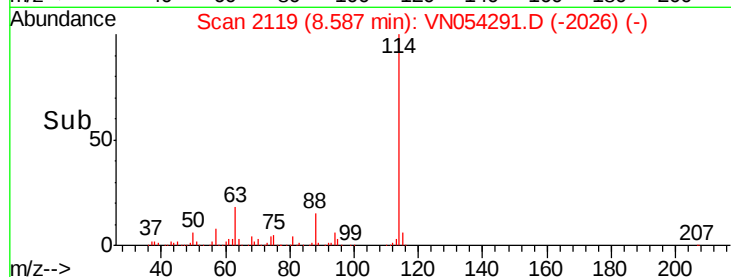
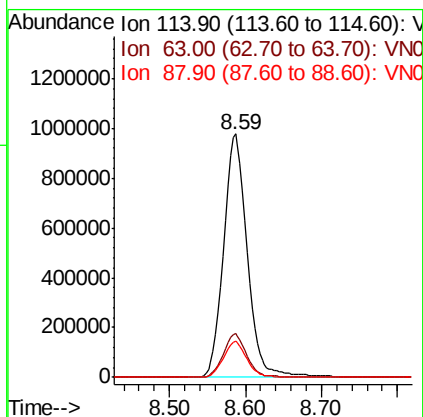
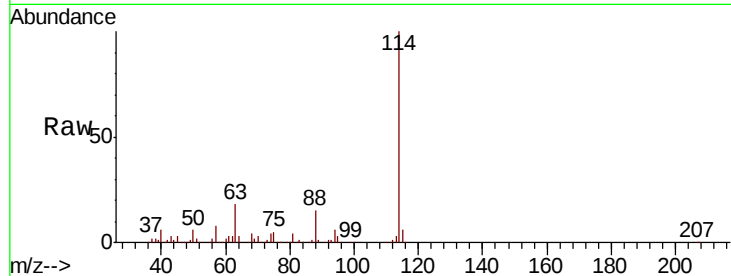
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN054291.D
Acq: 15 Mar 2019 5:28

Instrument :
MSVOA_N
ClientSampleId :
30312-13-14-15-17

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	35.2
88	14.7	0.0	30.2

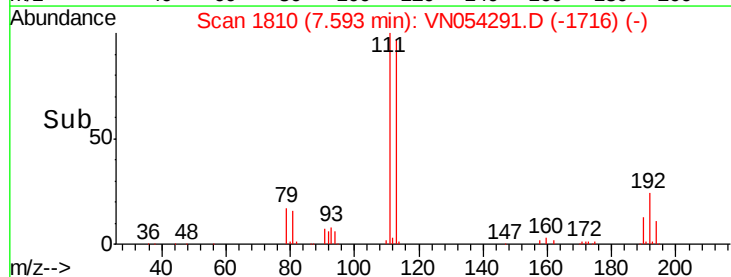
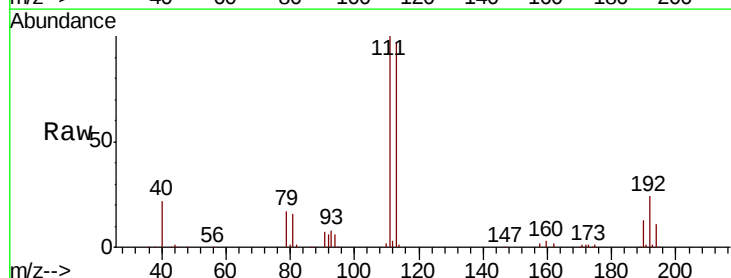
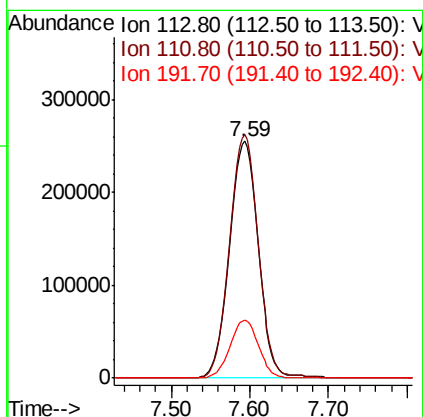
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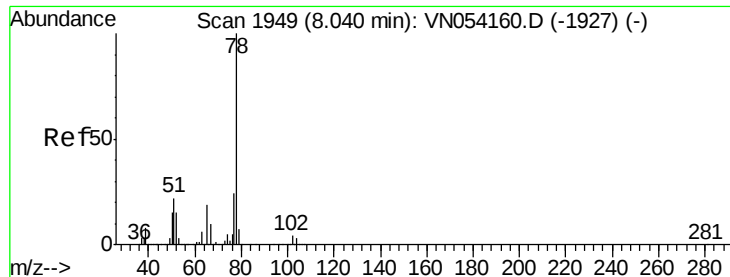
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#35
Dibromofluoromethane
Concen: 47.573 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054291.D
Acq: 15 Mar 2019 5:28

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.2	123.4
192	24.3	19.2	28.8





#40

Benzene

Concen: 0.339 ug/l

RT: 8.04 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VN054291.D

Acq: 15 Mar 2019 5:28

Instrument :

MSVOA_N

ClientSampleId :

