

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
 Data File : VN057889.D
 Acq On : 11 Sep 2019 1:07
 Operator : JC/SP
 Sample : K4818-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019

Manual Integrations
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MMDadoda
 9/13/2019 7:06:18 AM

Quant Time: Sep 11 05:11:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	274972	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	474423	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	432900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	248806	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	305028	54.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.54%	
35) Dibromofluoromethane	7.58	113	208698	47.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.32%	
50) Toluene-d8	10.09	98	832833	48.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	12.40	95	283522	43.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.52%	
Target Compounds						
					Qvalue	
16) Acetone	3.81	43	24172	13.240	ug/l	92
19) Methyl tert-butyl Ether	5.02	73	63148	5.182	ug/l	100
39) Methylcyclohexane	9.07	83	5728	0.990	ug/l #	82
40) Benzene	8.03	78	11721	0.708	ug/l	100
52) Toluene	10.15	92	12885	1.235	ug/l	100
67) Ethyl Benzene	11.51	91	15381	0.775	ug/l	98
68) m/p-Xylenes	11.62	106	15850	2.179	ug/l	99
69) o-Xylene	11.95	106	10302	1.425	ug/l	93
73) Isopropylbenzene	12.25	105	90844	4.705	ug/l	100
78) n-propylbenzene	12.60	91	169272	7.635	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	21920	1.344	ug/l	96
83) tert-Butylbenzene	13.00	119	8950	0.617	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	99488	6.001	ug/l	100
85) sec-Butylbenzene	13.18	105	65111	3.388	ug/l	87
86) p-Isopropyltoluene	13.29	119	12117	0.716	ug/l	98
89) n-Butylbenzene	13.62	91	36844m	2.304	ug/l	
95) Naphthalene	15.13	128	1979618	138.702	ug/l	99

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

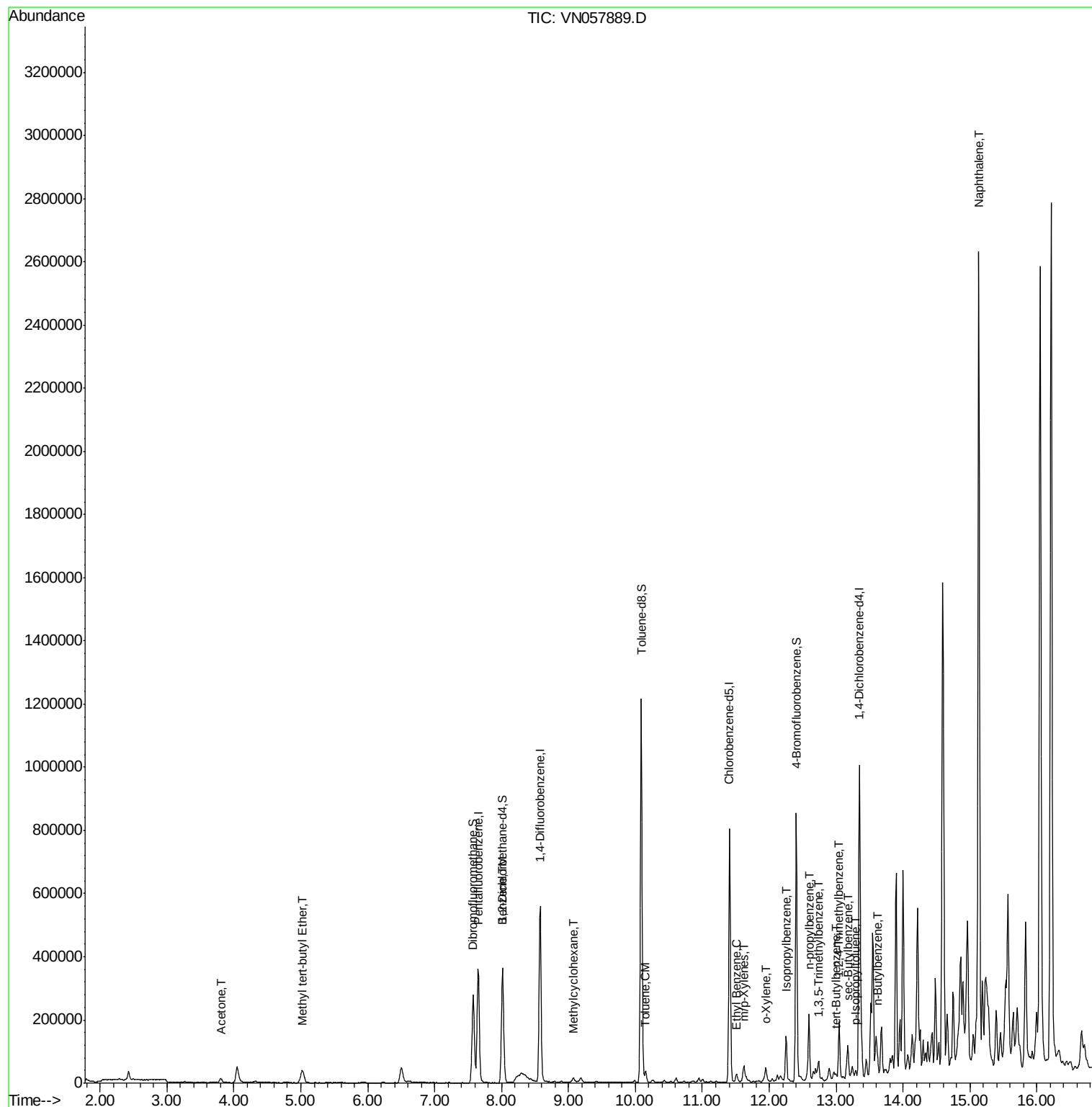
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
Data File : VN057889.D
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Operator : JC/SP
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ALS Vial : 30 Sample Multiplier: 1

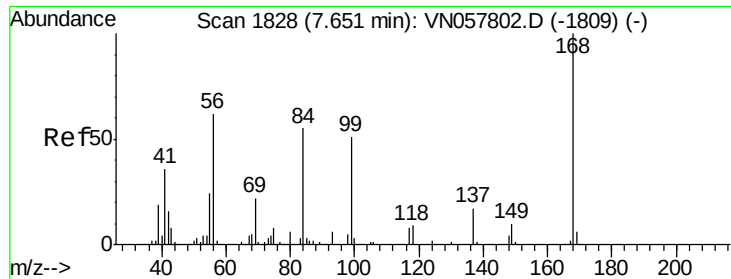
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019

Manual Integrations
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Quant Time: Sep 11 05:11:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057889.D

Acq: 11 Sep 2019 1:07

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019

Tgt Ion: 168 Resp: 274972

Ion Ratio Lower Upper

168 100

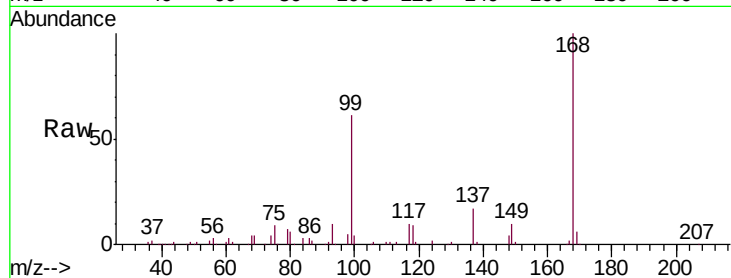
99 61.3 48.0 72.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

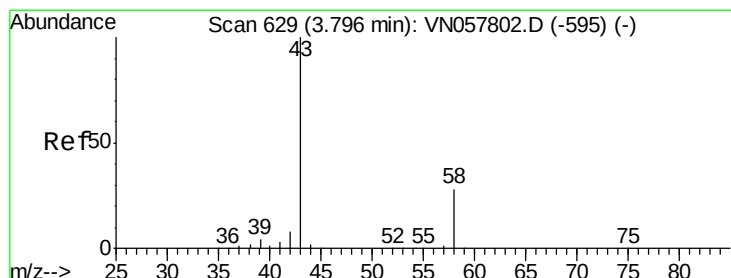
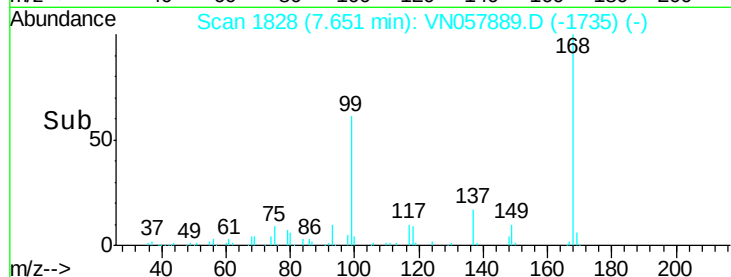
7.65

