

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
 Data File : VN054296.D
 Acq On : 15 Mar 2019 7:45
 Operator : JC/SP
 Sample : K1902-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30301

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 10:15:05 AM

Quant Time: Mar 15 08:41:10 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	1424749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2422461	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2580174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1252515	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	763939	50.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.98%	
35) Dibromofluoromethane	7.59	113	733937	46.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.96%	
50) Toluene-d8	10.09	98	3008670	52.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.28%	
62) 4-Bromofluorobenzene	12.40	95	1223893	60.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.24%	
Target Compounds						
					Qvalue	
16) Acetone	3.82	43	19255141	4444.538	ug/l	99
18) Methyl Acetate	4.33	43	227857	25.996	ug/l	99
25) 2-Butanone	6.84	43	1184562	232.961	ug/l	99
37) Ethyl Acetate	6.94	43	1651889	128.869	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	505979	42.494	ug/l #	82
52) Toluene	10.16	92	234232	5.787	ug/l	99
64) Tetrachloroethene	10.63	164	81786	3.278	ug/l	100
67) Ethyl Benzene	11.51	91	881020	9.381	ug/l	100
68) m/p-Xylenes	11.62	106	1756971	47.867	ug/l	99
69) o-Xylene	11.95	106	1234843	34.510	ug/l	99
73) Isopropylbenzene	12.25	105	155783	1.555	ug/l	98
78) n-propylbenzene	12.59	91	623092	5.730	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1623523	19.478	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	7022760	85.881	ug/l	100
85) sec-Butylbenzene	13.17	105	151070m	1.518	ug/l	
86) p-Isopropyltoluene	13.29	119	117070	1.341	ug/l	97
89) n-Butylbenzene	13.61	91	204267	3.080	ug/l #	66
95) Naphthalene	15.13	128	2344005	43.177	ug/l	98

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

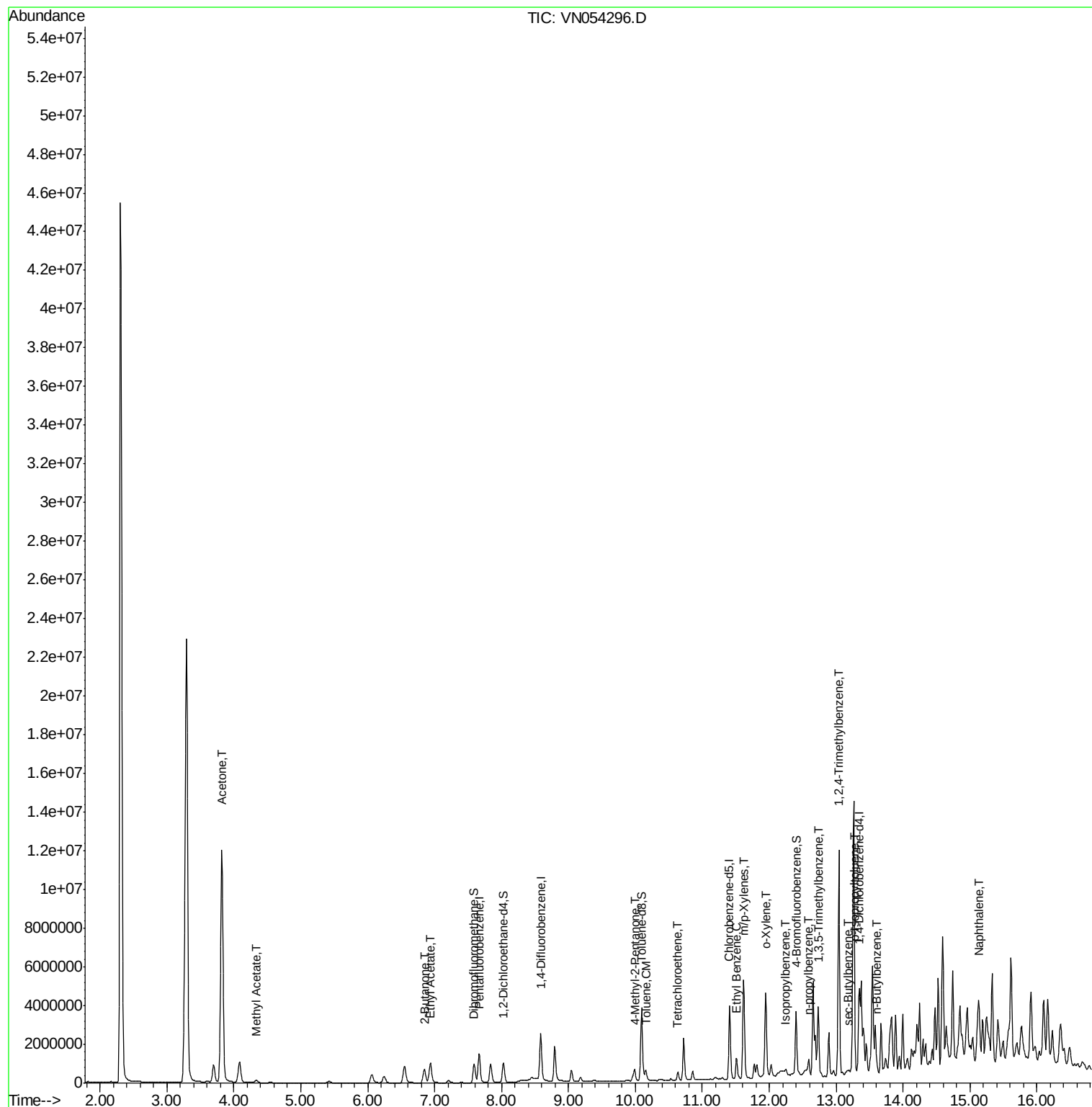
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054296.D
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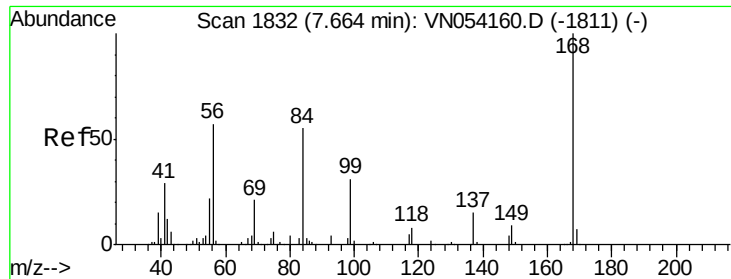
Instrument :
MSVOA_N
ClientSampleId :
30301

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3/15/2019 10:15:05 AM

Quant Time: Mar 15 08:41:10 2019
Quant Method : Z:\V0ASRV\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: VN054296.D

Acq: 15 Mar 2019 7:45

Instrument :

MSVOA_N

ClientSampled :
30301

Tgt Ion:168 Resp: 1424749

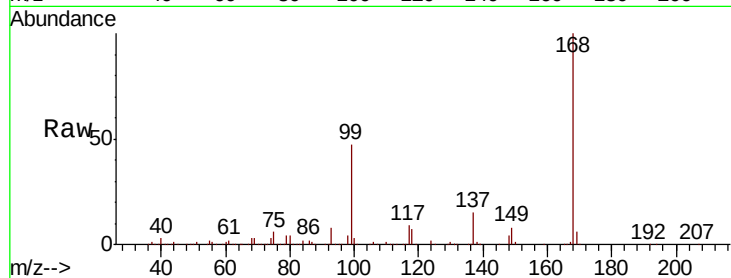
Ion Ratio Lower Upper

168 100

99 46.6 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): VNO

600000

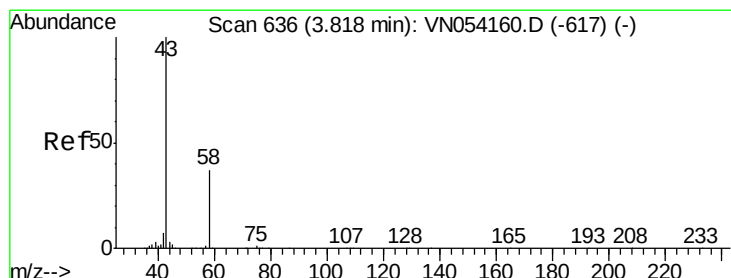
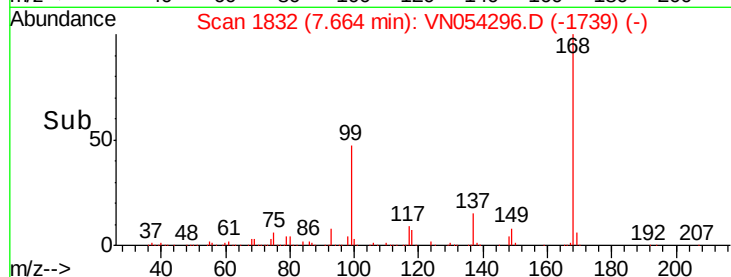
400000

200000

0

7.50 7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 4444.538 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054296.D