30312-13-14-15-17

Tgt Ion: 78 Resp: 19009

Ion Ratio Lower Upper

78 100

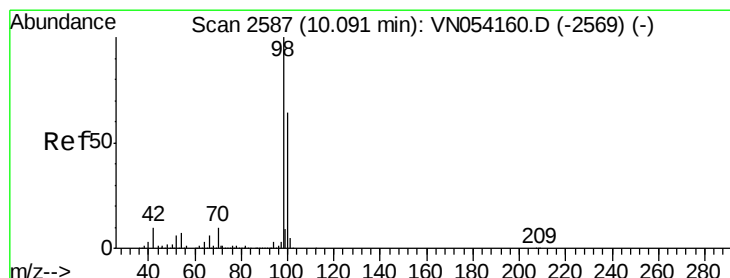
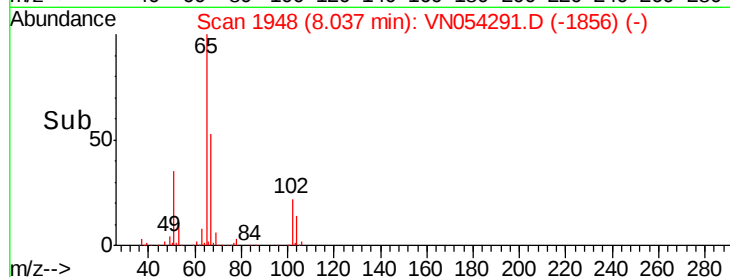
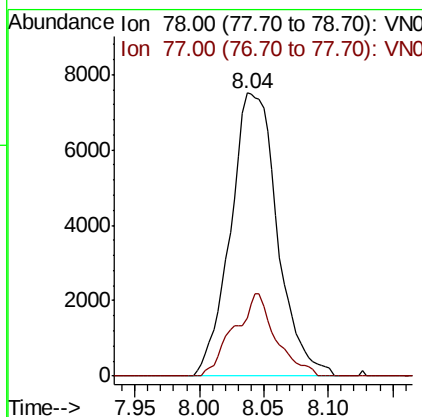
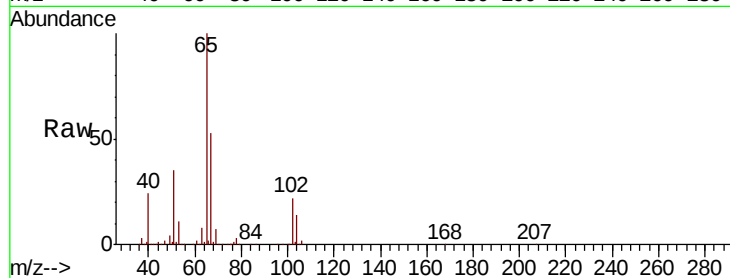
77 20.7 19.1 28.7

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#50

Toluene-d8

Concen: 52.644 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054291.D

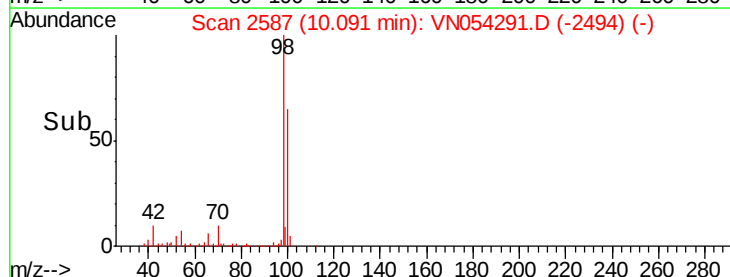
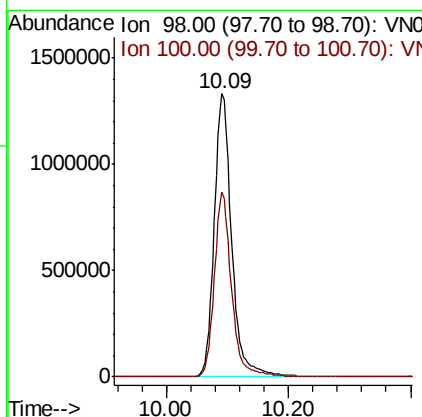
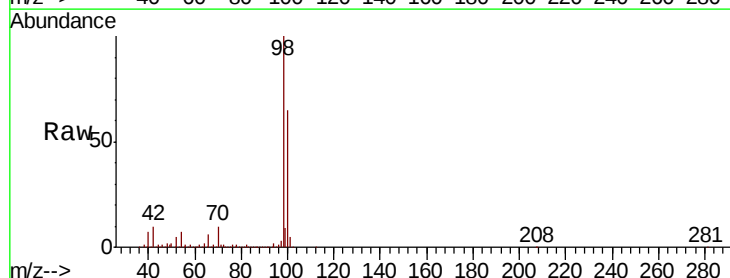
Acq: 15 Mar 2019 5:28

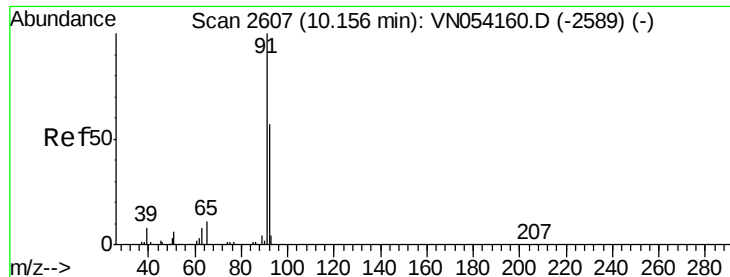
Tgt Ion: 98 Resp: 2666742

Ion Ratio Lower Upper

98 100

100 64.1 51.2 76.8





#52

Toluene

Concen: 676.029 ug/l m

RT: 10.15 min Scan# 2604

Delta R.T. -0.01 min

Lab File: VN054291.D

Acq: 15 Mar 2019 5:28

Instrument :

MSVOA_N

ClientSampleId :