100000

50000

0

Time-->



#16

Acetone

Concen: 13.240 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN057889.D

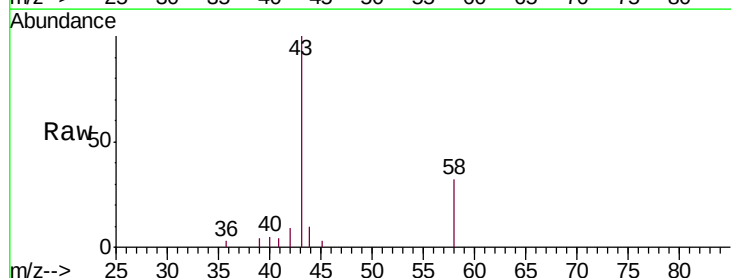
Acq: 11 Sep 2019 1:07

Tgt Ion: 43 Resp: 24172

Ion Ratio Lower Upper

43 100

58 32.1 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.81

8000

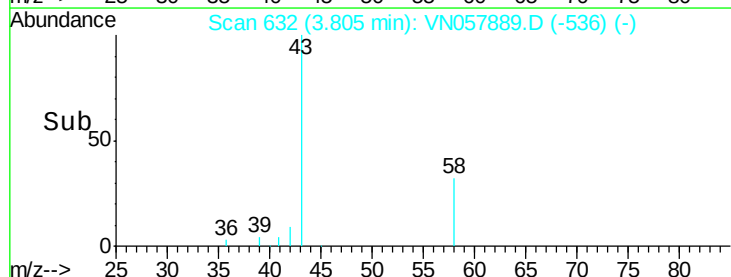
6000

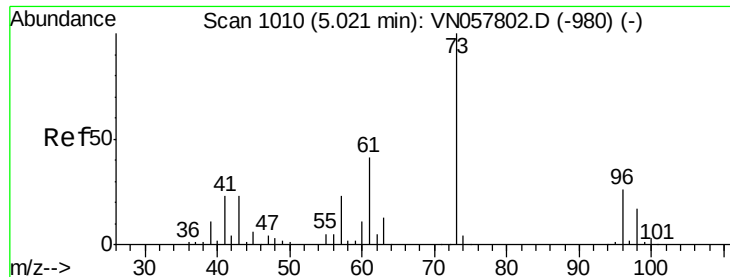
4000

2000

0

Time-->





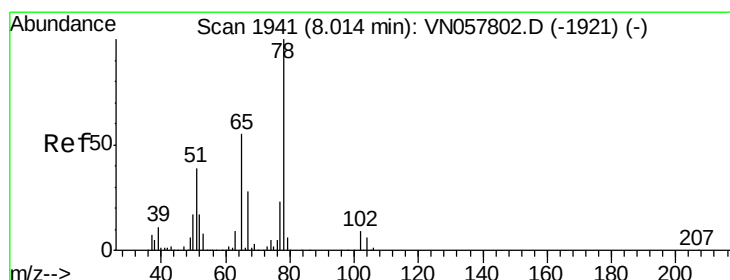
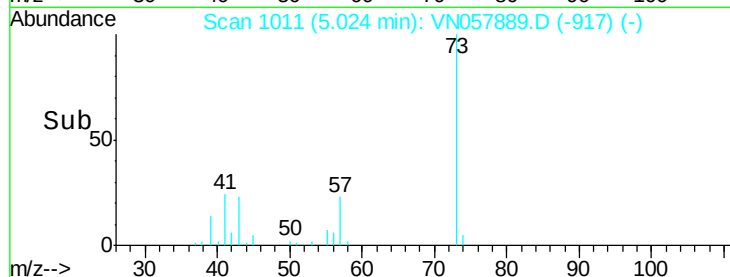
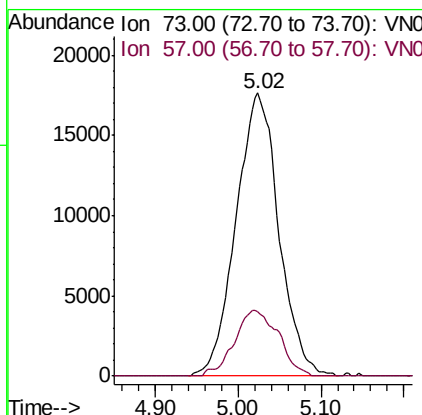
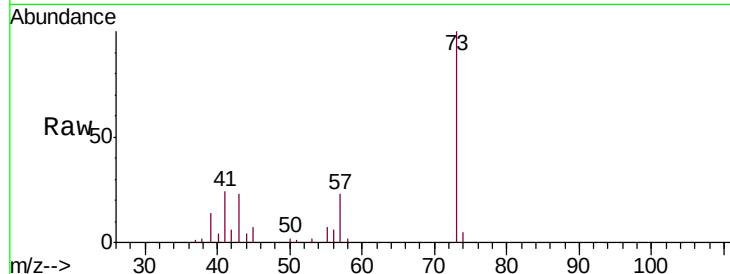
#19
Methyl tert-butyl Ether
Concen: 5.182 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN057889.D
Acq: 11 Sep 2019 1:07

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019

Tgt Ion: 73 Resp: 63148
Ion Ratio Lower Upper
73 100
57 22.7 18.2 27.2

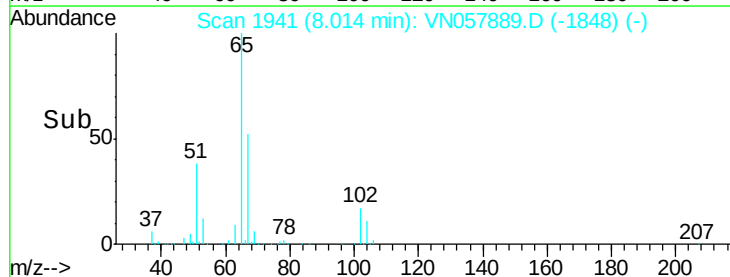
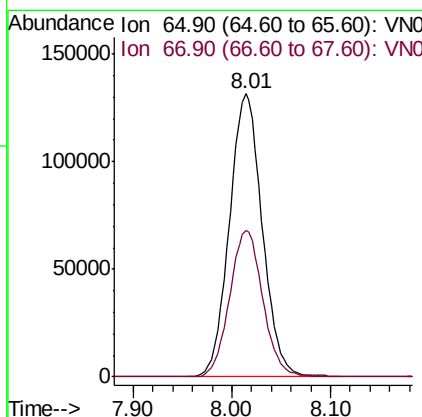
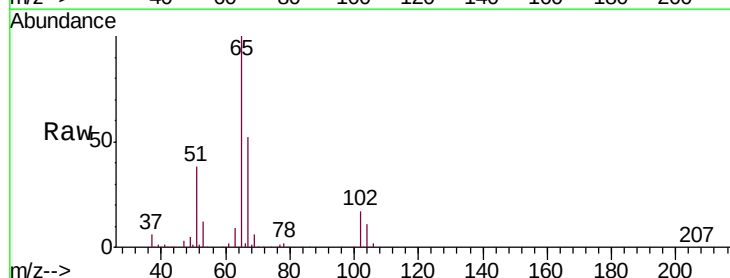
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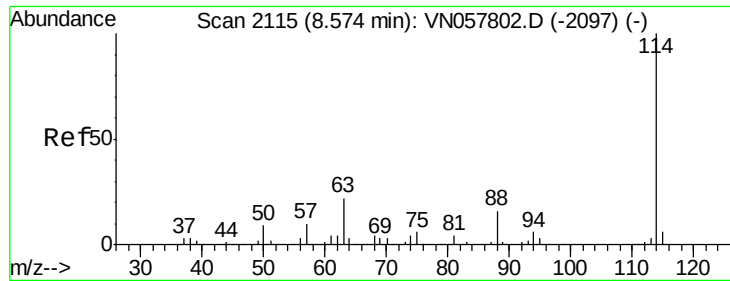
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#33
1,2-Dichloroethane-d4
Concen: 54.769 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN057889.D
Acq: 11 Sep 2019 1:07

Tgt Ion: 65 Resp: 305028
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.0





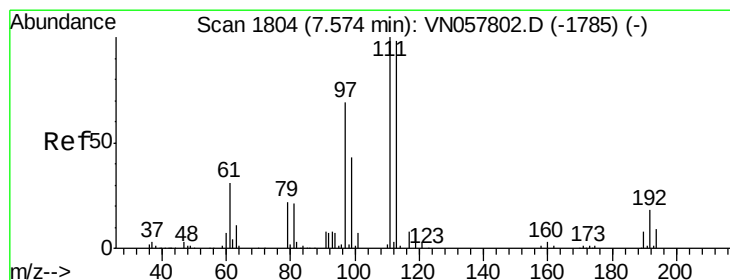
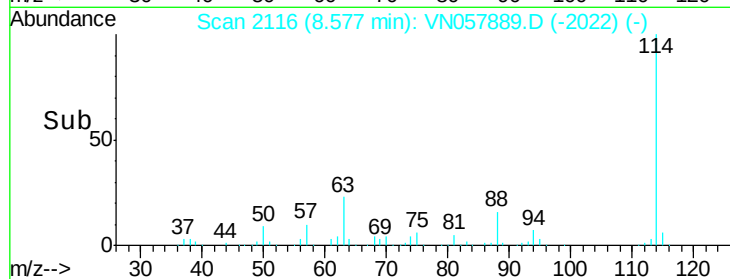
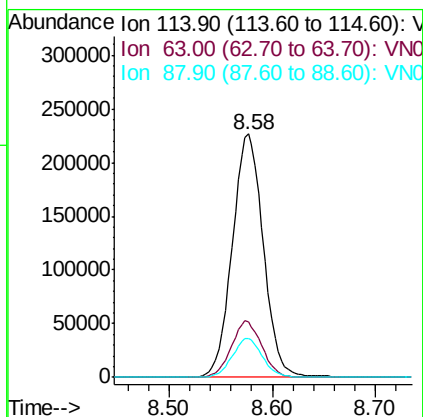
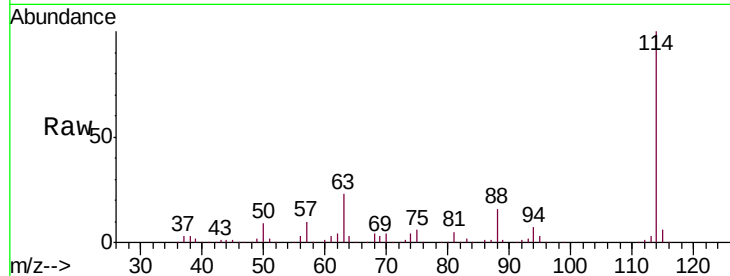
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057889.D
 Acq: 11 Sep 2019 1:07