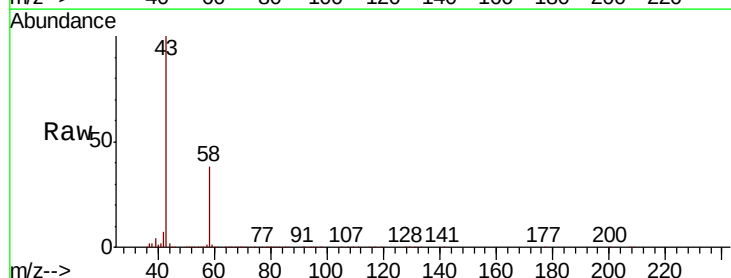
Acq: 15 Mar 2019 7:45

Tgt Ion: 43 Resp:19255141

Ion Ratio Lower Upper

43 100

58 38.1 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

8000000

6000000

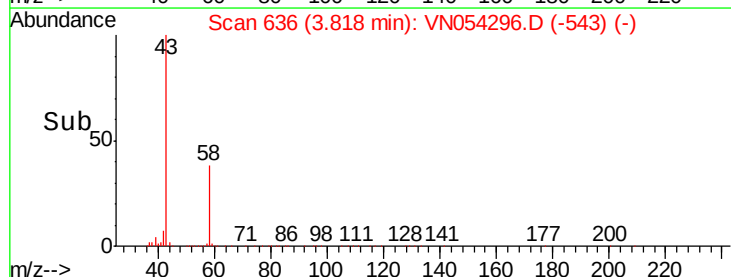
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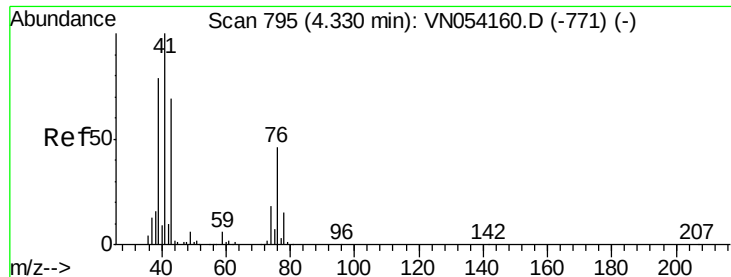
2000000

0

3.80 4.00

Time-->





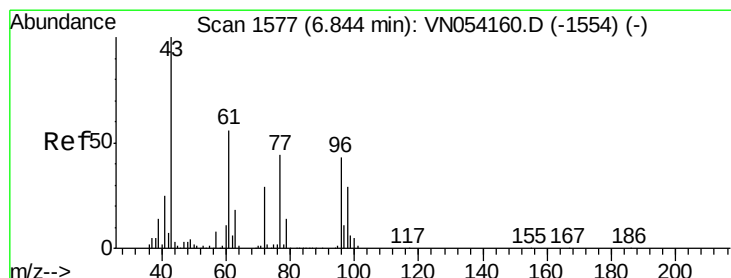
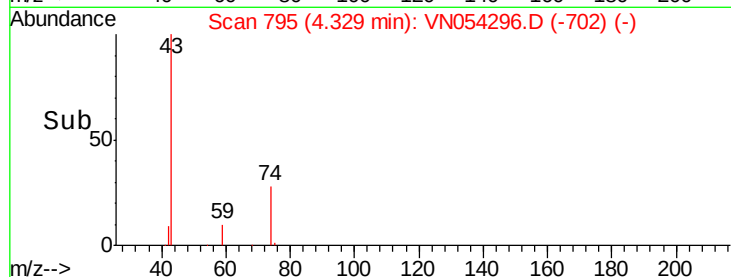
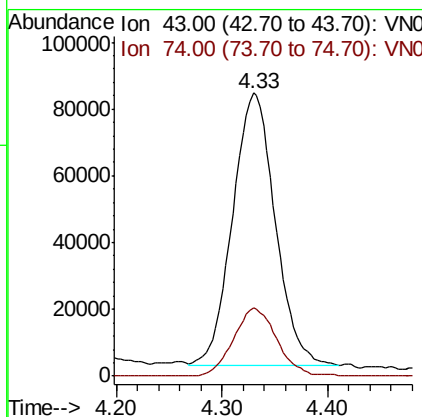
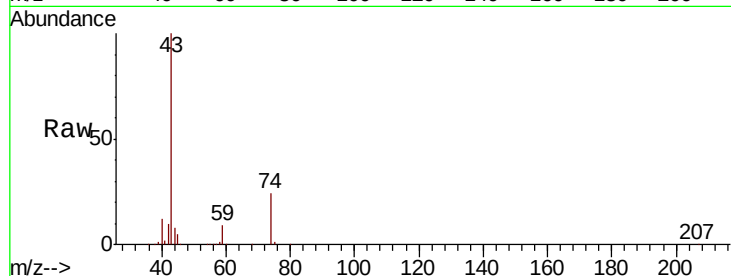
#18
Methyl Acetate
Concen: 25.996 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054296.D
Acq: 15 Mar 2019 7:45

Instrument :
MSVOA_N
ClientSampleId :
30301

Tgt Ion: 43 Resp: 227857
Ion Ratio Lower Upper
43 100
74 25.4 20.8 31.2

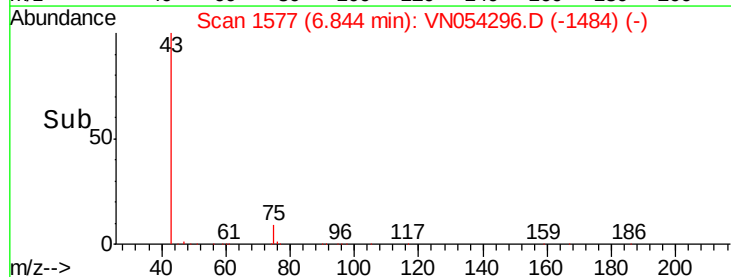
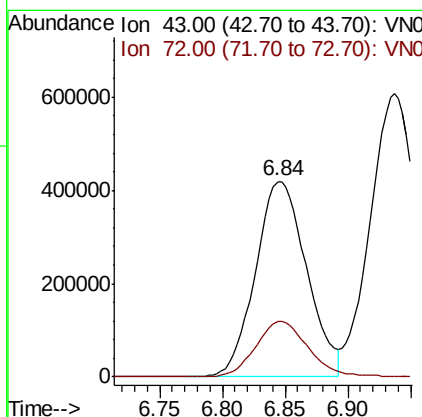
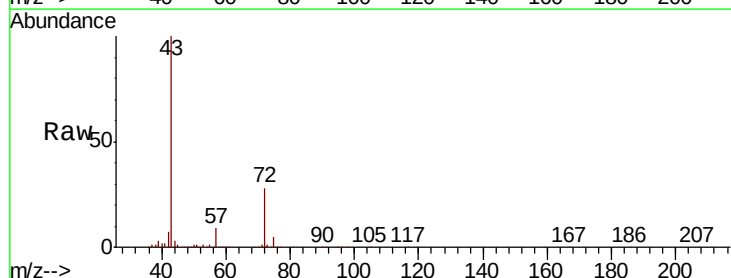
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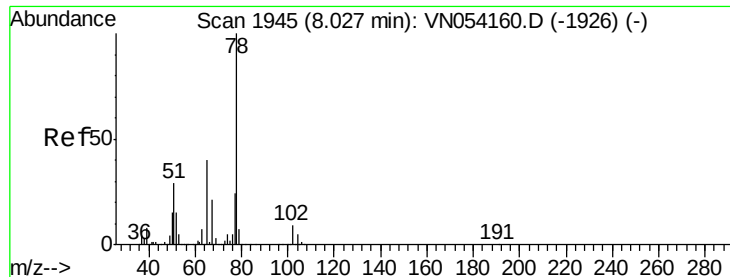
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#25
2-Butanone
Concen: 232.961 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. -0.00 min
Lab File: VN054296.D
Acq: 15 Mar 2019 7:45

Tgt Ion: 43 Resp: 1184562
Ion Ratio Lower Upper
43 100
72 28.4 23.0 34.6





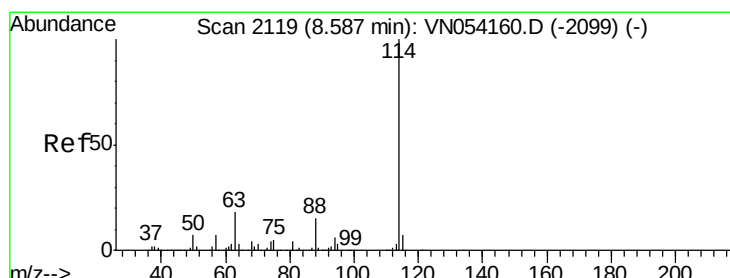
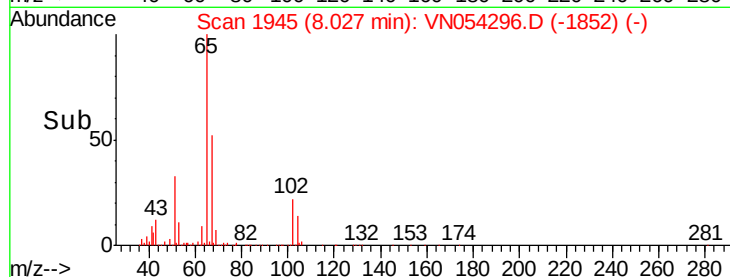
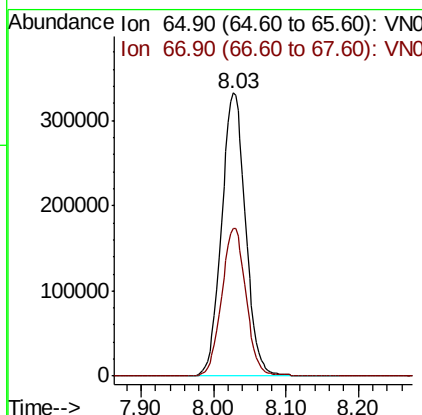
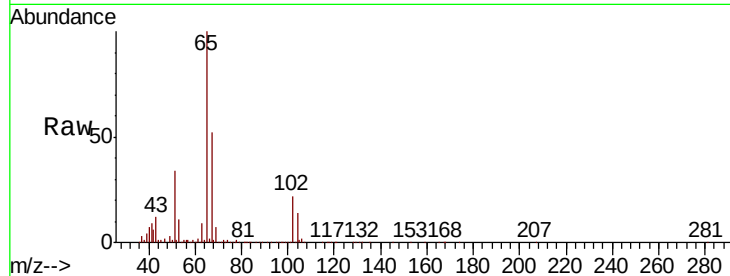
#33
 1,2-Dichloroethane-d4
 Concen: 50.489 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054296.D
 Acq: 15 Mar 2019 7:45