30312-13-14-15-17

Tgt Ion: 92 Resp:24023301

Ion Ratio Lower Upper

92 100

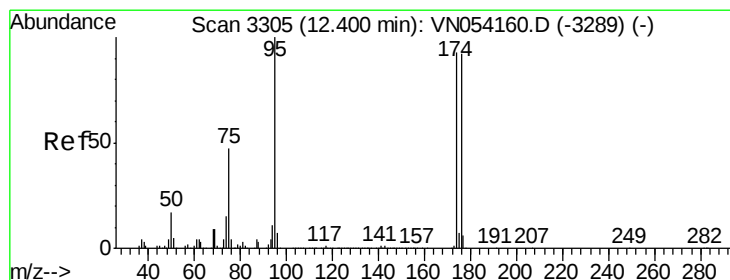
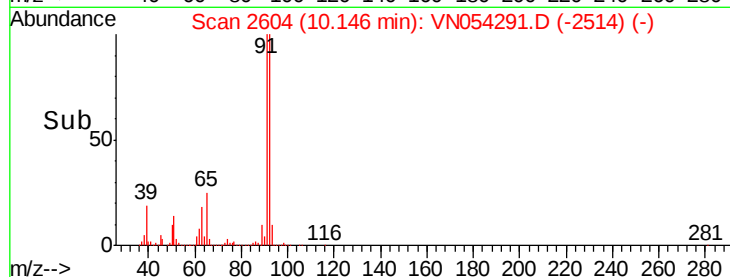
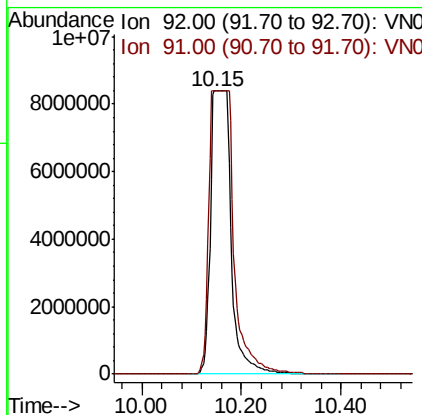
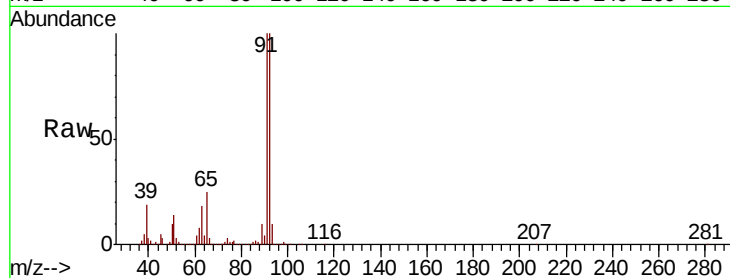
91 0.0 140.7 211.1#

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 58.668 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054291.D

Acq: 15 Mar 2019 5:28

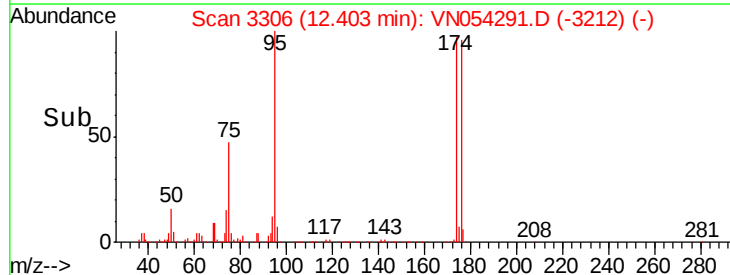
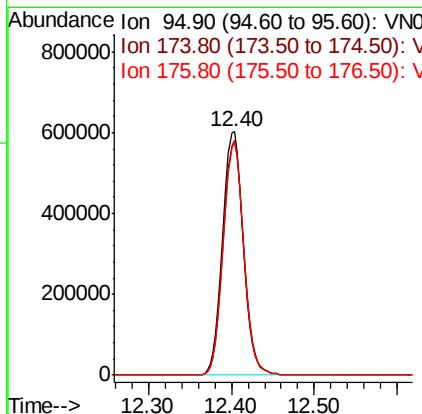
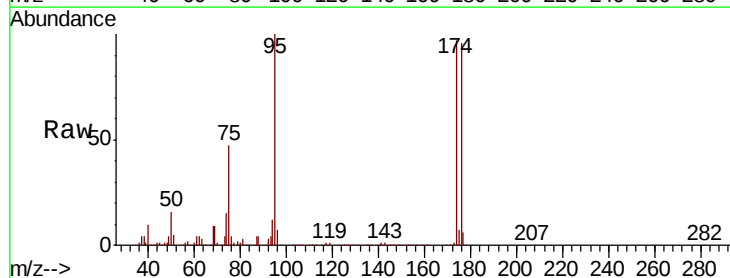
Tgt Ion: 95 Resp: 1039864

