

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121918\
 Data File : VN053030.D
 Acq On : 20 Dec 2018 00:36
 Operator : MD\SY
 Sample : J6411-03 10X
 Misc : 6.03g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 37 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-I(12-13FT)1218

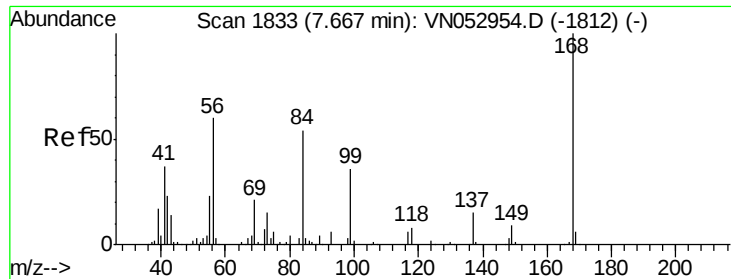
Manual Integrations
 APPROVED

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 12/20/2018 9:33:00 AM

Quant Time: Jan 04 16:05:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1392196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2102526	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1909149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	834541	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	661122	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	
35) Dibromofluoromethane	7.59	113	532978	55.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.98%	
50) Toluene-d8	10.09	98	2625642	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
62) 4-Bromofluorobenzene	12.40	95	1139531	62.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.92%	
Target Compounds						
67) Ethyl Benzene	11.51	91	540348	7.424	ug/l	100
68) m/p-Xylenes	11.63	106	62795	2.270	ug/l #	64
69) o-Xylene	11.95	106	53136	2.001	ug/l	43
73) Isopropylbenzene	12.25	105	3106325	47.573	ug/l	100
78) n-propylbenzene	12.59	91	8356650	112.372	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	4634617	87.082	ug/l	98
83) tert-Butylbenzene	12.99	119	534022	11.345	ug/l	94
84) 1,2,4-Trimethylbenzene	13.03	105	19625184m	366.808	ug/l	
85) sec-Butylbenzene	13.17	105	4494804	70.600	ug/l #	74
86) p-Isopropyltoluene	13.29	119	3854404	70.064	ug/l	100
89) n-Butylbenzene	13.62	91	4327849m	91.443	ug/l	
95) Naphthalene	15.13	128	267486	9.112	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

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MSVOA_N

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Tgt Ion:168 Resp: 1392196

Ion Ratio Lower Upper

168 100

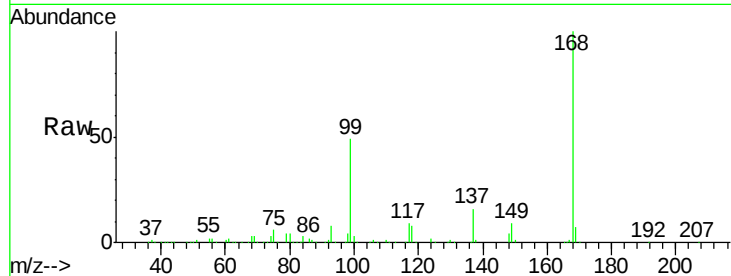
99 49.4 40.2 60.2

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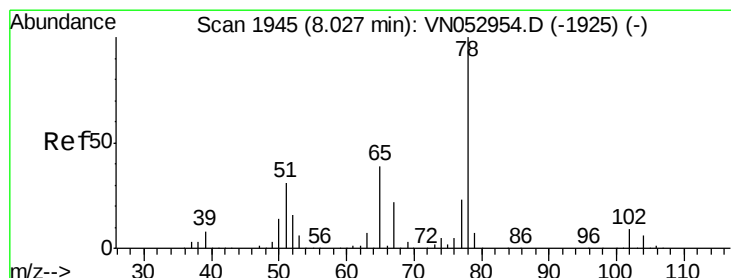
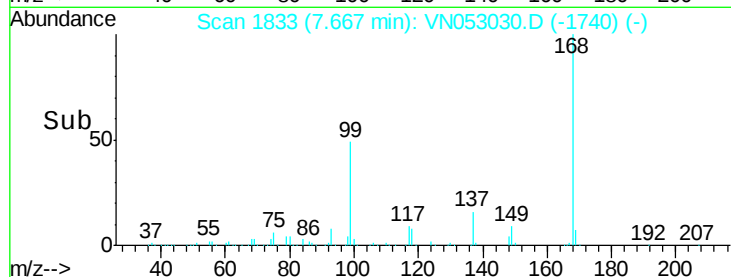
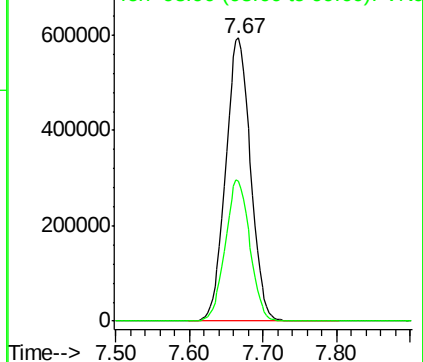
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053030.D