Instrument :
 MSVOA_N
 ClientSampleId :
 30301

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	763939		
67	52.7	0.0	104.6	

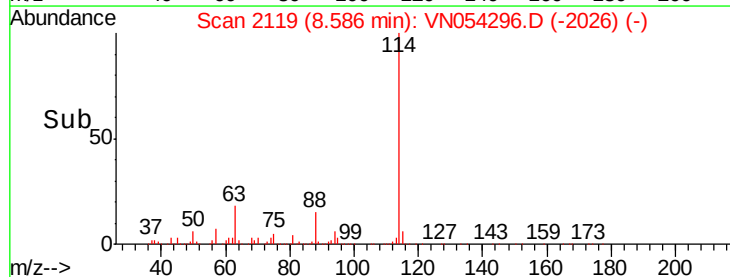
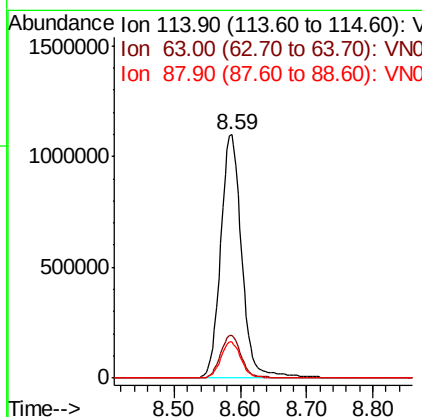
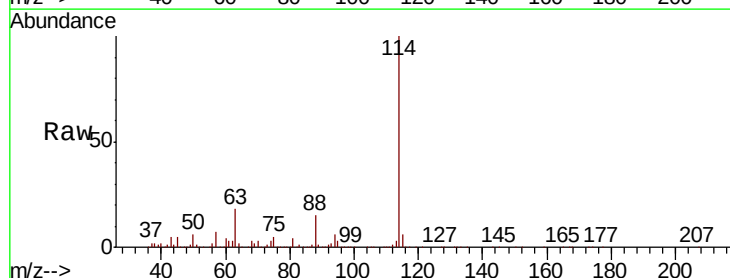
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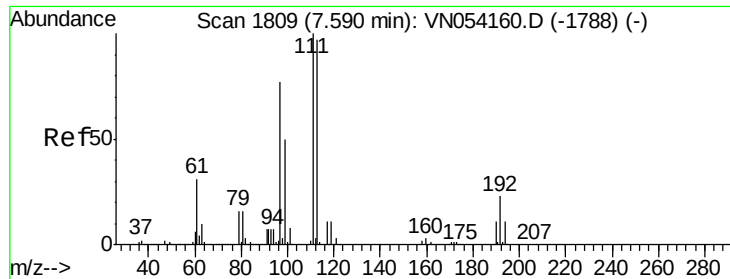
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 3/15/2019 10:15:05 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054296.D
 Acq: 15 Mar 2019 7:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	2422461		
63	17.7	0.0	35.2	
88	14.7	0.0	30.2	





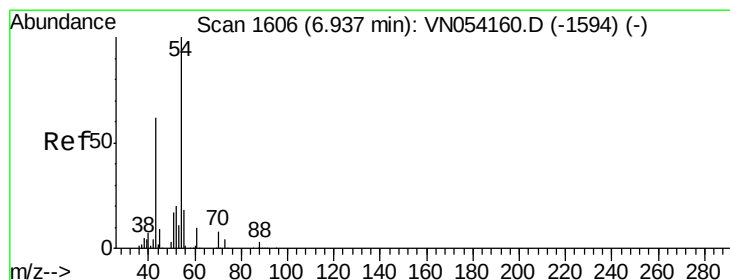
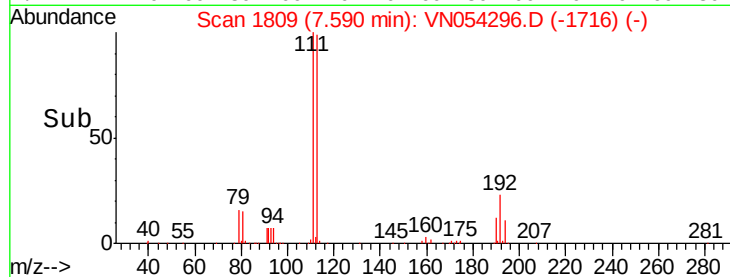
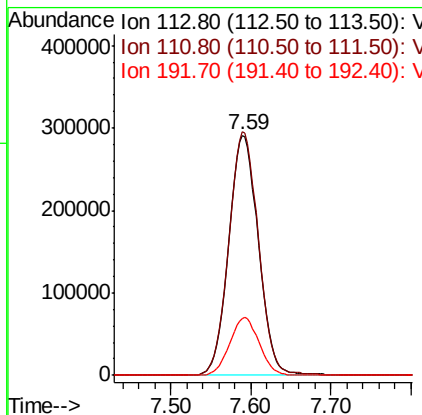
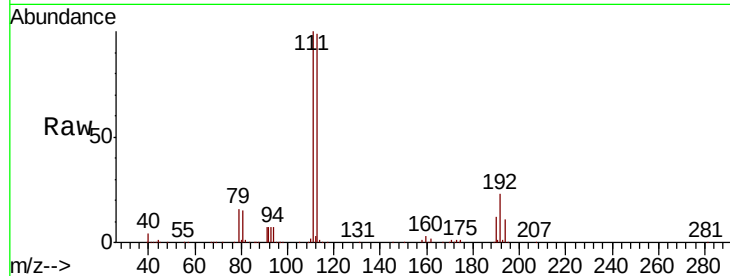
#35
 Dibromofluoromethane
 Concen: 46.975 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054296.D
 Acq: 15 Mar 2019 7:45

Instrument :
 MSVOA_N
 ClientSampled :
 30301

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	733937		
111	101.4	82.2	123.4	
192	23.9	19.2	28.8	

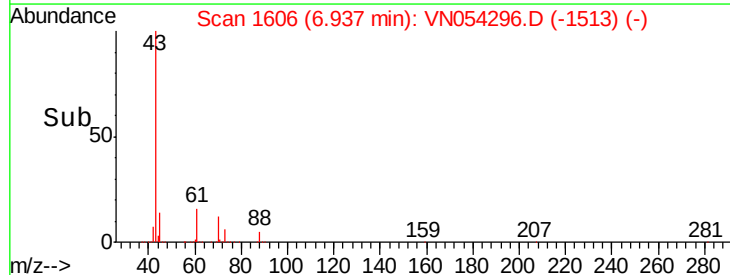
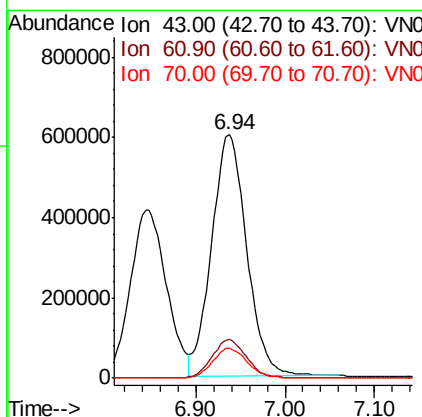
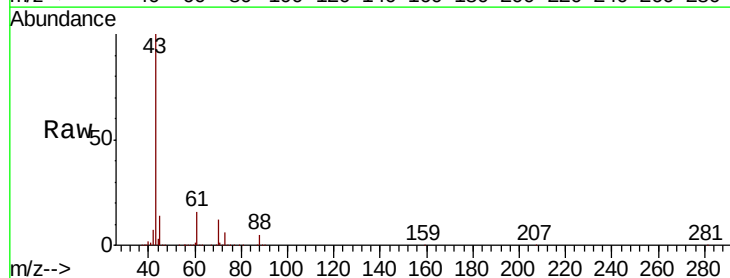
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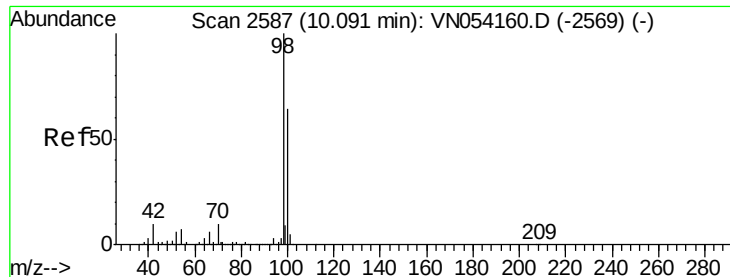
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#37
 Ethyl Acetate
 Concen: 128.869 ug/l
 RT: 6.94 min Scan# 1606
 Delta R.T. -0.00 min
 Lab File: VN054296.D
 Acq: 15 Mar 2019 7:45