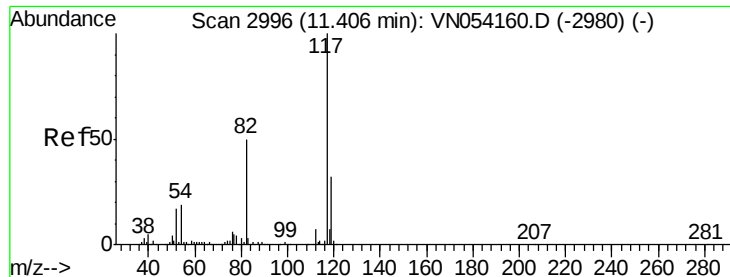
Ion Ratio Lower Upper

95 100

174 96.1 0.0 191.0

176 94.7 0.0 187.4





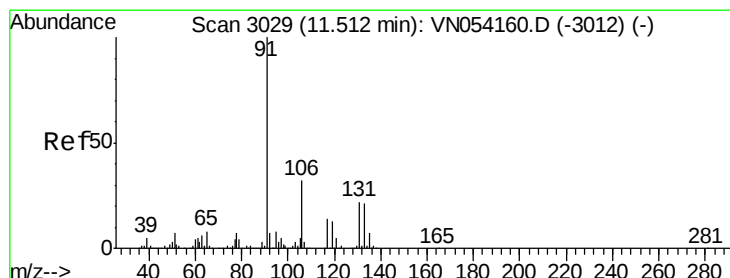
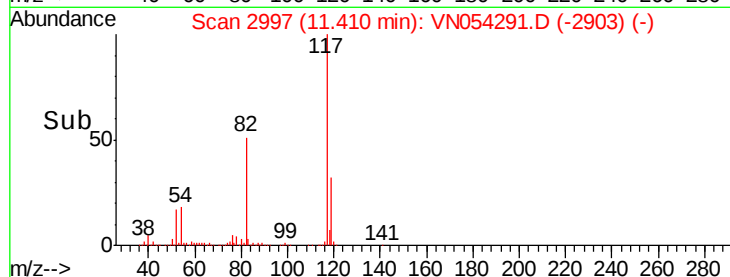
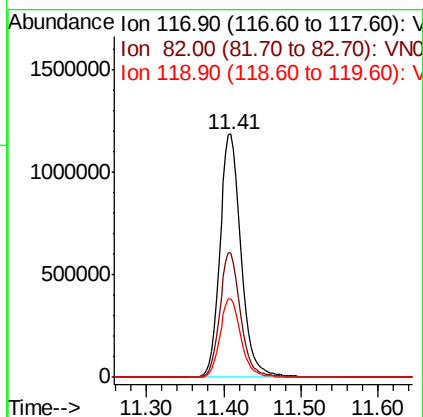
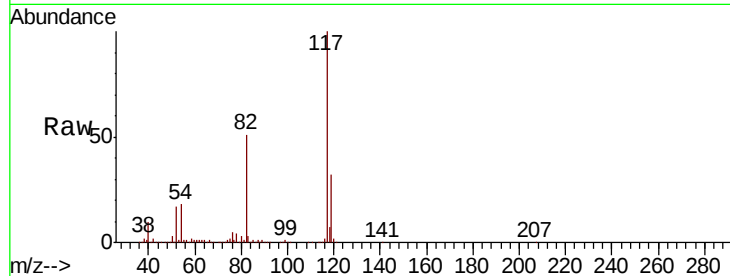
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054291.D
Acq: 15 Mar 2019 5:28

Instrument :
MSVOA_N
ClientSampleId :
30312-13-14-15-17

Tgt Ion: 117 Resp: 2268619
Ion Ratio Lower Upper
117 100
82 50.9 40.0 60.0
119 32.4 25.8 38.6

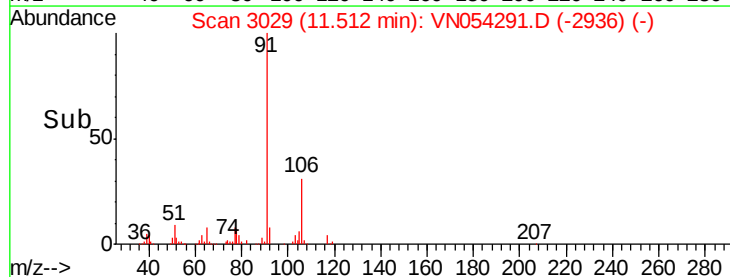
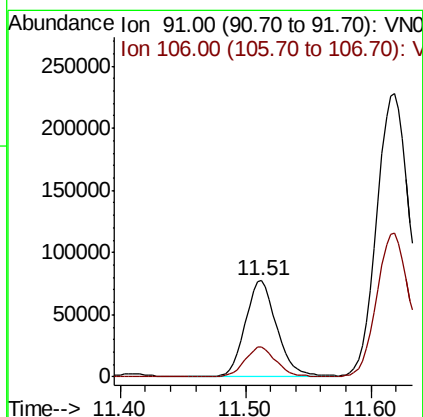
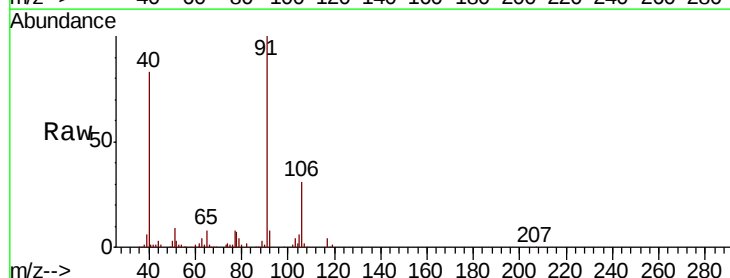
Manual Integrations
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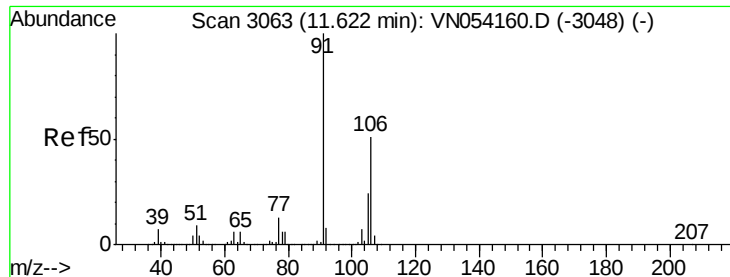
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#67
Ethyl Benzene
Concen: 1.647 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054291.D
Acq: 15 Mar 2019 5:28

Tgt Ion: 91 Resp: 135964
Ion Ratio Lower Upper
91 100
106 31.2 25.5 38.3





#68

m/p-Xylenes

Concen: 6.840 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN054291.D

Acq: 15 Mar 2019 5:28

Instrument :

MSVOA_N

ClientSampleId :