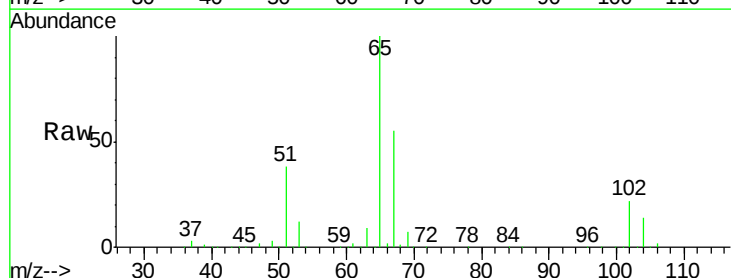
Acq: 20 Dec 2018 00:36

Tgt Ion: 65 Resp: 661122

Ion Ratio Lower Upper

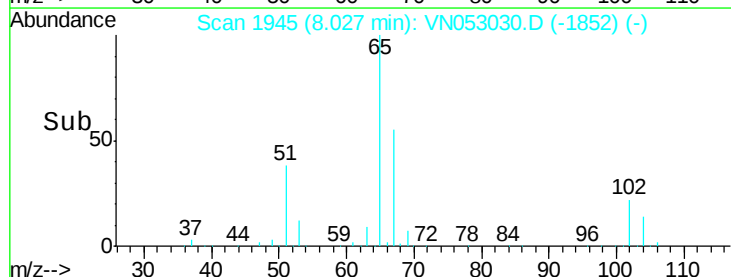
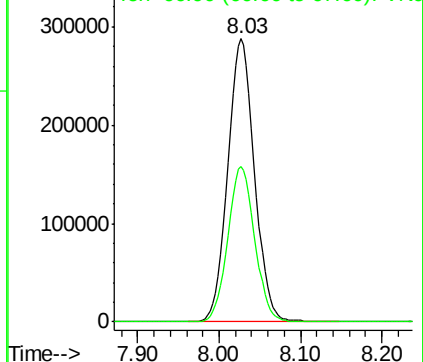
65 100

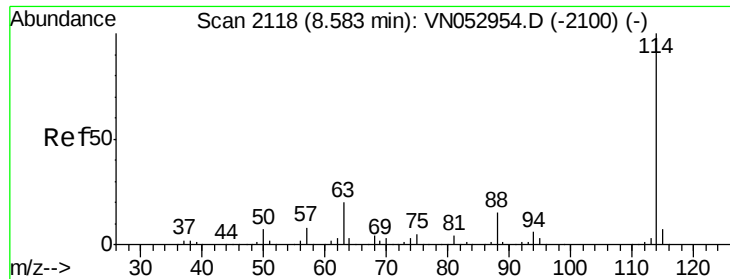
67 55.3 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN





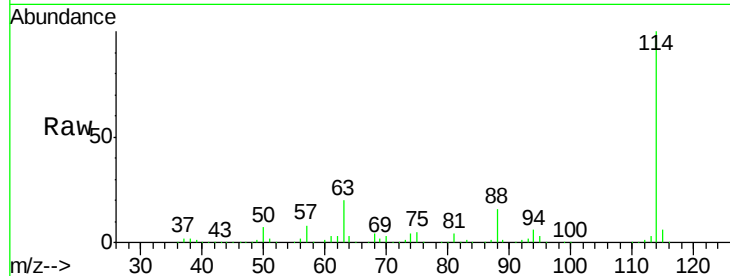
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053030.D
 Acq: 20 Dec 2018 00:36