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	1651889		
61	15.5	11.8	17.6	
70	12.1	8.4	12.6	





#50

Toluene-d8

Concen: 52.142 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

Instrument :

MSVOA_N

ClientSampleId :
30301

Tgt Ion: 98 Resp: 3008670

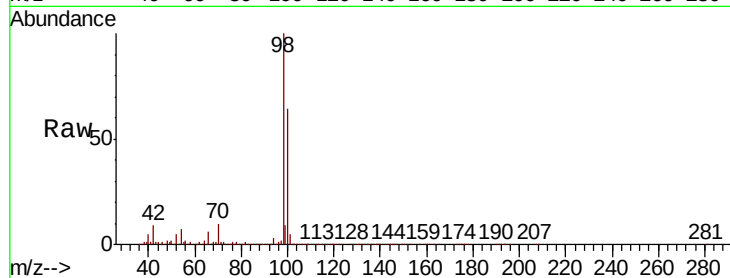
Ion Ratio Lower Upper

98 100

100 64.5 51.2 76.8

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3/15/2019 10:15:05 AM



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

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

10.09

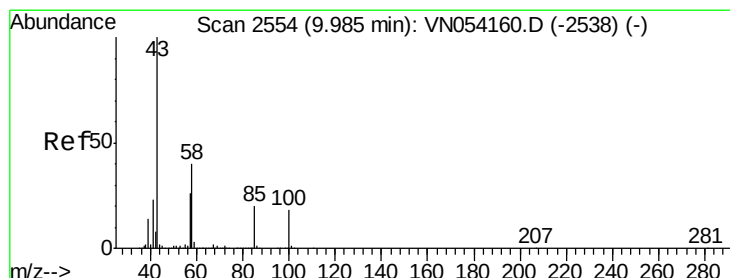
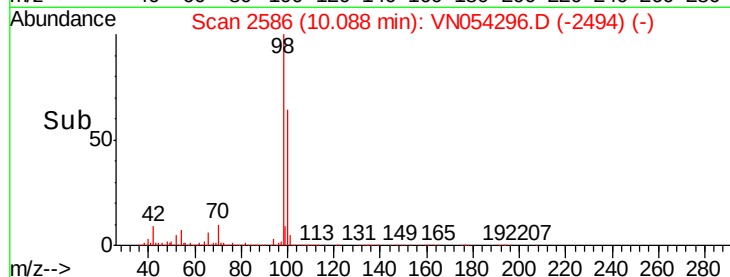
1500000

1000000

500000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 42.494 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054296.D

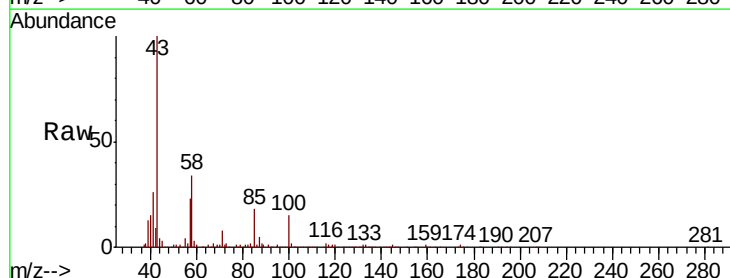
Acq: 15 Mar 2019 7:45

Tgt Ion: 43 Resp: 505979

Ion Ratio Lower Upper

43 100

58 28.4 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054160.D (-2538) (-)

9.99

250000

200000

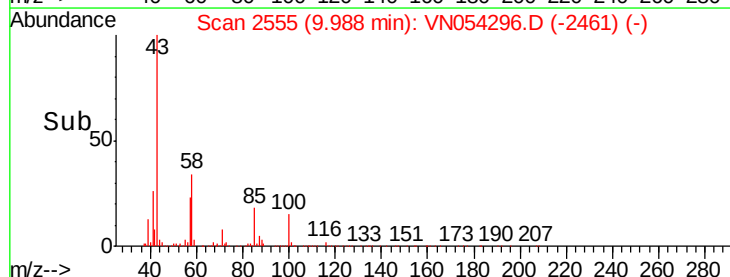
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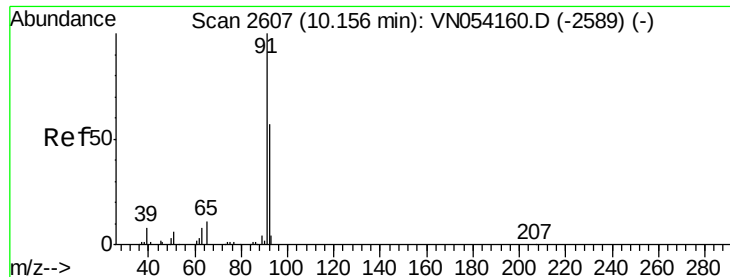
100000

50000

0

Time-->





#52

Toluene

Concen: 5.787 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

Instrument :

MSVOA_N

ClientSampleId :

30301

Tgt Ion: 92 Resp: 234232

Ion Ratio Lower Upper

92 100

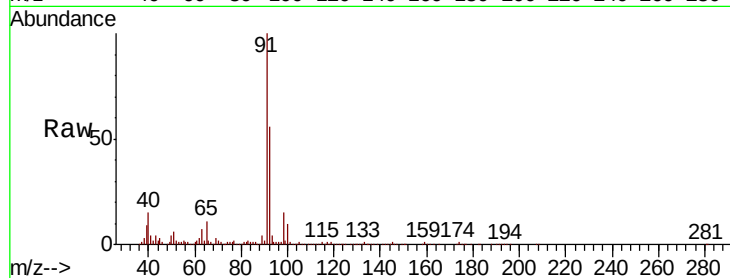
91 177.8 140.7 211.1

Manual Integrations

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3/15/2019 10:15:05 AM



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

250000

200000

150000

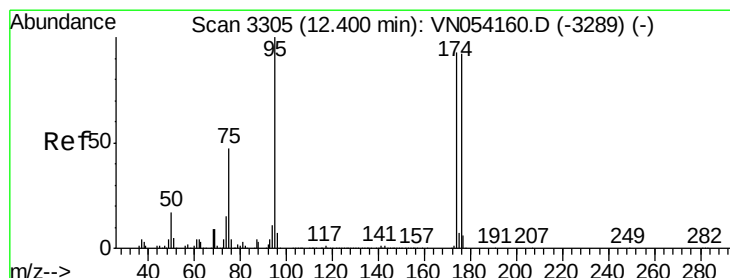
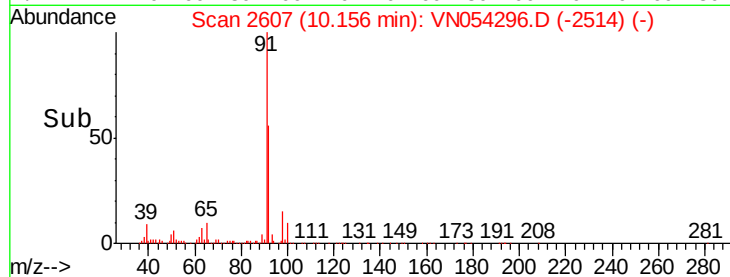
100000

50000

0

10.10 10.20 10.30

Time-->



#62

4-Bromofluorobenzene

Concen: 60.620 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

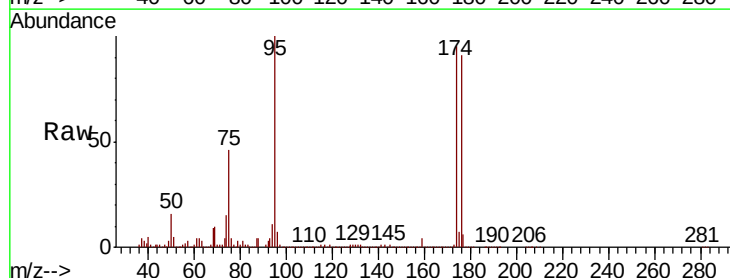
Tgt Ion: 95 Resp: 1223893

Ion Ratio Lower Upper

95 100

174 97.2 0.0 191.0

176 93.6 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

800000

600000

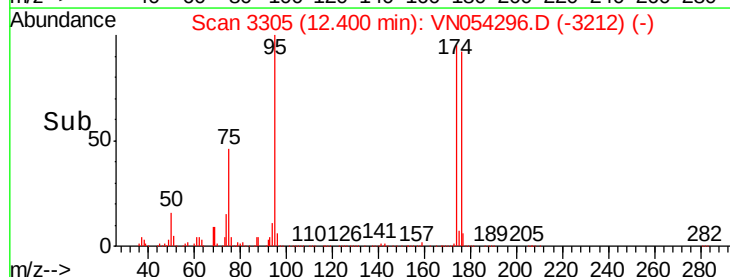
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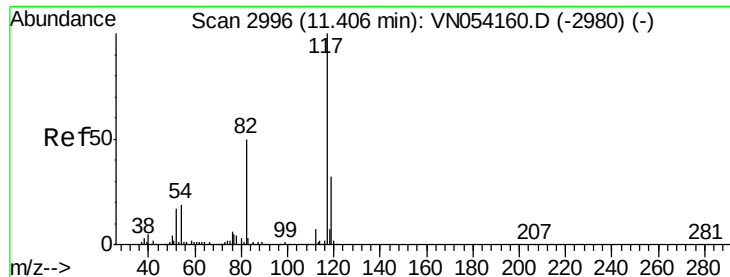
200000