30312-13-14-15-17

Tgt Ion:106 Resp: 220759

Ion Ratio Lower Upper

106 100

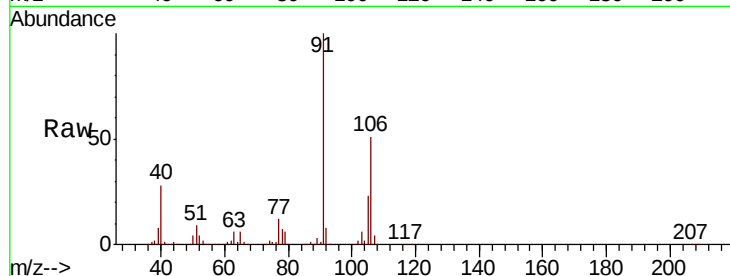
91 196.1 159.4 239.2

Manual Integrations

APPROVED

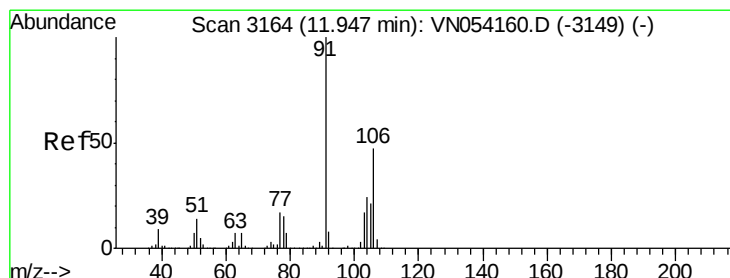
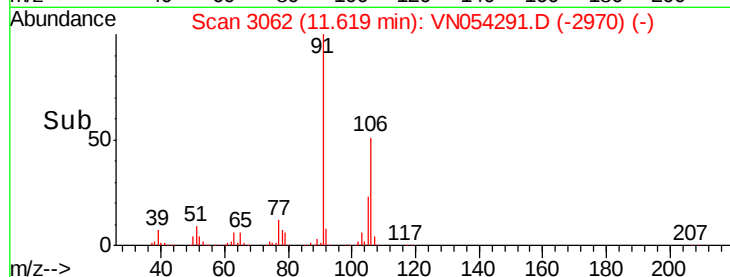
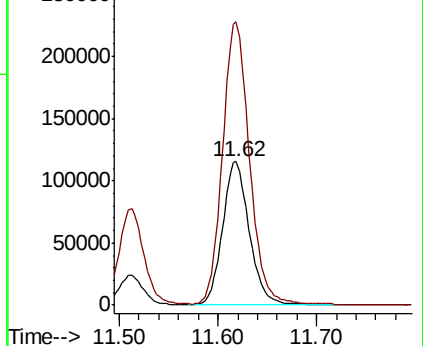
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 4.884 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN054291.D

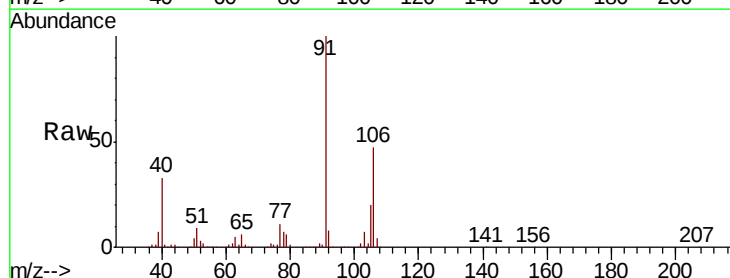
Acq: 15 Mar 2019 5:28

Tgt Ion:106 Resp: 153665

Ion Ratio Lower Upper

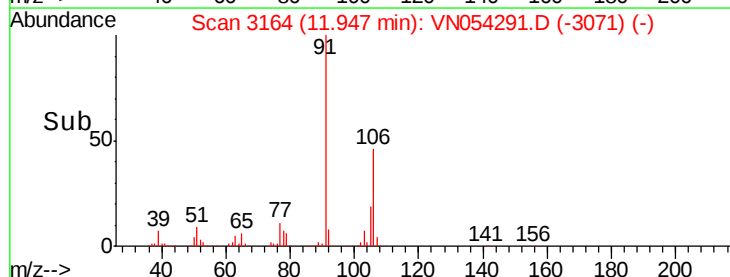
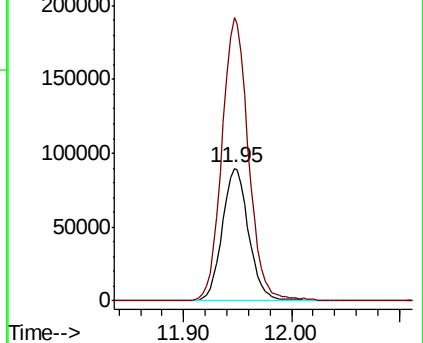
106 100

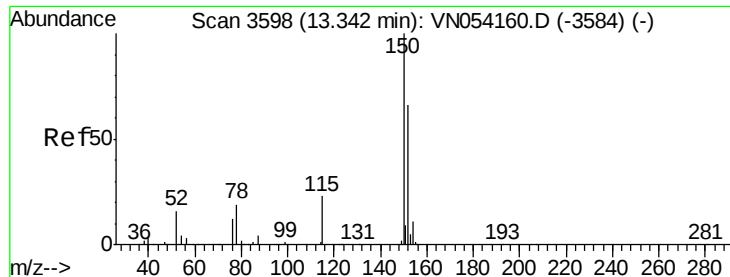
91 214.5 105.7 317.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054291.D

Acq: 15 Mar 2019 5:28

Instrument :

MSVOA_N

ClientSampleId :