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	474423		
63	22.8	0.0	44.0	
88	16.1	0.0	31.4	

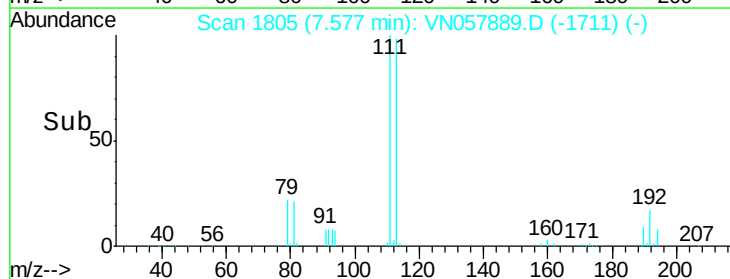
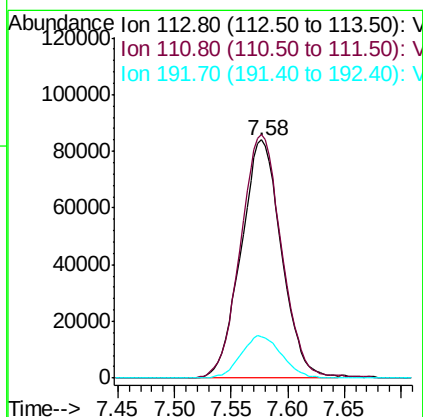
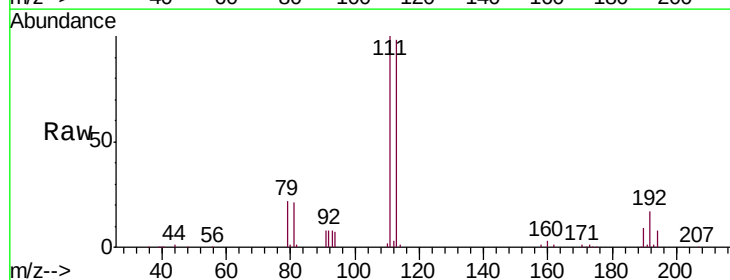
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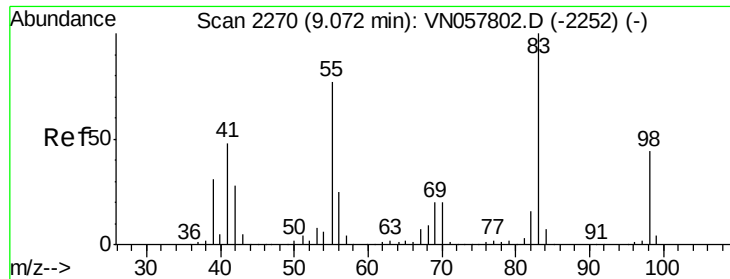
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#35
 Dibromofluoromethane
 Concen: 47.662 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057889.D
 Acq: 11 Sep 2019 1:07

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	208698		
111	103.9	81.3	121.9	
192	17.8	14.6	22.0	





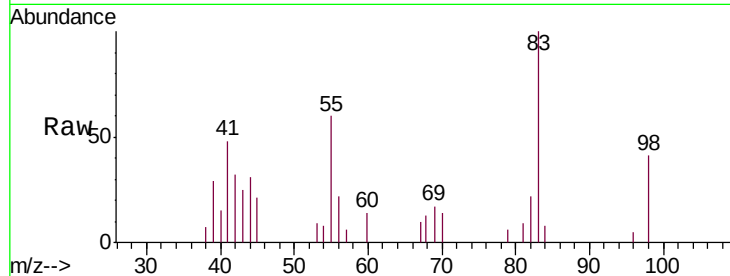
#39
Methylcyclohexane
Concen: 0.990 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057889.D
Acq: 11 Sep 2019 1:07

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019

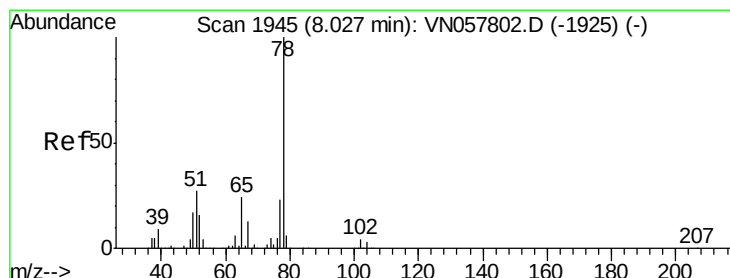
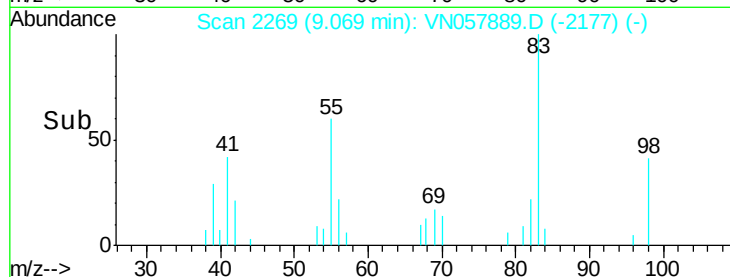
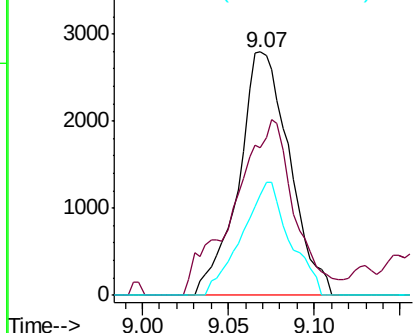
Tgt Ion	Ratio	Lower	Upper
83	100		
55	54.1	61.6	92.4#
98	41.4	34.9	52.3

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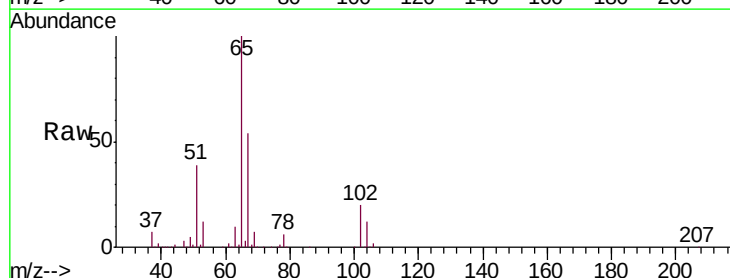


Abundance Ion 83.00 (82.70 to 83.70): VN057802.D (-2252) (-)
Ion 55.00 (54.70 to 55.70): VN057802.D (-2252) (-)
Ion 98.00 (97.70 to 98.70): VN057802.D (-2252) (-)

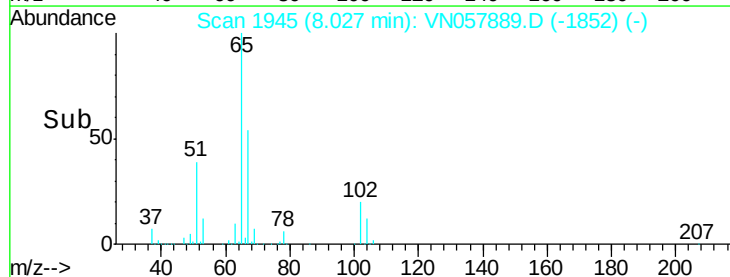
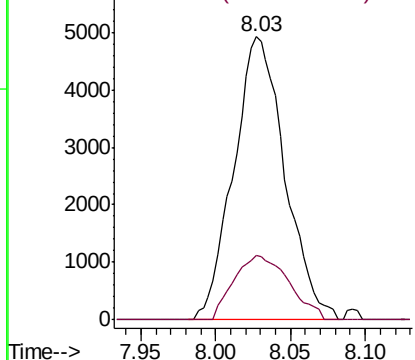


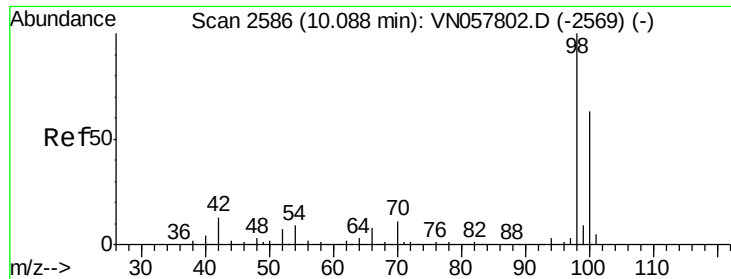
#40
Benzene
Concen: 0.708 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057889.D
Acq: 11 Sep 2019 1:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.3	27.5



Abundance Ion 78.00 (77.70 to 78.70): VN057802.D (-1925) (-)
Ion 77.00 (76.70 to 77.70): VN057802.D (-1925) (-)