0

12.30 12.40 12.50

Time-->





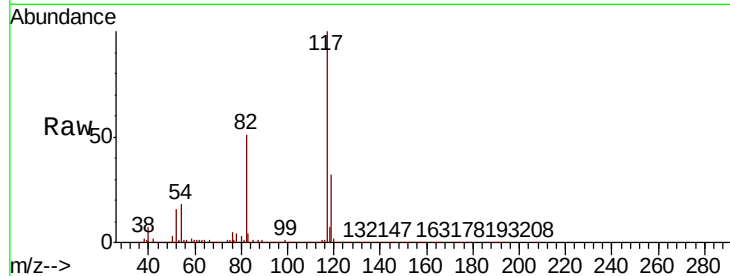
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054296.D
Acq: 15 Mar 2019 7:45

Instrument :
MSVOA_N
ClientSampled :
30301

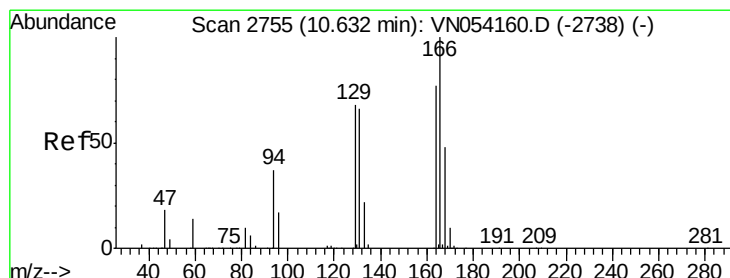
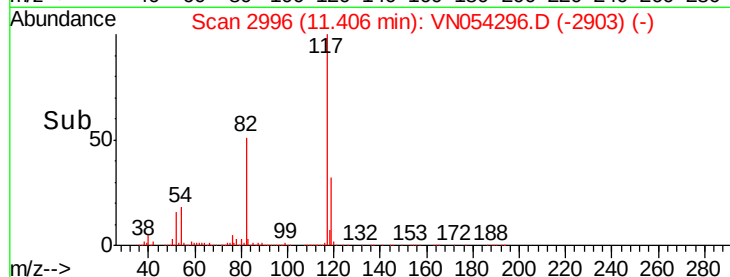
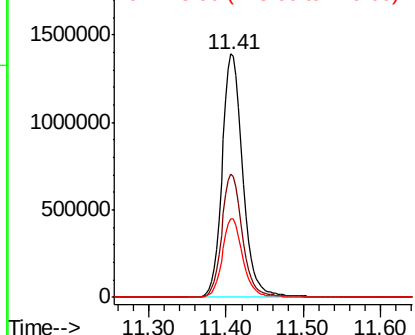
Tgt Ion:117 Resp: 2580174
Ion Ratio Lower Upper
117 100
82 50.5 40.0 60.0
119 32.4 25.8 38.6

Manual Integrations
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3/15/2019 10:15:05 AM



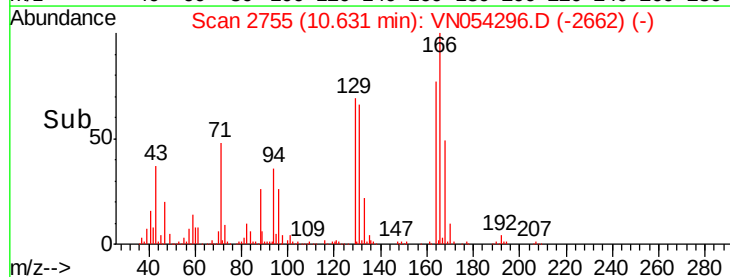
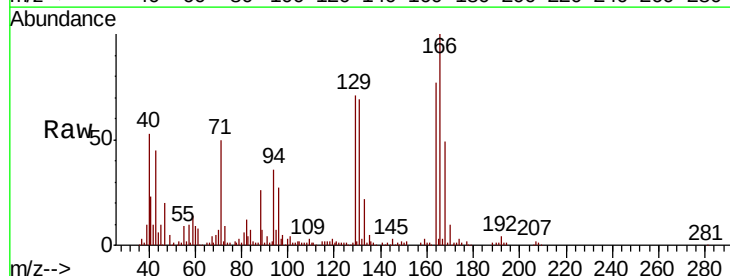
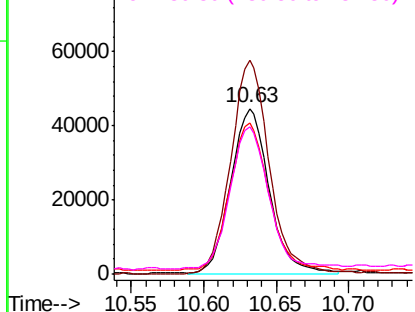
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

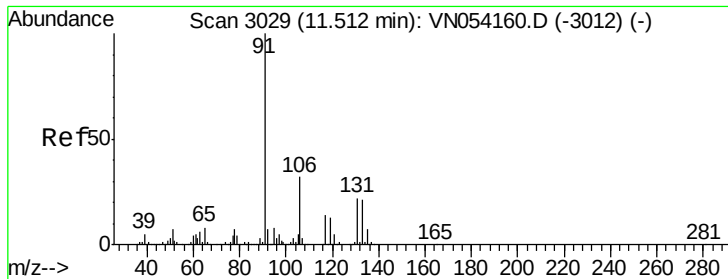


#64
Tetrachloroethene
Concen: 3.278 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054296.D
Acq: 15 Mar 2019 7:45

Tgt Ion:164 Resp: 81786
Ion Ratio Lower Upper
164 100
166 129.3 103.9 155.9
129 89.0 71.1 106.7
131 85.9 68.2 102.4

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#67

Ethyl Benzene

Concen: 9.381 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

Instrument :

MSVOA_N

ClientSampled :
30301

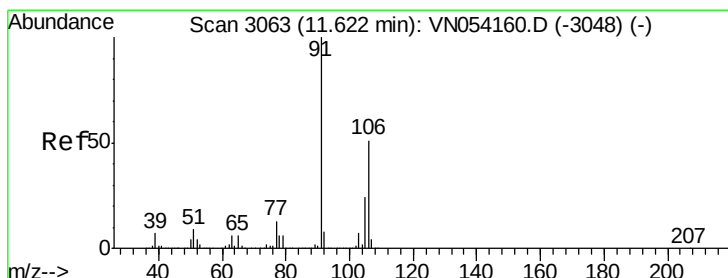
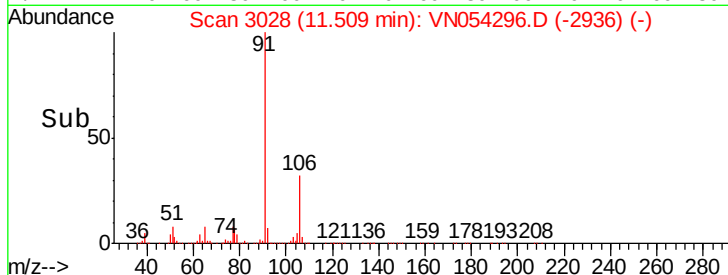
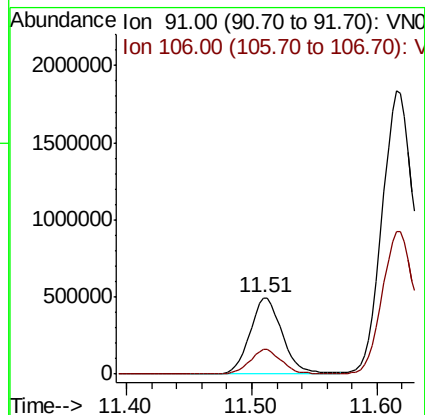
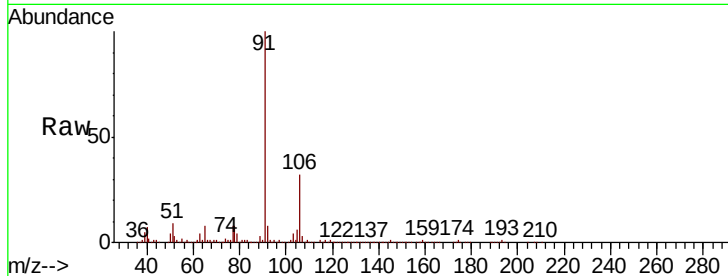
Tgt Ion: 91 Resp: 881020
Ion Ratio Lower Upper