Instrument :
 MSVOA_N
 ClientSampleId :
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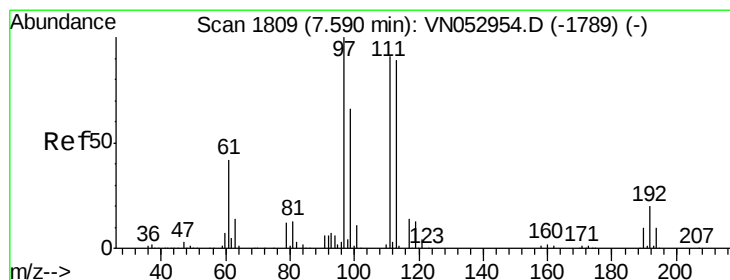
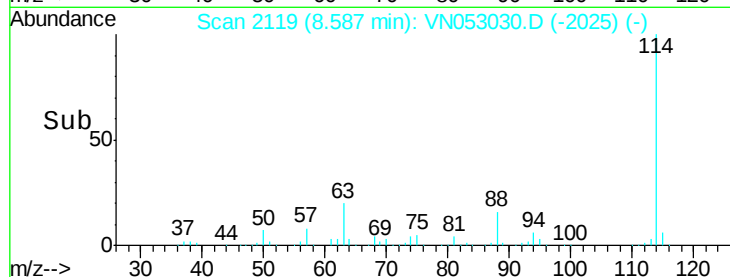
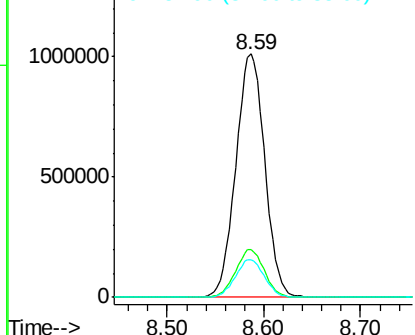
Tgt Ion:114 Resp: 2102526
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.6 0.0 31.0

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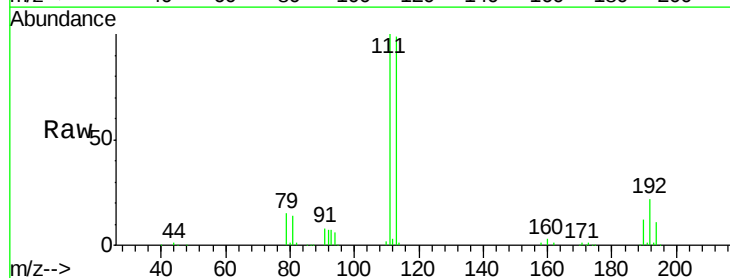


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VNO
 Ion 87.90 (87.60 to 88.60): VNO

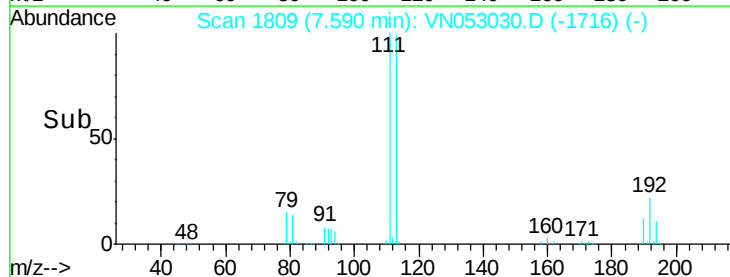
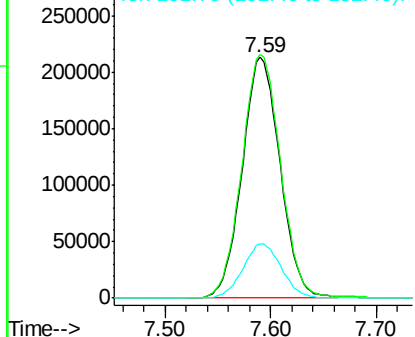


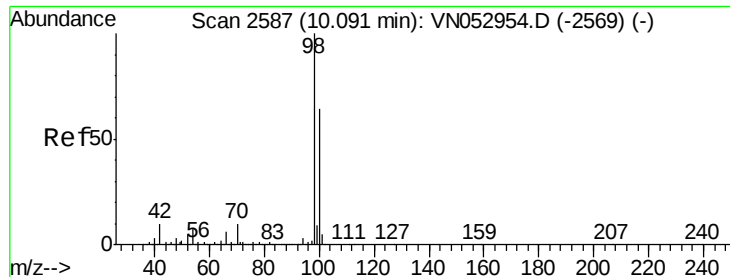
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053030.D
 Acq: 20 Dec 2018 00:36

Tgt Ion:113 Resp: 532978
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.0 124.4
 192 22.9 17.5 26.3



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053030.D

Acq: 20 Dec 2018 00:36

Instrument :