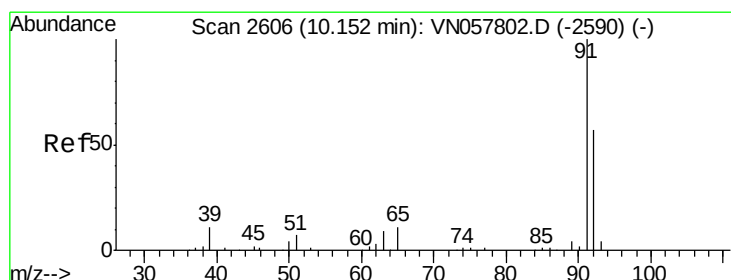
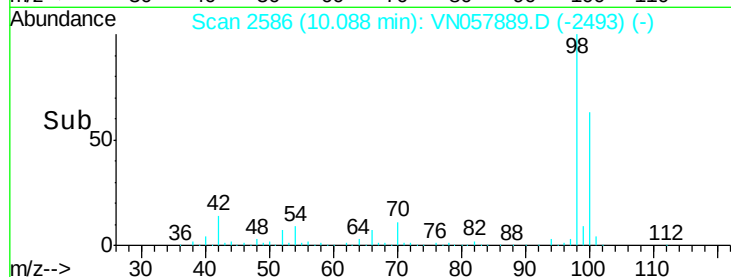
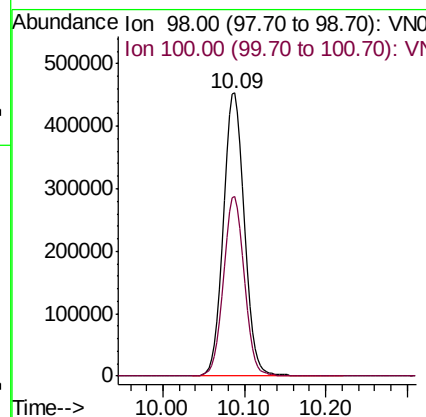
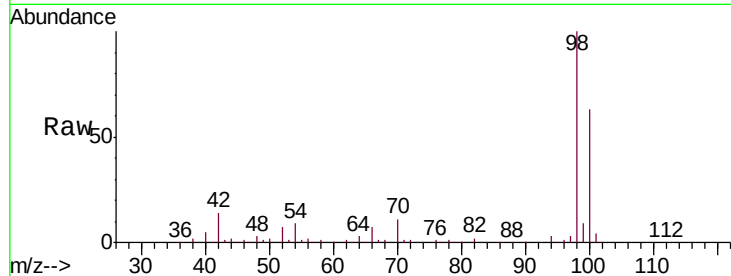
#50
Toluene-d8
Concen: 48.988 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057889.D
Acq: 11 Sep 2019 1:07

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019

Tgt Ion: 98 Resp: 832833
Ion Ratio Lower Upper
98 100
100 62.8 50.3 75.5

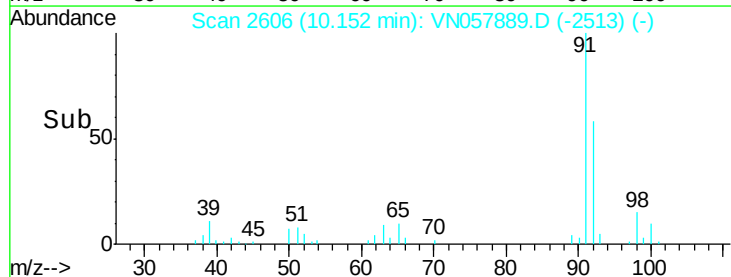
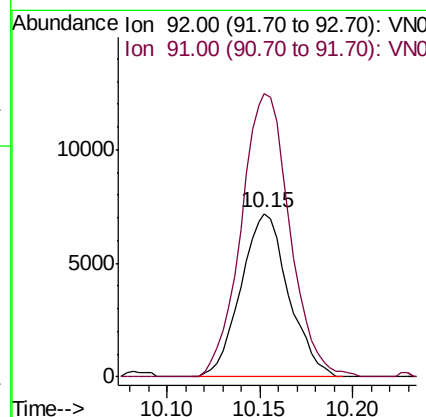
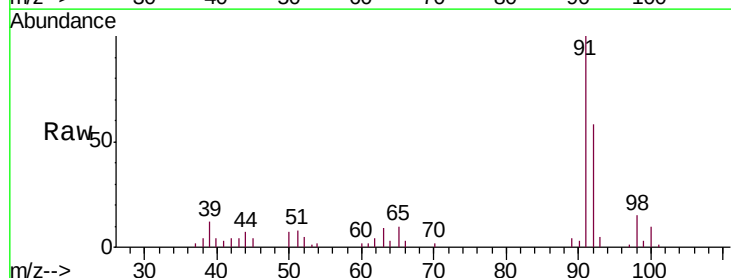
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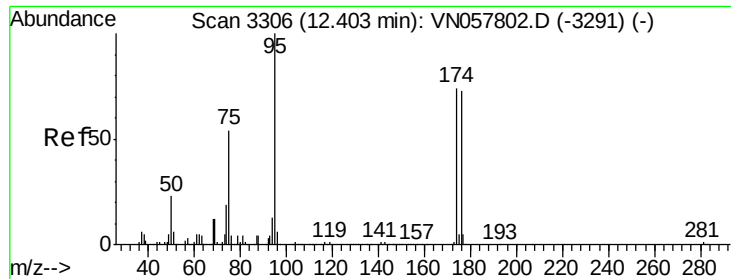
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#52
Toluene
Concen: 1.235 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN057889.D
Acq: 11 Sep 2019 1:07

Tgt Ion: 92 Resp: 12885
Ion Ratio Lower Upper
92 100
91 176.8 141.0 211.6





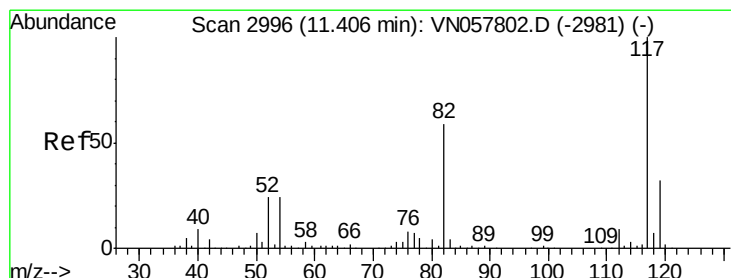
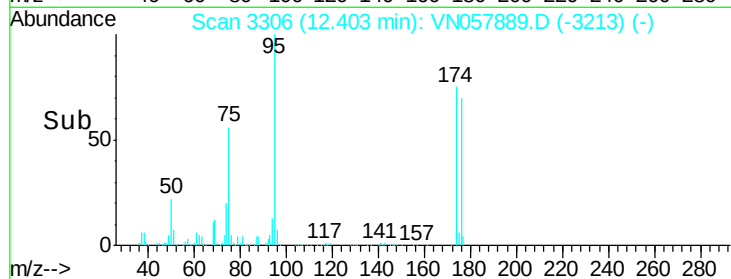
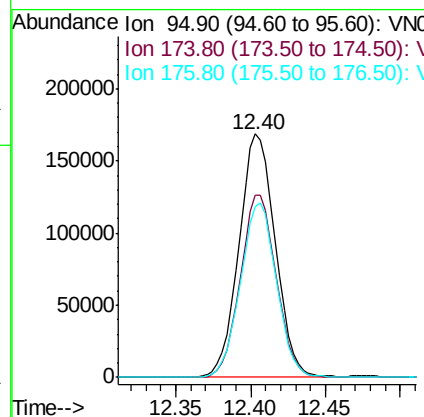
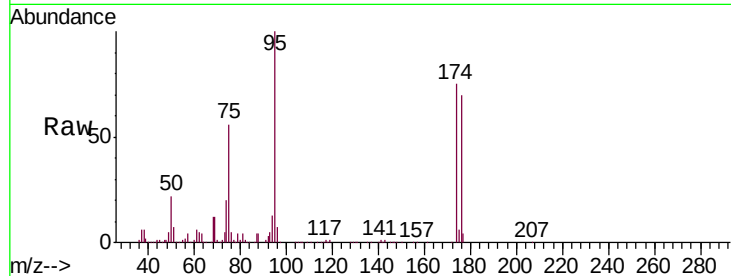
#62
4-Bromofluorobenzene
Concen: 43.762 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057889.D
Acq: 11 Sep 2019 1:07

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	283522		
174	74.5	0.0	150.2	
176	71.6	0.0	146.0	