30312-13-14-15-17

Tgt Ion:152 Resp: 1002905

Ion Ratio Lower Upper

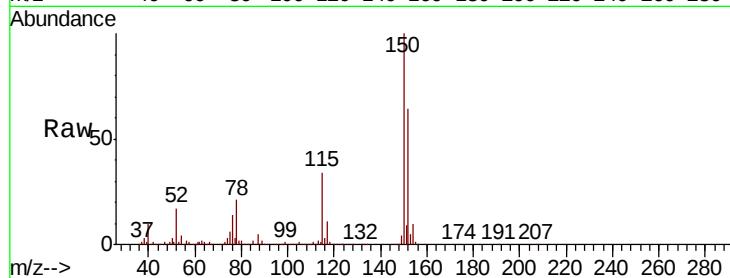
152 100

115 56.3 27.2 81.6

150 157.6 0.0 349.2

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3/15/2019 10:14:54 AM

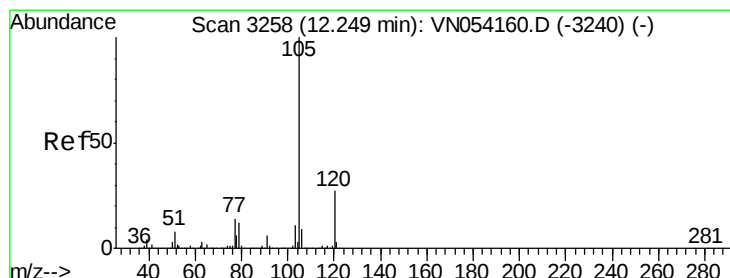
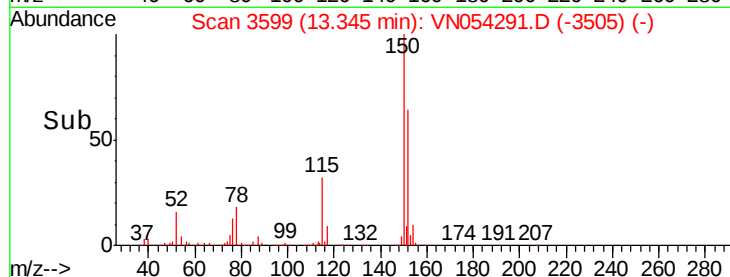
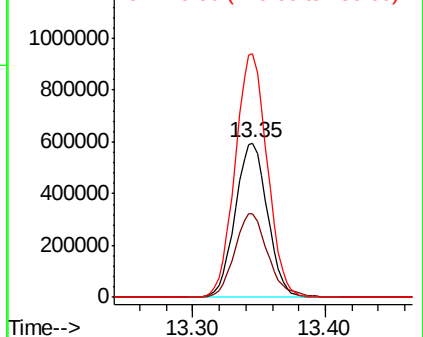


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.660 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054291.D

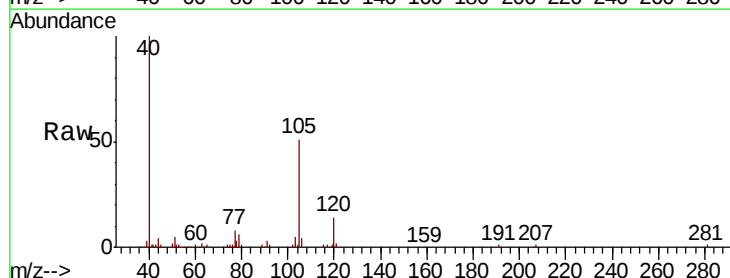
Acq: 15 Mar 2019 5:28

Tgt Ion:105 Resp: 52921

Ion Ratio Lower Upper

105 100

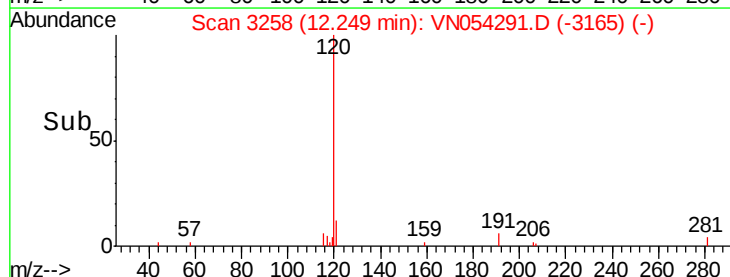
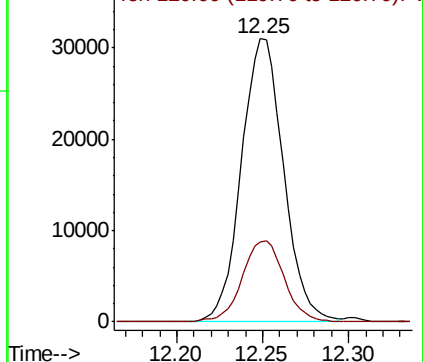
120 28.5 13.8 41.3

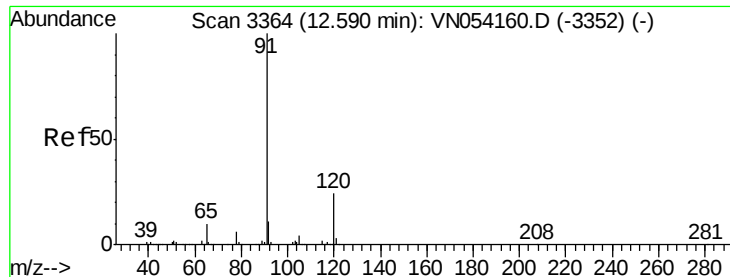


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 1.323 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054291.D

Acq: 15 Mar 2019 5:28

Instrument :

MSVOA_N

ClientSampleId :

30312-13-14-15-17

Tgt Ion: 91 Resp: 115211

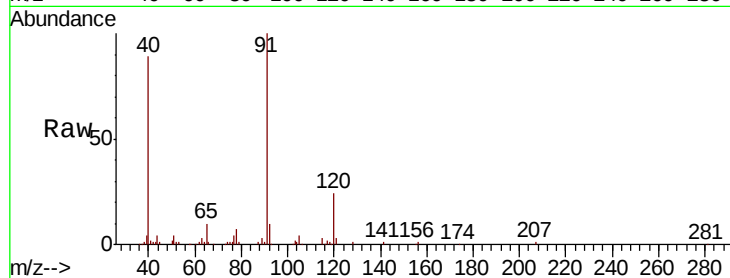
Ion Ratio Lower Upper

91 100

120 24.8 12.3 36.9

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3/15/2019 10:14:54 AM



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN054160.D (-3352) (-)

100000

80000

60000

40000

20000

0

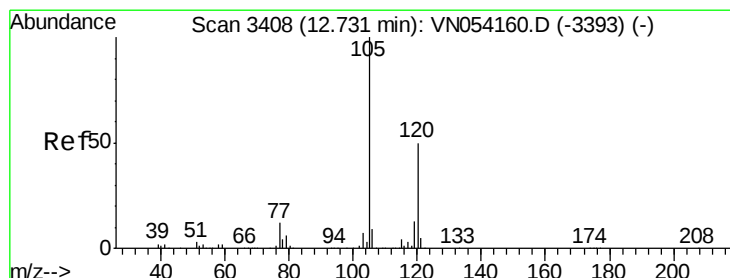
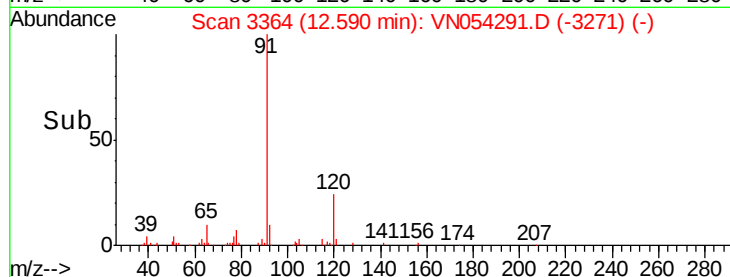
12.59