91 100

106 32.0 25.5 38.3

Manual Integrations
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#68

m/p-Xylenes

Concen: 47.867 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.01 min

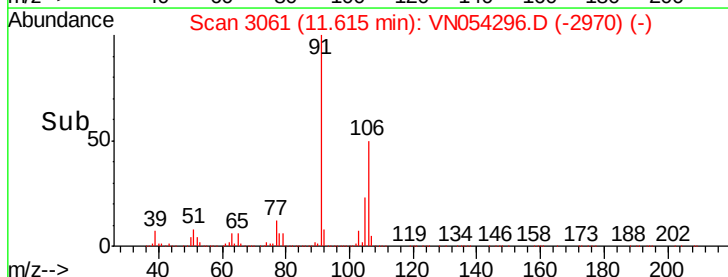
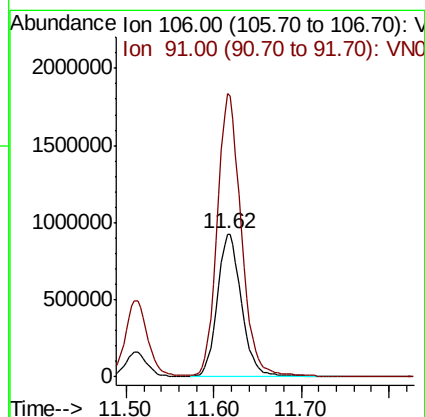
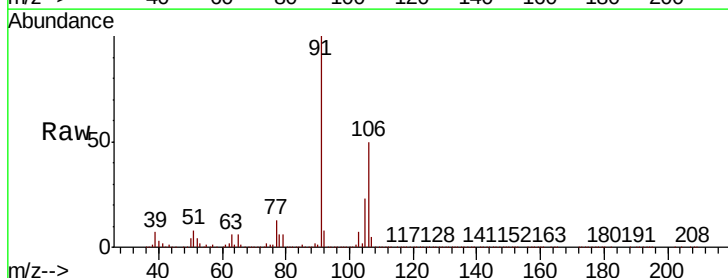
Lab File: VN054296.D

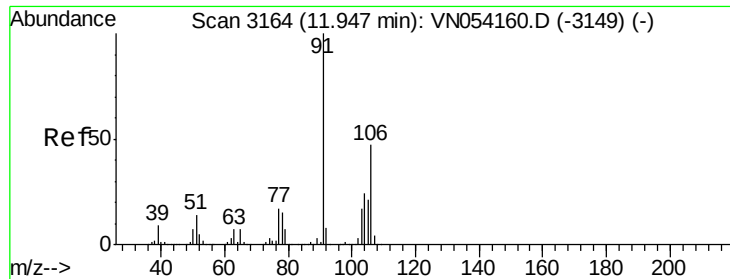
Acq: 15 Mar 2019 7:45

Tgt Ion: 106 Resp: 1756971
Ion Ratio Lower Upper

106 100

91 197.9 159.4 239.2





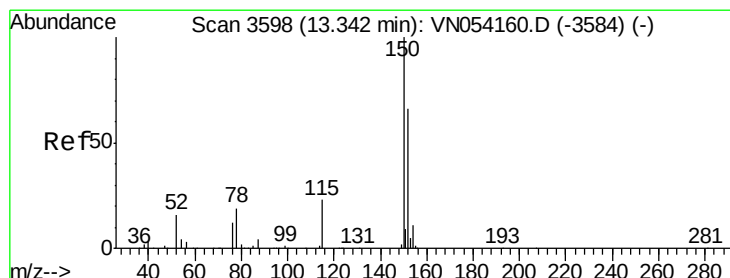
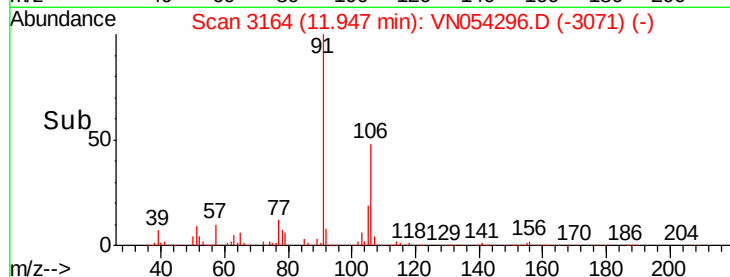
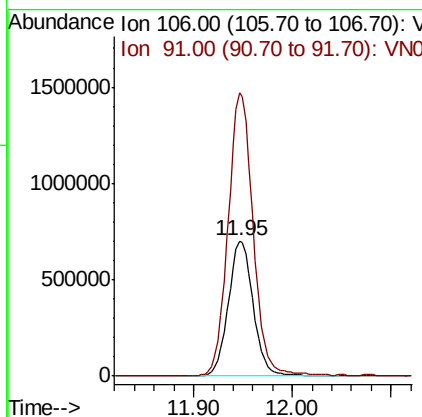
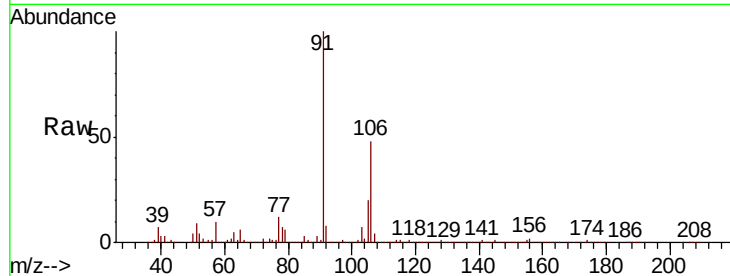
#69
o-Xylene
Concen: 34.510 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054296.D
Acq: 15 Mar 2019 7:45

Instrument :
MSVOA_N
ClientSampled :
30301

Tgt Ion:106 Resp: 1234843
Ion Ratio Lower Upper
106 100
91 209.4 105.7 317.1

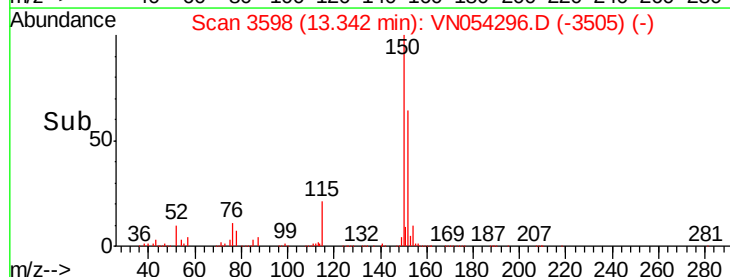
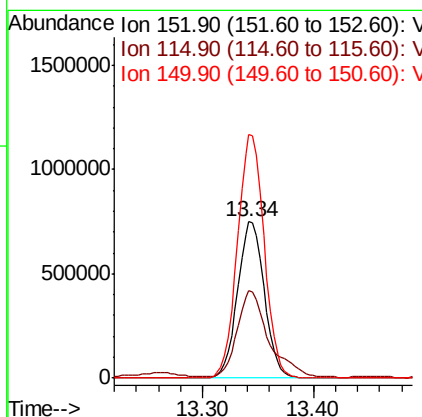
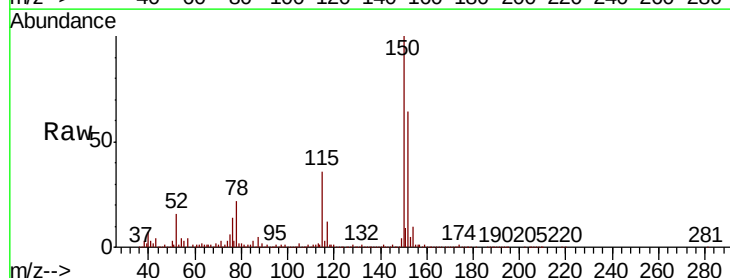
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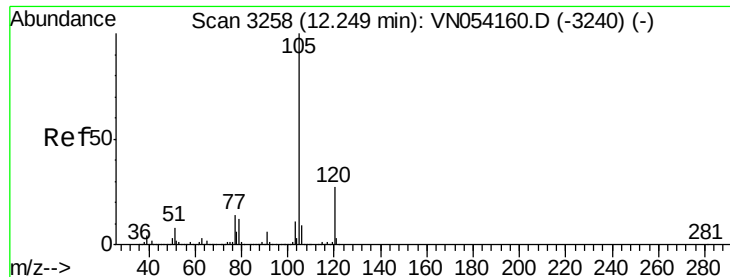
MMDadoda
3/15/2019 10:15:05 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054296.D
Acq: 15 Mar 2019 7:45

Tgt Ion:152 Resp: 1252515
Ion Ratio Lower Upper
152 100
115 65.3 27.2 81.6
150 155.9 0.0 349.2





#73

Isopropylbenzene

Concen: 1.555 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

Instrument :