MSVOA_N

ClientSampleId :

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Tgt Ion: 98 Resp: 2625642

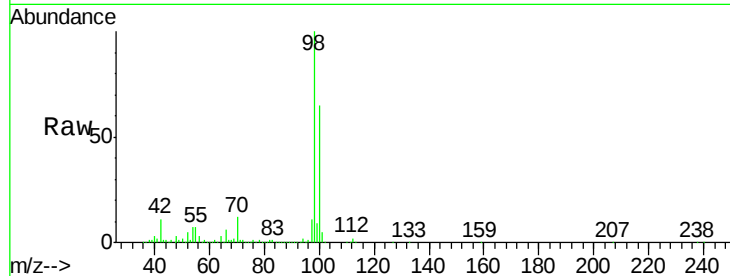
Ion Ratio Lower Upper

98 100

100 64.3 51.6 77.4

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Abundance Ion 98.00 (97.70 to 98.70): VN052954.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN052954.D (-2569) (-)

1500000

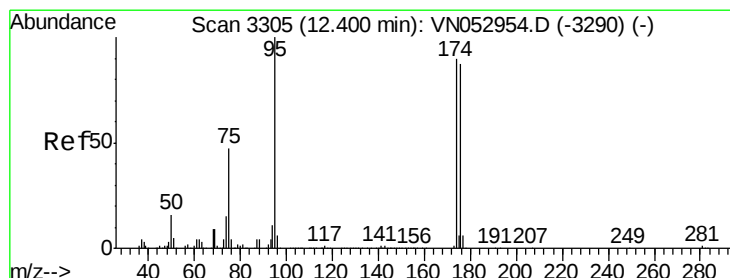
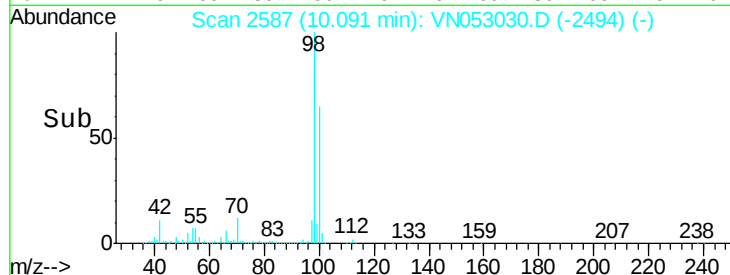
1000000

500000

0

10.00 10.10 10.20

Time-->



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053030.D

Acq: 20 Dec 2018 00:36

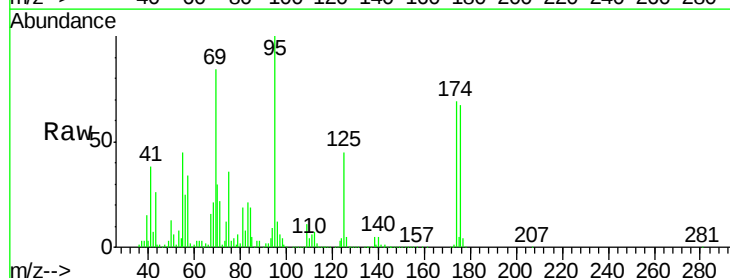
Tgt Ion: 95 Resp: 1139531

Ion Ratio Lower Upper

95 100

174 65.3 0.0 178.8

176 63.5 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VN052954.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052954.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052954.D (-3290) (-)

800000

600000

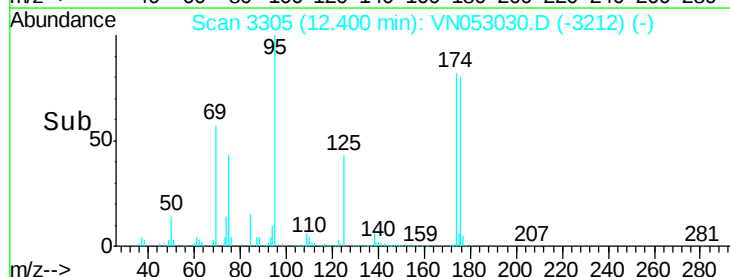
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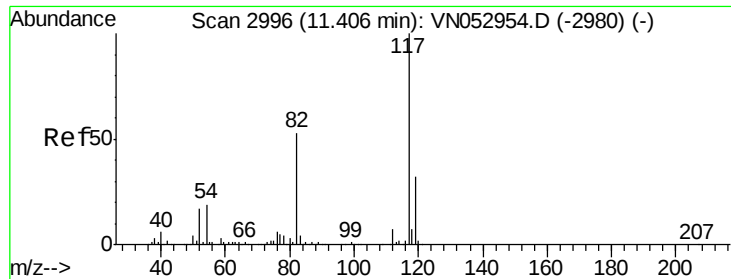
200000