12.55

12.60

12.65

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 3.986 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054291.D

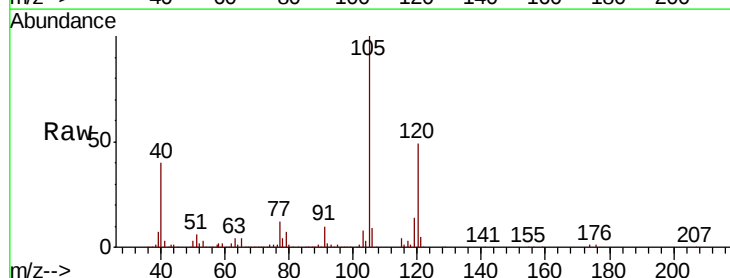
Acq: 15 Mar 2019 5:28

Tgt Ion: 105 Resp: 266065

Ion Ratio Lower Upper

105 100

120 50.2 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054160.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN054160.D (-3393) (-)

150000

100000

50000

0

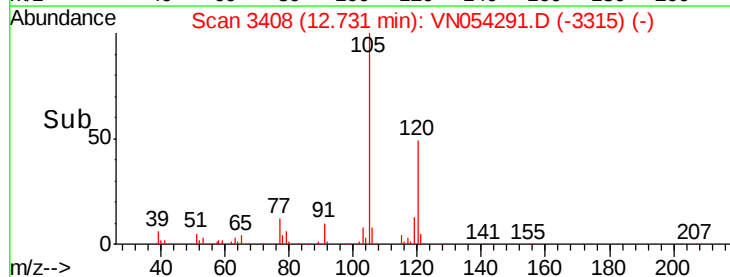
12.73

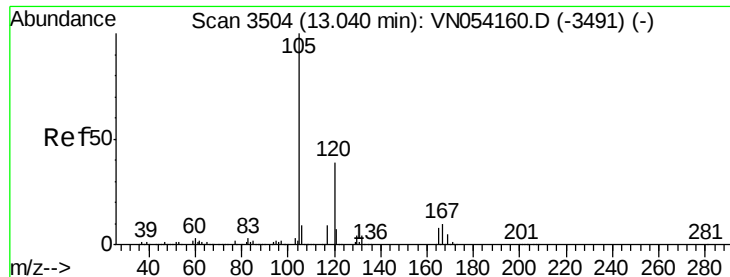
12.70

12.75

12.80

Time-->





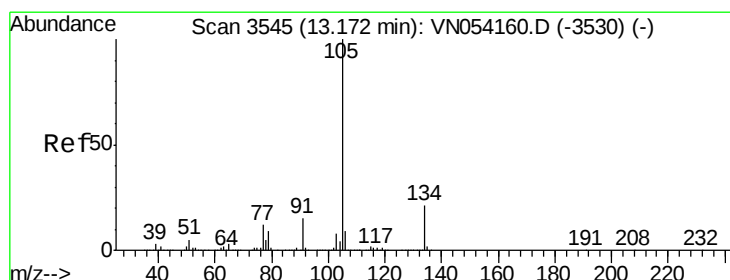
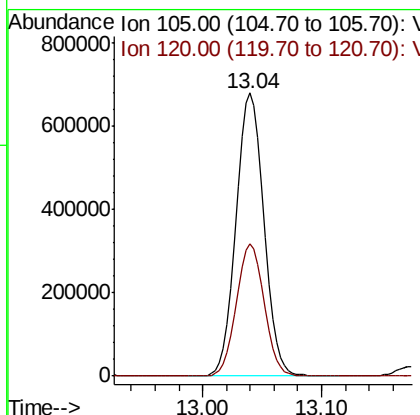
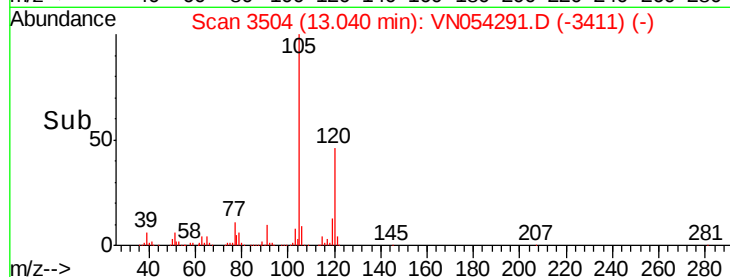
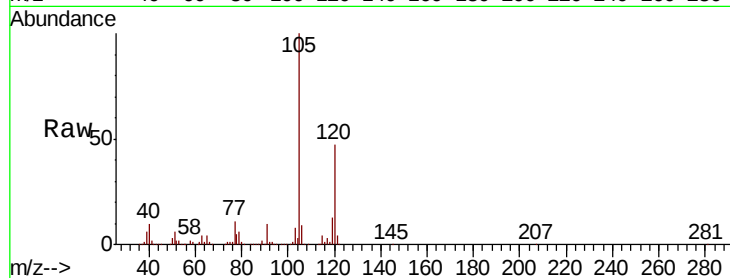
#84
 1,2,4-Trimethylbenzene
 Concen: 16.776 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054291.D
 Acq: 15 Mar 2019 5:28

Instrument :
 MSVOA_N
 ClientSampleId :
 30312-13-14-15-17

Tgt Ion:105 Resp: 1098452
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.4 70.3