MSVOA_N

ClientSampled :
30301

Tgt Ion: 105 Resp: 155783

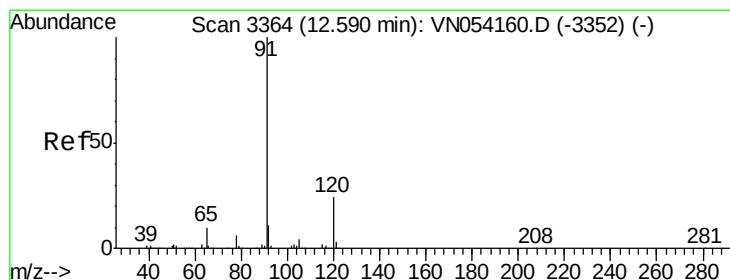
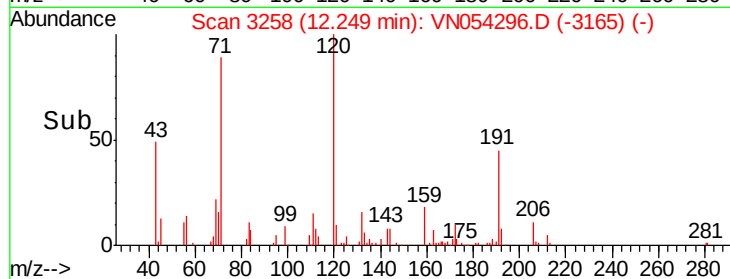
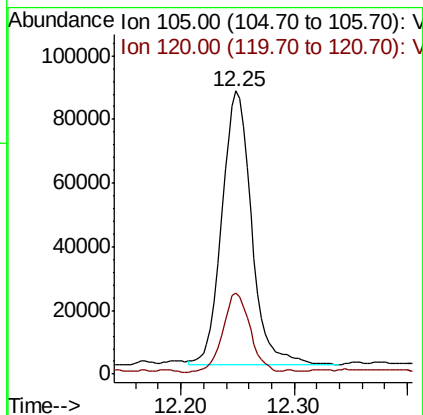
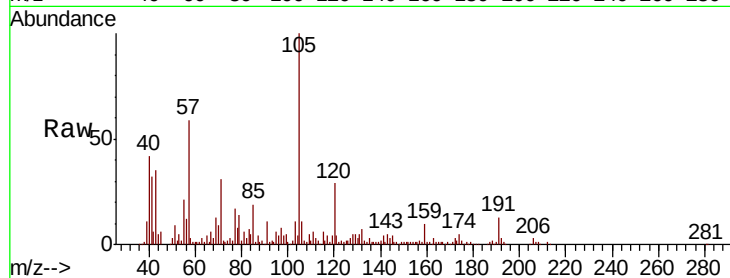
Ion Ratio Lower Upper

105 100

120 26.6 13.8 41.3

Manual Integrations
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#78

n-propylbenzene

Concen: 5.730 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054296.D

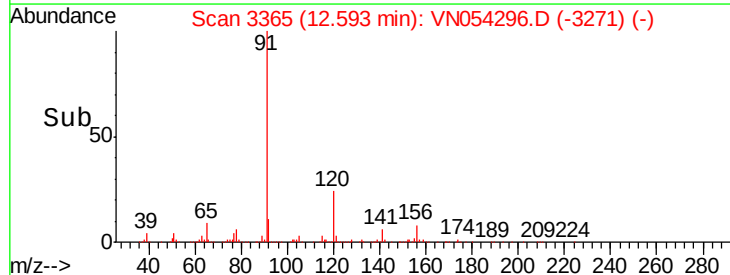
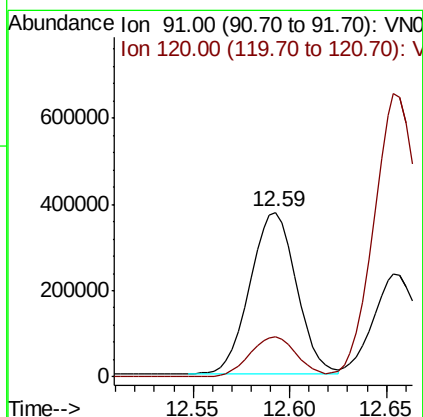
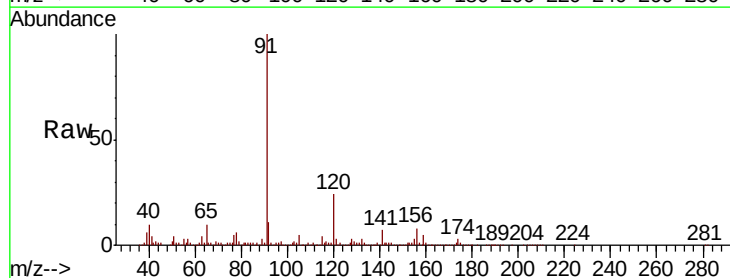
Acq: 15 Mar 2019 7:45

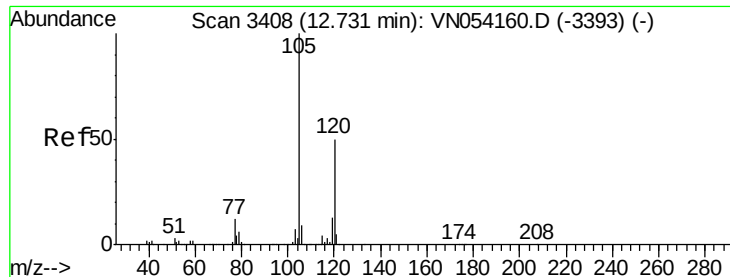
Tgt Ion: 91 Resp: 623092

Ion Ratio Lower Upper

91 100

120 25.1 12.3 36.9





#80

1,3,5-Trimethylbenzene

Concen: 19.478 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

Instrument :

MSVOA_N

ClientSampled :
30301

Tgt Ion:105 Resp: 1623523

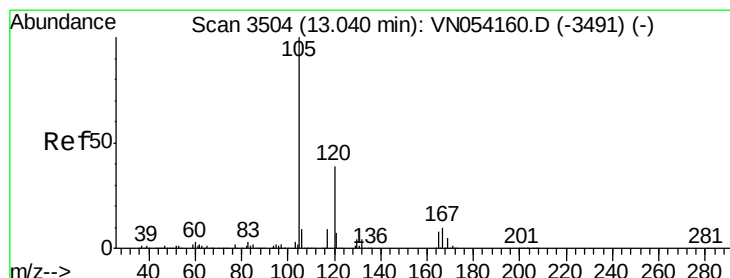
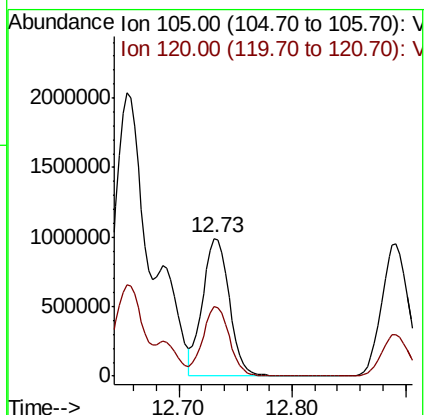
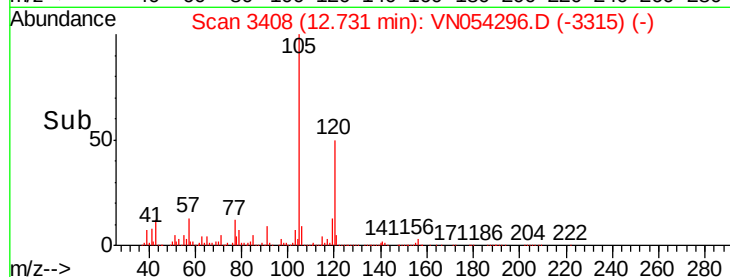
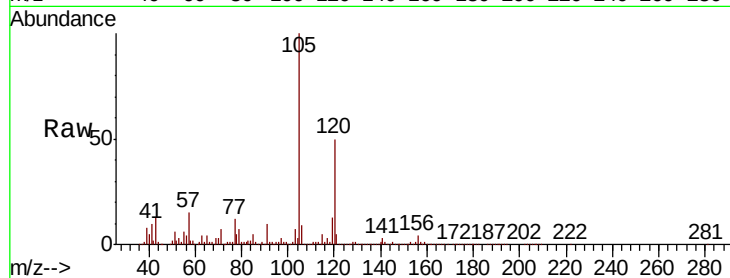
Ion Ratio Lower Upper

105 100

120 49.2 25.0 75.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 85.881 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054296.D

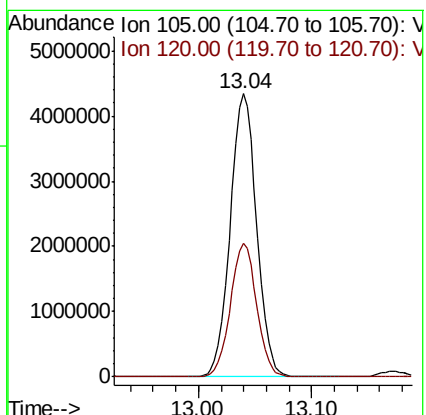
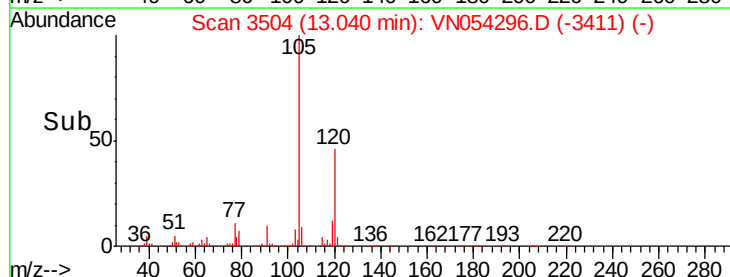
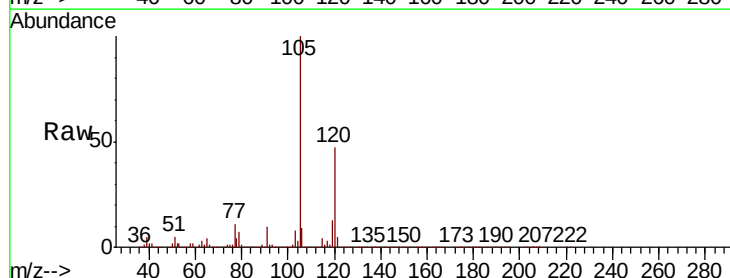
Acq: 15 Mar 2019 7:45