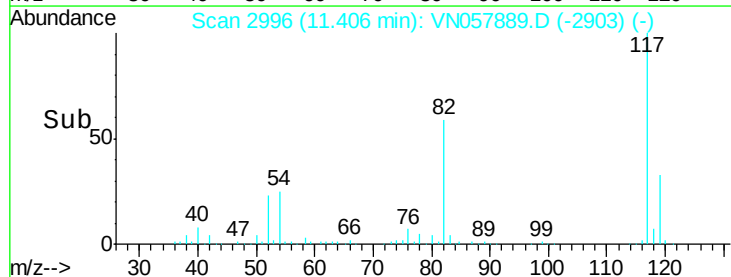
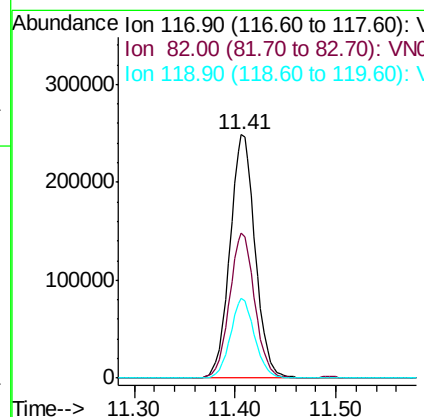
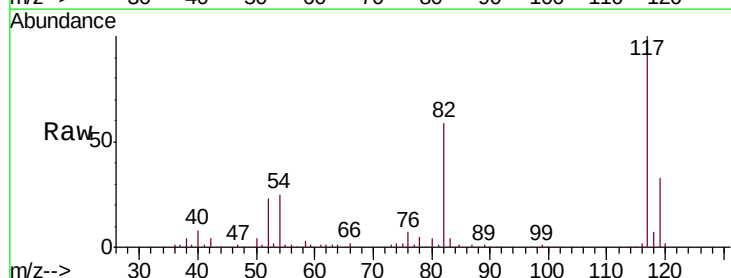
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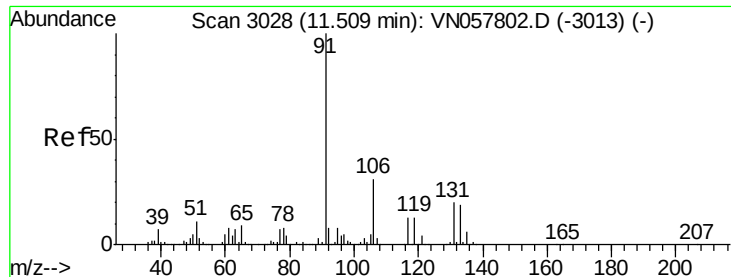
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9/13/2019 7:06:18 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057889.D
Acq: 11 Sep 2019 1:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	432900		
82	59.4	47.2	70.8	
119	32.7	25.3	37.9	





#67

Ethyl Benzene

Concen: 0.775 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN057889.D

Acq: 11 Sep 2019 1:07

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019

Tgt Ion: 91 Resp: 15381

Ion Ratio Lower Upper

91 100

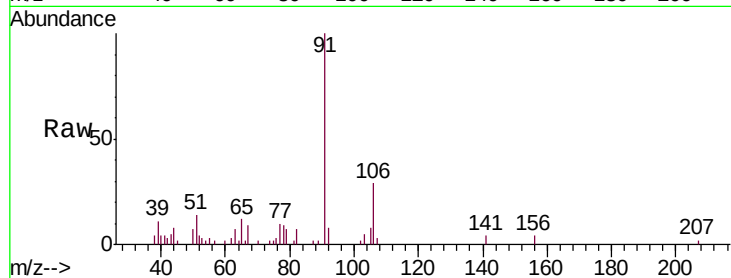
106 29.4 24.4 36.6

Manual Integrations

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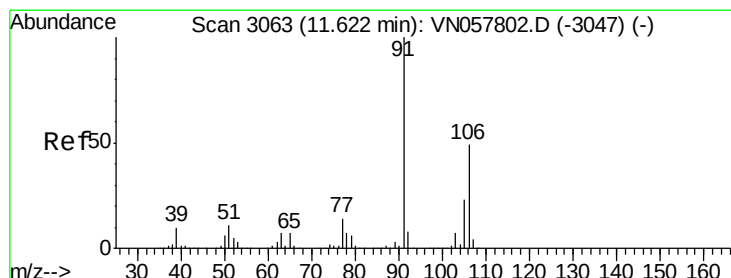
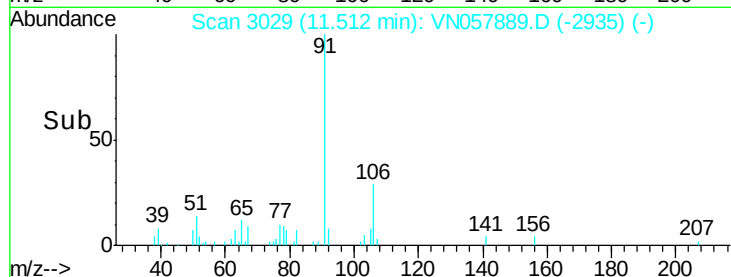
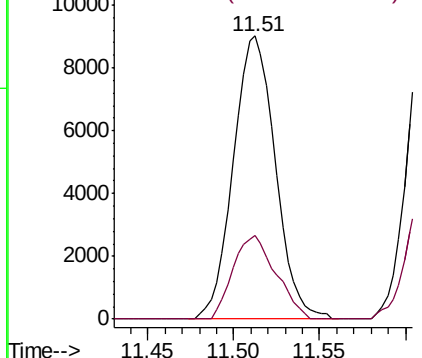
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Abundance Ion 91.00 (90.70 to 91.70): VN057802.D (-3013) (-)

Ion 106.00 (105.70 to 106.70): VN057802.D (-3013) (-)



#68

m/p-Xylenes

Concen: 2.179 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN057889.D

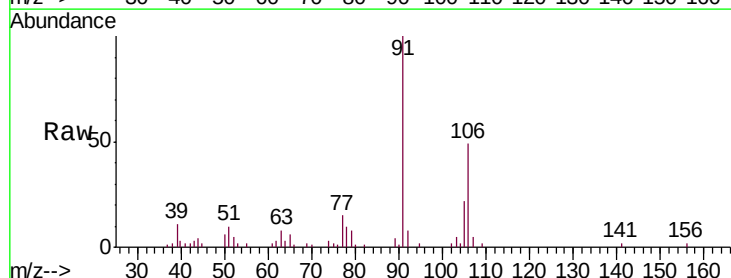
Acq: 11 Sep 2019 1:07

Tgt Ion: 106 Resp: 15850

Ion Ratio Lower Upper

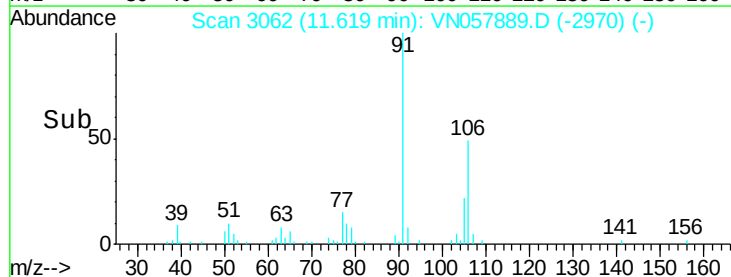
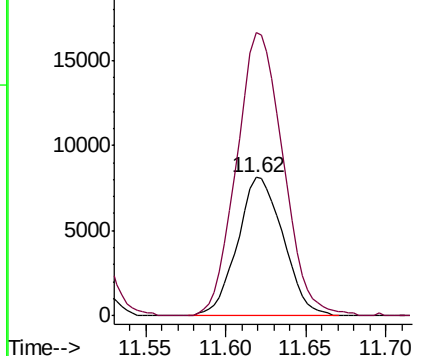
106 100

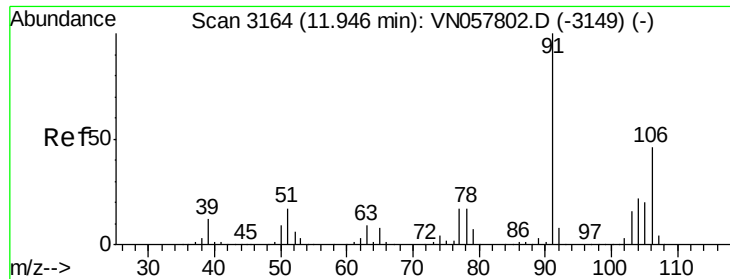
91 208.7 165.8 248.6



Abundance Ion 106.00 (105.70 to 106.70): VN057802.D (-3047) (-)

Ion 91.00 (90.70 to 91.70): VN057802.D (-3047) (-)





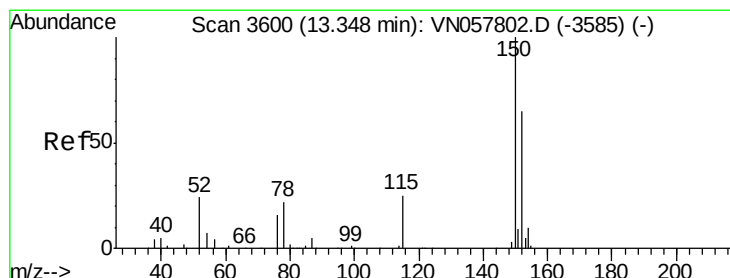
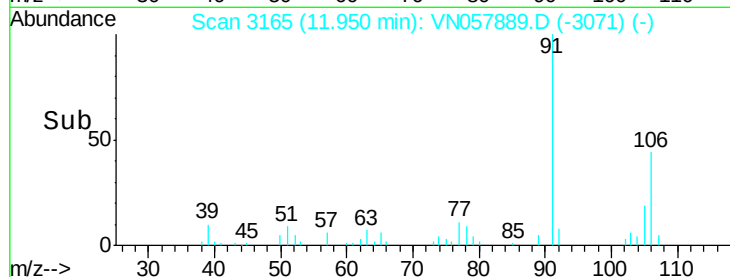
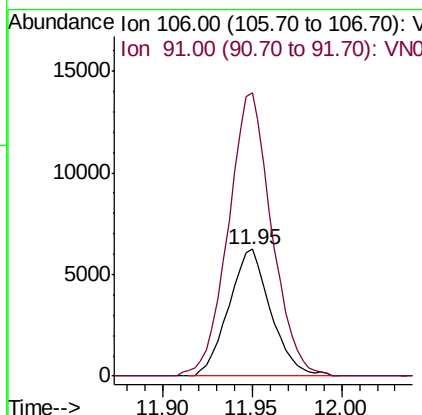
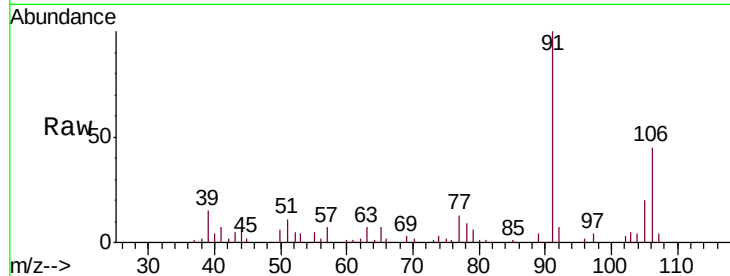
#69
o-Xylene
Concen: 1.425 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057889.D
Acq: 11 Sep 2019 1:07