0

12.35 12.40 12.45

Time-->





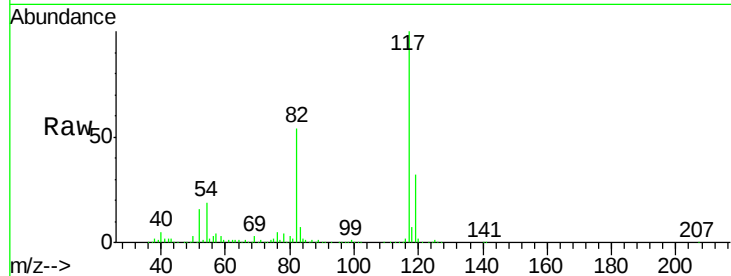
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053030.D
Acq: 20 Dec 2018 00:36

Instrument :
MSVOA_N
ClientSampleId :
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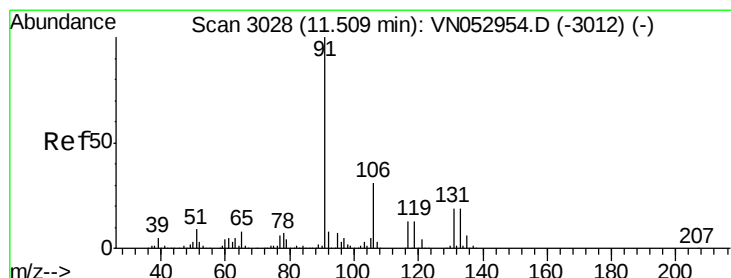
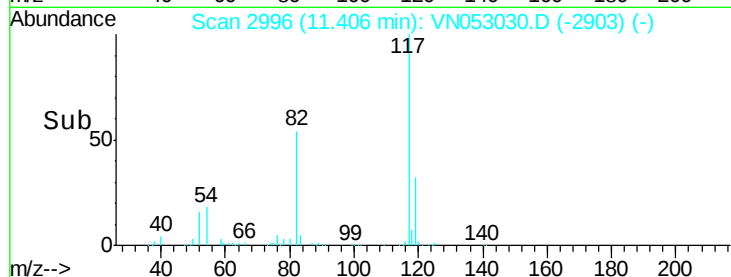
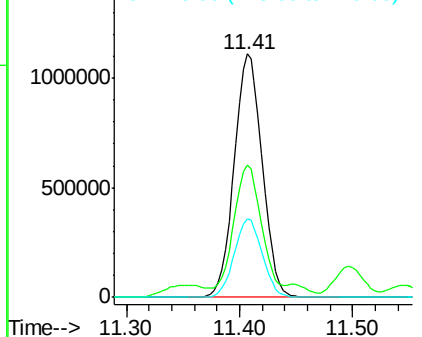
Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.6	42.8	64.2
119	32.2	25.5	38.3

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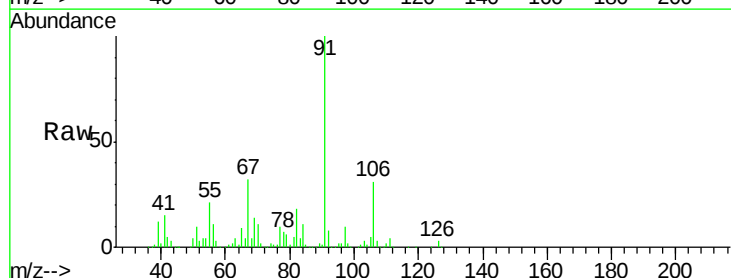


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

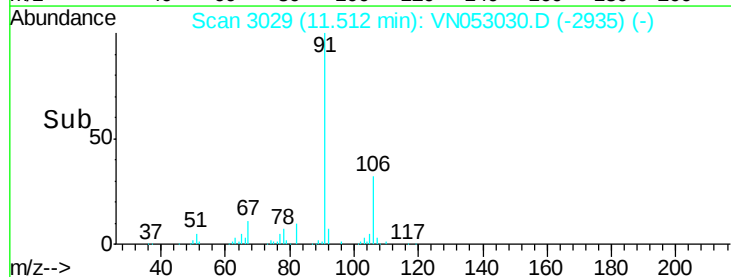
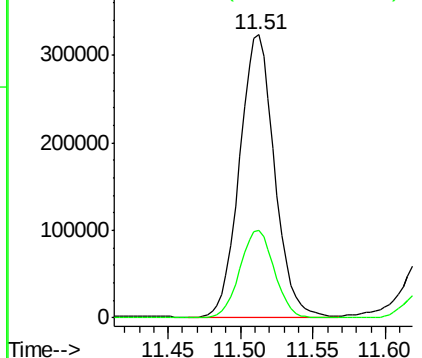