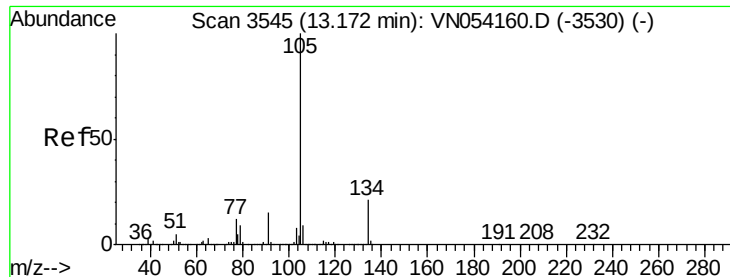
Tgt Ion:105 Resp: 7022760

Ion Ratio Lower Upper

105 100

120 46.9 23.4 70.3





#85

sec-Butylbenzene

Concen: 1.518 ug/l m

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

Instrument :

MSVOA_N

ClientSampled :

30301

Tgt Ion:105 Resp: 151070

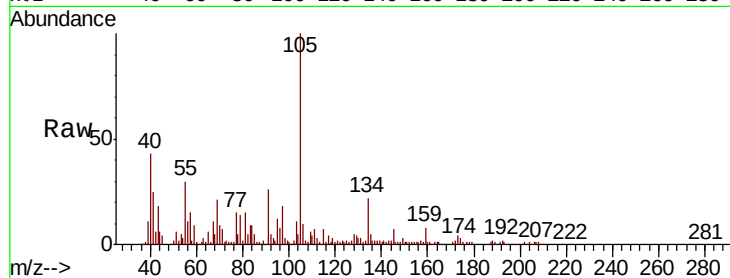
Ion Ratio Lower Upper

105 100

134 0.0 10.7 32.1#

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

80000

60000

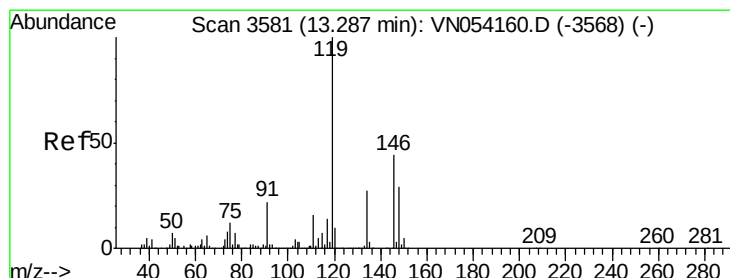
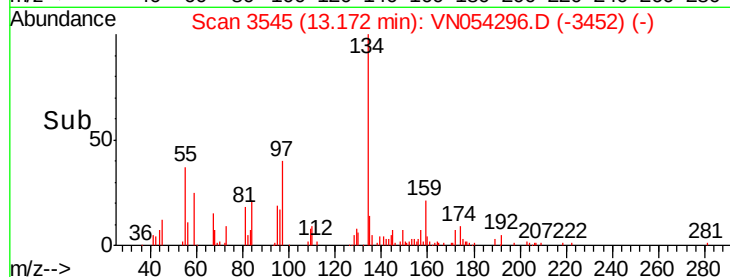
40000

20000

0

13.10 13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 1.341 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

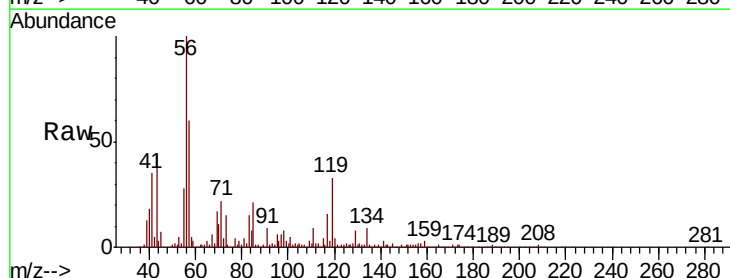
Tgt Ion:119 Resp: 117070

Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.8

91 20.1 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

200000

150000

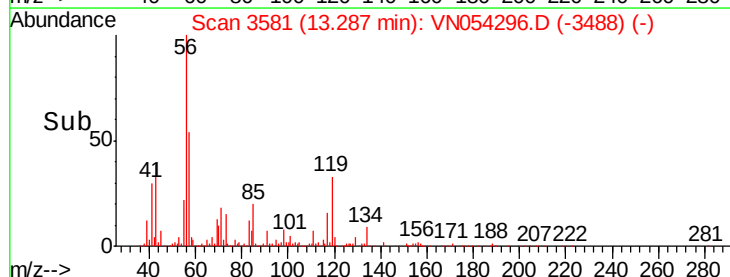
100000

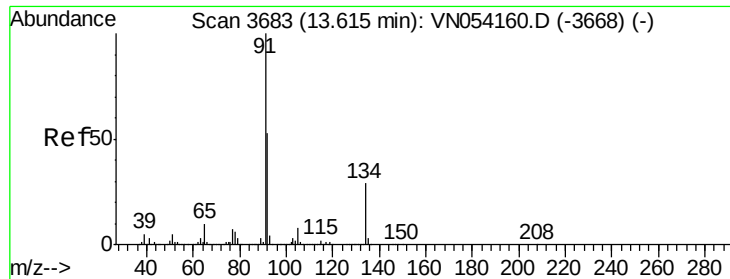
50000

0

13.25 13.30

Time-->





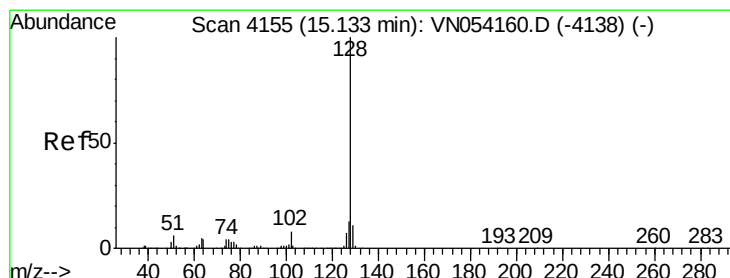
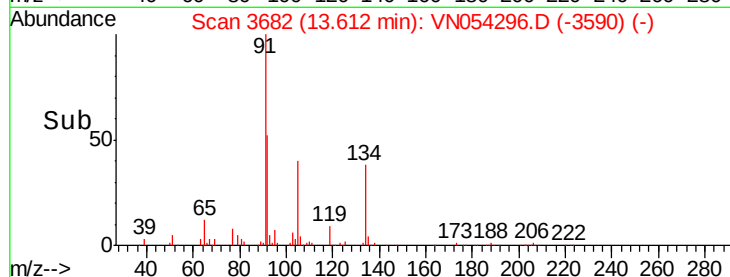
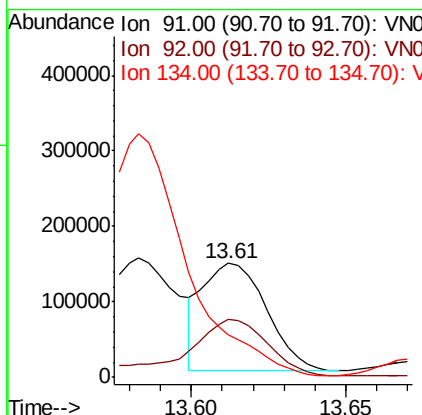
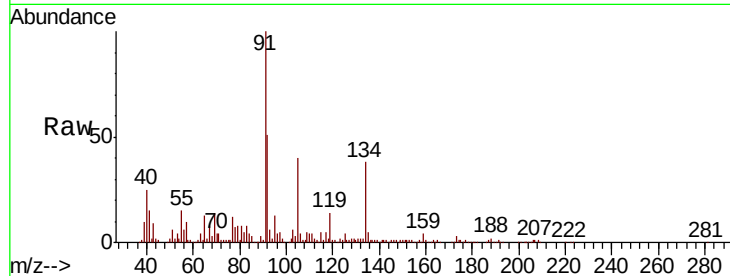
#89
n-Butylbenzene
Concen: 3.080 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054296.D
Acq: 15 Mar 2019 7:45

Instrument :
MSVOA_N
ClientSampled :
30301

Tgt Ion	Ratio	Lower	Upper
91	100		
92	68.8	26.2	78.6
134	0.0	14.3	42.9#

Manual Integrations
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3/15/2019 10:15:05 AM



#95
Naphthalene
Concen: 43.177 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054296.D
Acq: 15 Mar 2019 7:45

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.1	15.1
129	11.4	8.7	13.1