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019

Tgt Ion:106 Resp: 10302
Ion Ratio Lower Upper
106 100
91 228.9 108.7 326.1

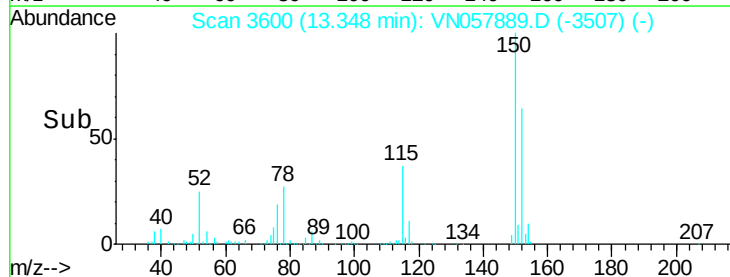
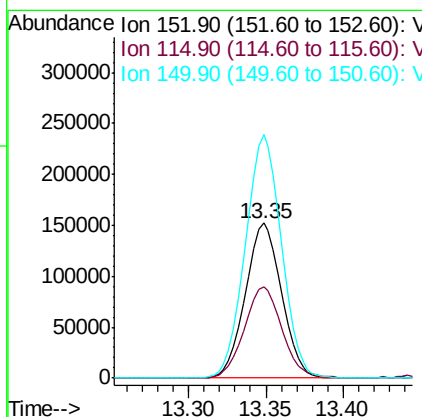
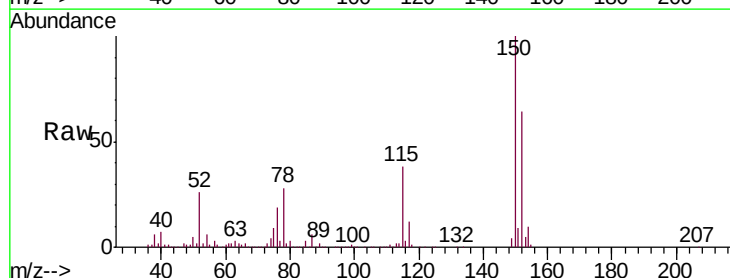
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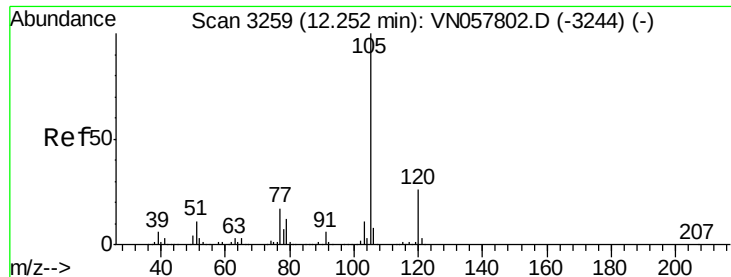
MMDadoda
9/13/2019 7:06:18 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057889.D
Acq: 11 Sep 2019 1:07

Tgt Ion:152 Resp: 248806
Ion Ratio Lower Upper
152 100
115 60.5 30.3 91.0
150 156.5 0.0 352.4





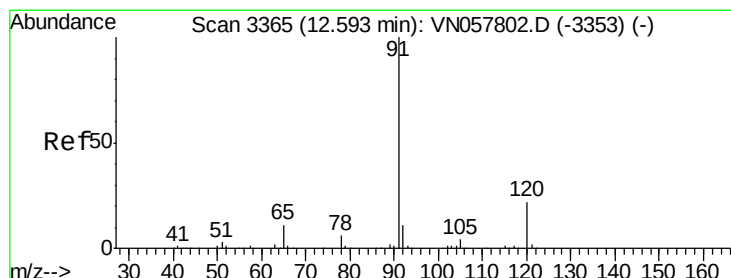
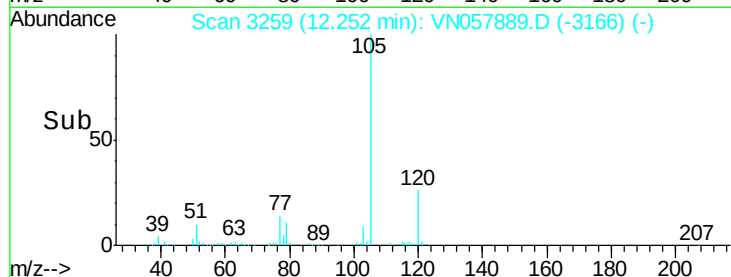
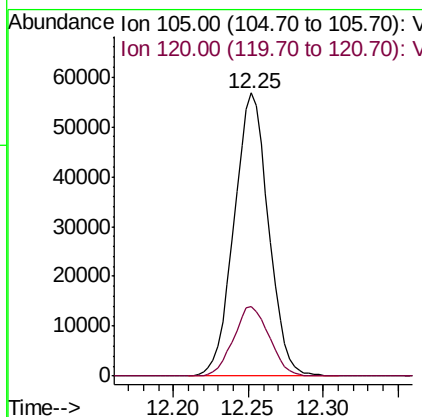
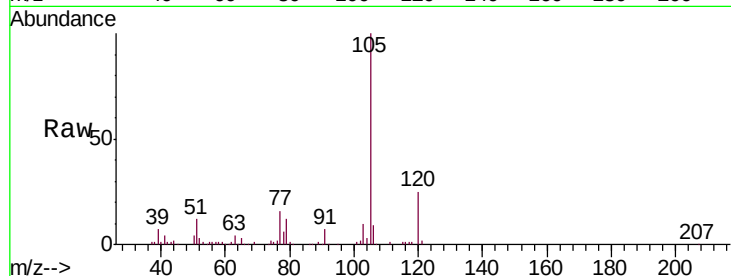
#73
Isopropylbenzene
Concen: 4.705 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN057889.D
Acq: 11 Sep 2019 1:07

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019

Tgt Ion: 105 Resp: 90844
Ion Ratio Lower Upper
105 100
120 25.5 12.8 38.4

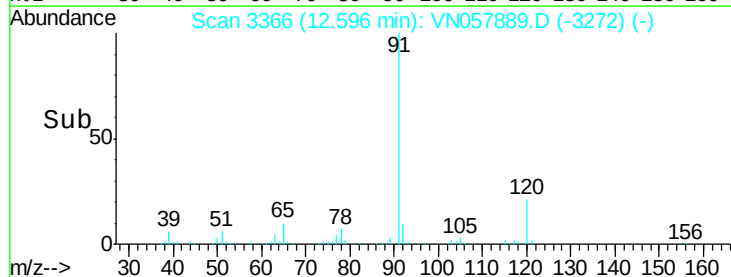
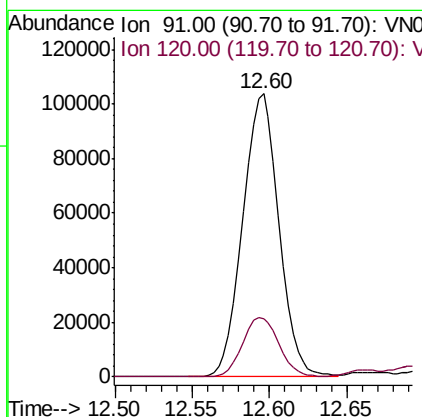
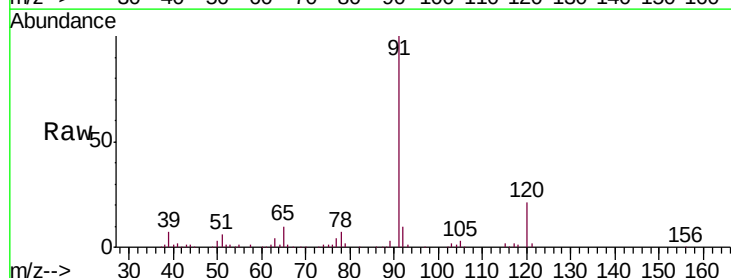
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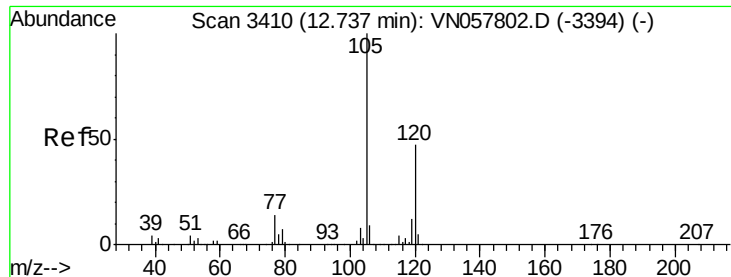
MMDadoda
9/13/2019 7:06:18 AM