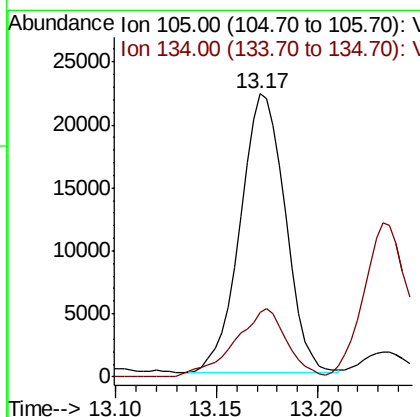
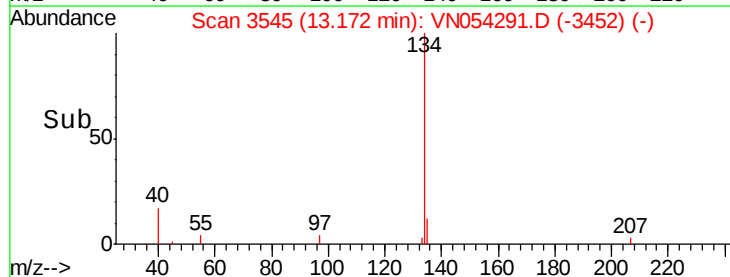
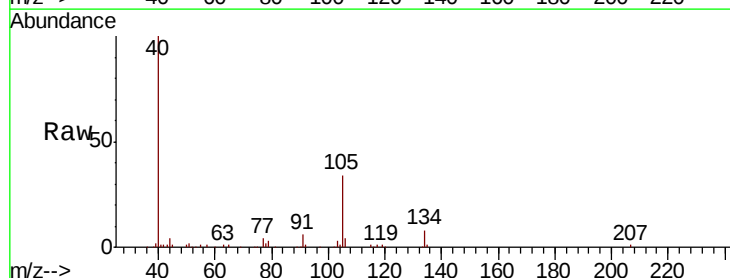
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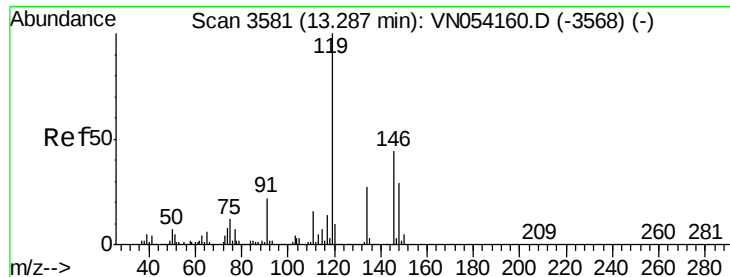
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 3/15/2019 10:14:54 AM



#85
 sec-Butylbenzene
 Concen: 0.436 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054291.D
 Acq: 15 Mar 2019 5:28

Tgt Ion:105 Resp: 34731
 Ion Ratio Lower Upper
 105 100
 134 27.8 10.7 32.1





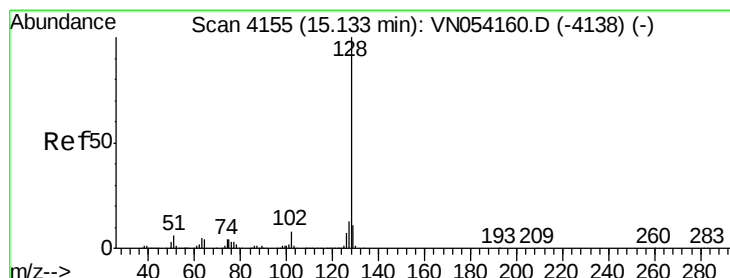
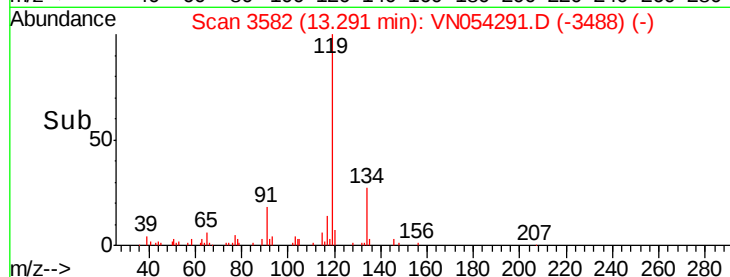
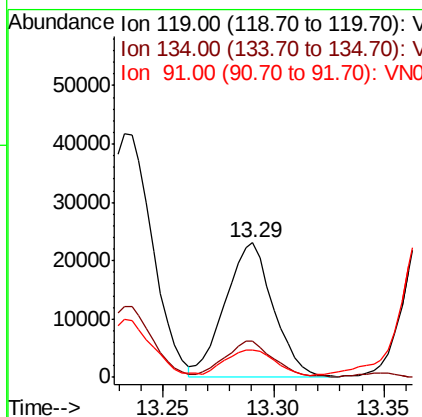
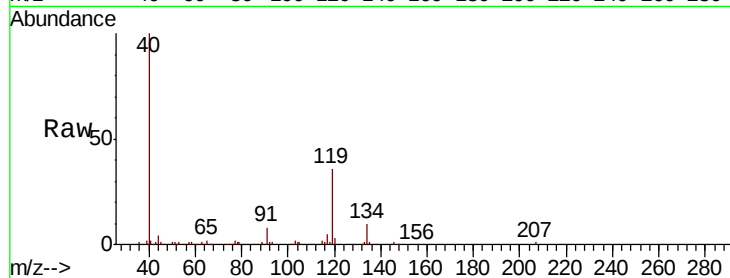
#86
p-Isopropyltoluene
Concen: 0.500 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN054291.D
Acq: 15 Mar 2019 5:28

Instrument :
MSVOA_N
ClientSampleId :
30312-13-14-15-17

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	34956		
134	27.1	13.6	40.8	
91	18.6	11.1	33.3	

Manual Integrations
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3/15/2019 10:14:54 AM



#95
Naphthalene
Concen: 6.371 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054291.D
Acq: 15 Mar 2019 5:28

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	137155		
127	13.5	10.1	15.1	
129	10.5	8.7	13.1	