#78
n-propylbenzene
Concen: 7.635 ug/l
RT: 12.60 min Scan# 3366
Delta R.T. 0.00 min
Lab File: VN057889.D
Acq: 11 Sep 2019 1:07

Tgt Ion: 91 Resp: 169272
Ion Ratio Lower Upper
91 100
120 21.1 11.1 33.1





#80

1,3,5-Trimethylbenzene

Concen: 1.344 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057889.D

Acq: 11 Sep 2019 1:07

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019

Tgt Ion:105 Resp: 21920

Ion Ratio Lower Upper

105 100

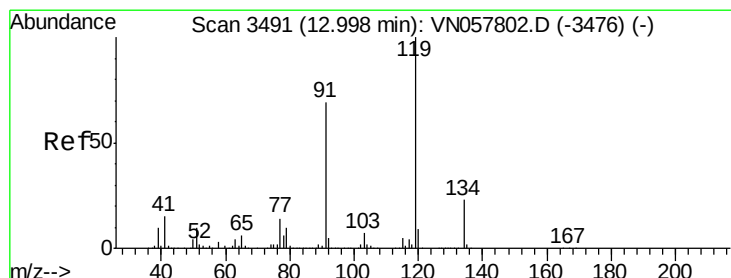
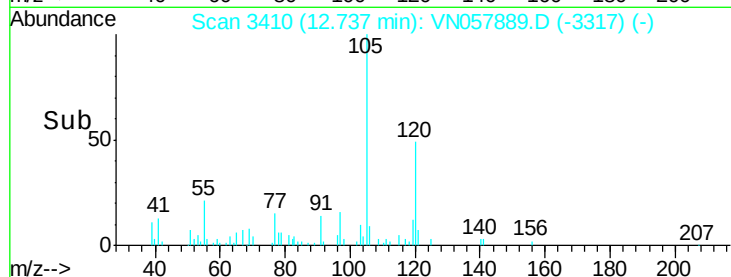
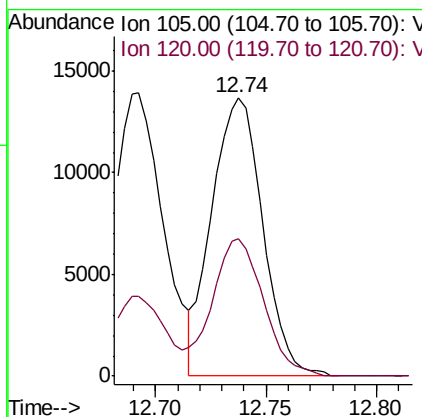
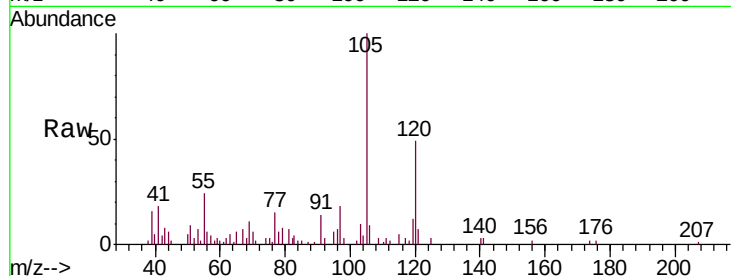
120 50.2 23.7 71.1

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#83

tert-Butylbenzene

Concen: 0.617 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN057889.D

Acq: 11 Sep 2019 1:07

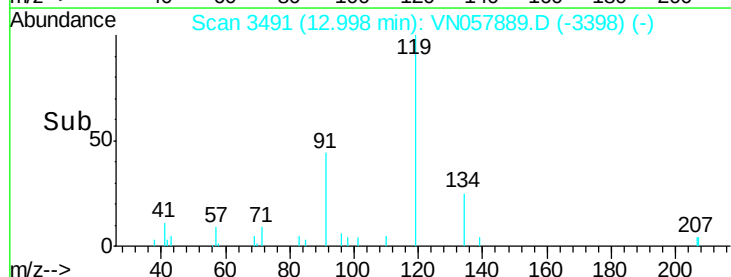
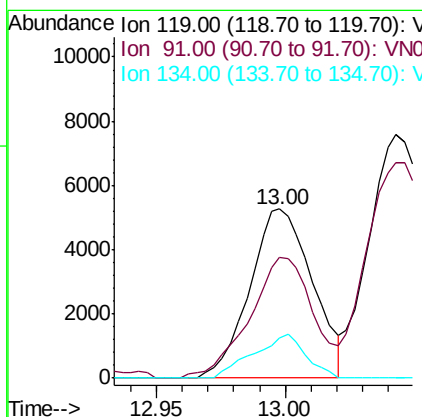
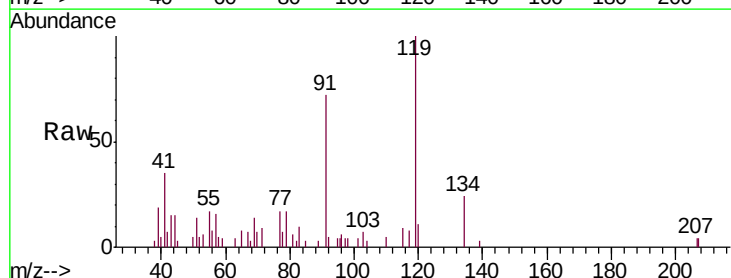
Tgt Ion:119 Resp: 8950

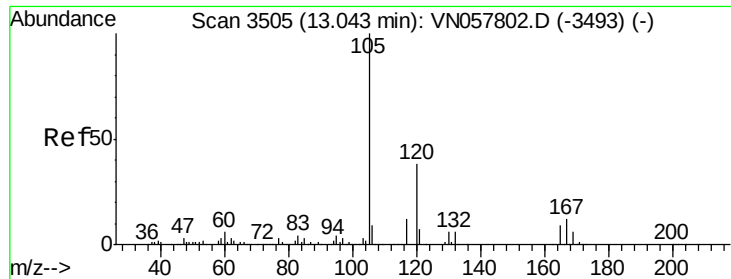
Ion Ratio Lower Upper

119 100

91 72.3 33.6 100.8

134 21.5 11.7 35.0





#84

1,2,4-Trimethylbenzene

Concen: 6.001 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN057889.D

Acq: 11 Sep 2019 1:07

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019

Tgt Ion:105 Resp: 99488

Ion Ratio Lower Upper

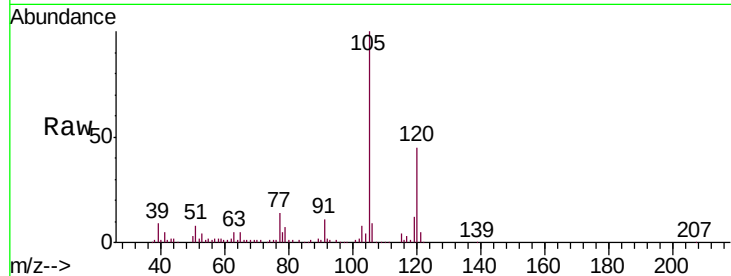
105 100

120 44.7 22.4 67.2

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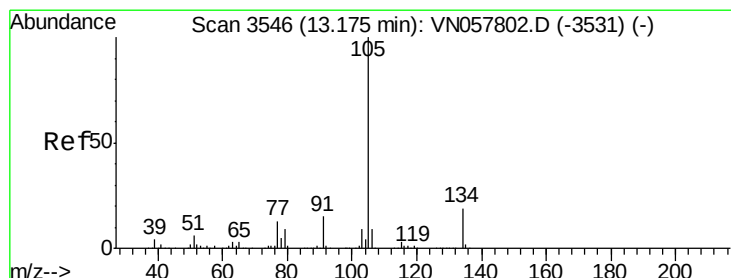
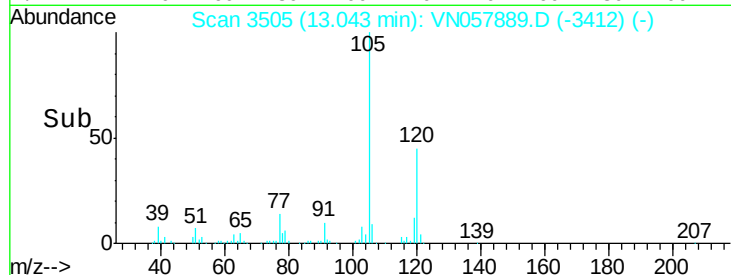
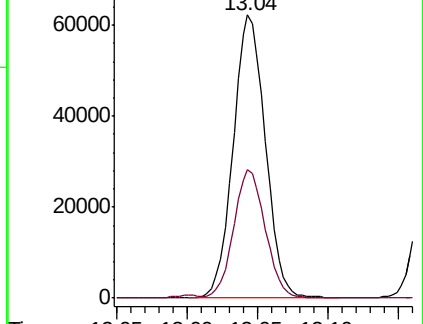
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 3.388 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN057889.D

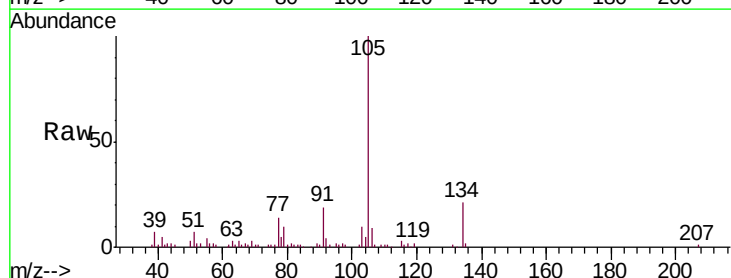
Acq: 11 Sep 2019 1:07

Tgt Ion:105 Resp: 65111

Ion Ratio Lower Upper

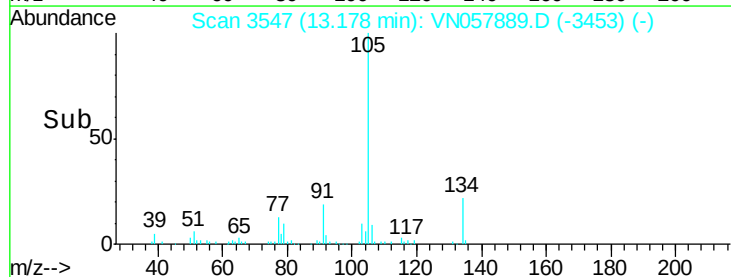
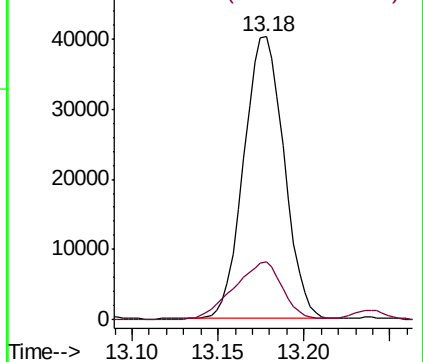
105 100

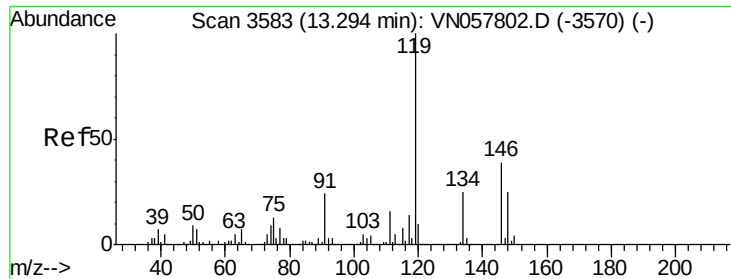
134 25.1 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





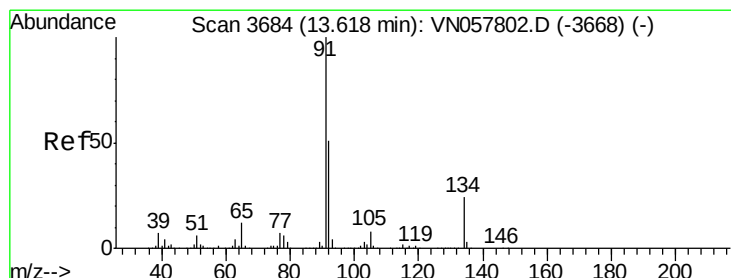
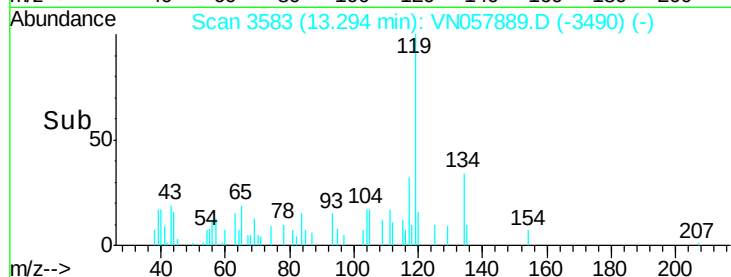
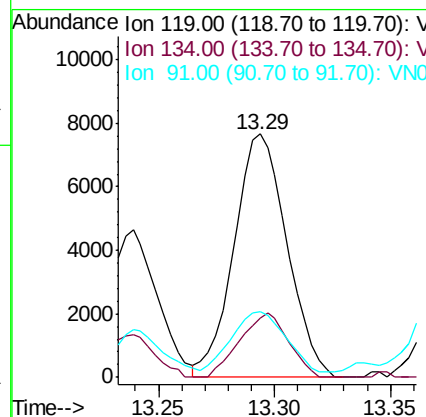
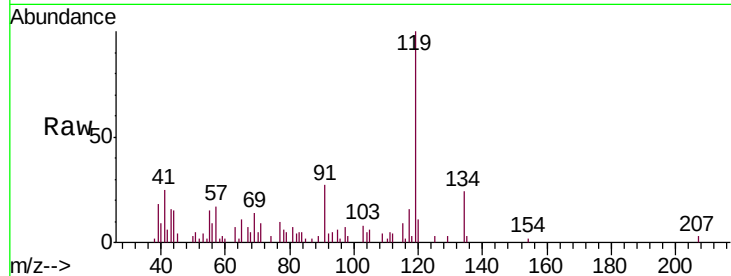
#86
 p-Isopropyltoluene
 Concen: 0.716 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN057889.D
 Acq: 11 Sep 2019 1:07

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.3	12.5	37.5
91	26.0	12.3	36.8

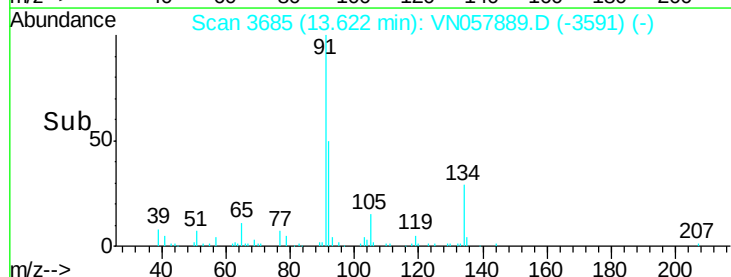
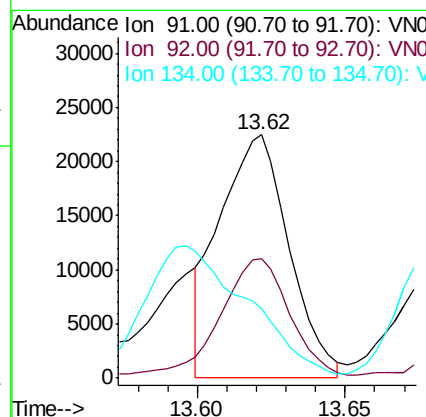
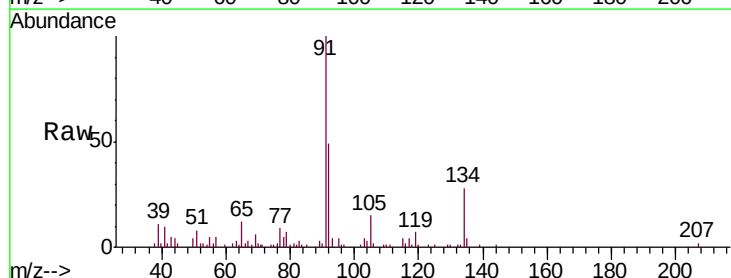
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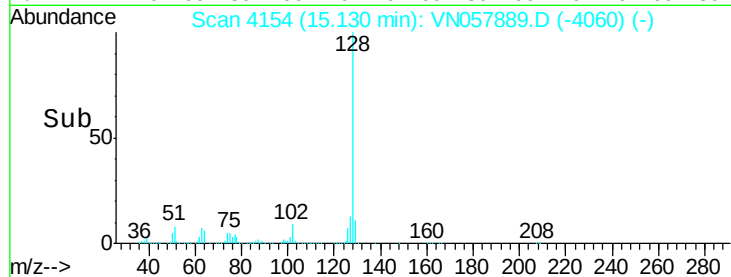
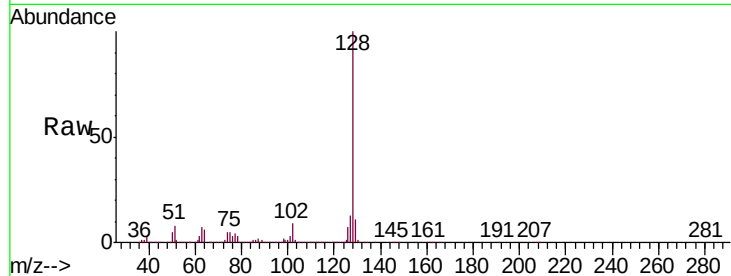
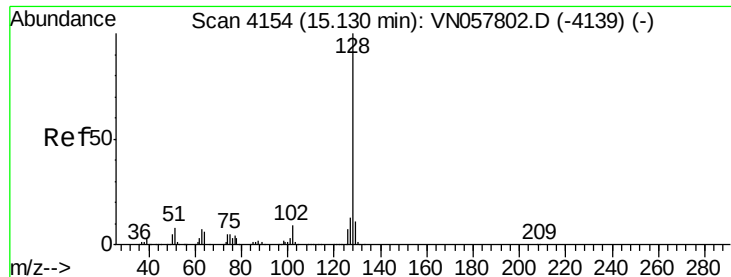
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 9/13/2019 7:06:18 AM



#89
 n-Butylbenzene
 Concen: 2.304 ug/l m
 RT: 13.62 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN057889.D
 Acq: 11 Sep 2019 1:07

Tgt Ion	Ratio	Lower	Upper
91	100		
92	47.8	25.7	77.0
134	0.0	11.9	35.7#





#95
Naphthalene
Concen: 138.702 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057889.D
Acq: 11 Sep 2019 1:07

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	10.8	8.6	12.8

Manual Integrations
APPROVED

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9/13/2019 7:06:18 AM