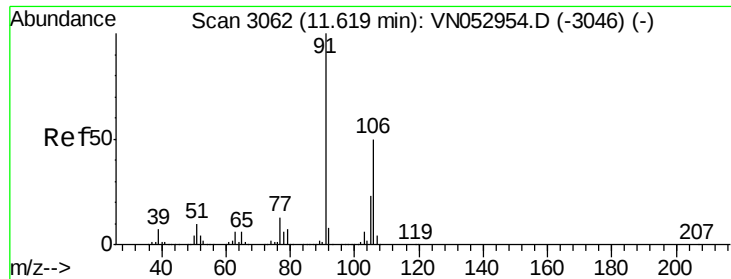
#67
Ethyl Benzene
Concen: 7.424 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053030.D
Acq: 20 Dec 2018 00:36

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.9	37.3



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V





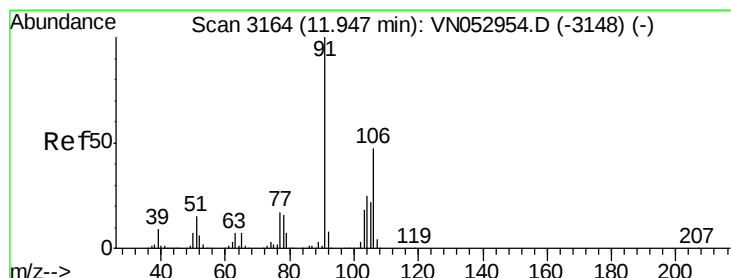
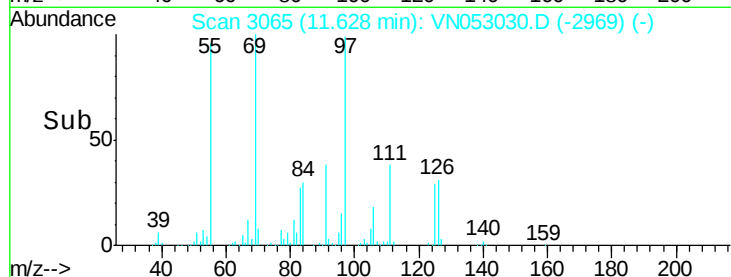
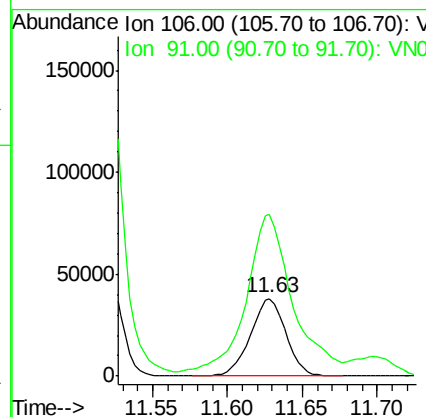
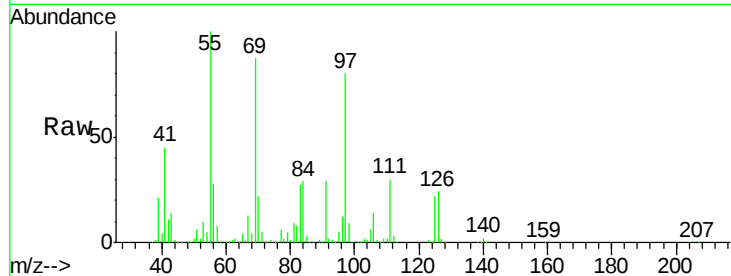
#68
m/p-Xylenes
Concen: 2.270 ug/l
RT: 11.63 min Scan# 3065
Delta R.T. 0.01 min
Lab File: VN053030.D
Acq: 20 Dec 2018 00:36

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MSVOA_N
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Tgt Ion:106 Resp: 62795
Ion Ratio Lower Upper
106 100
91 257.4 162.2 243.4#

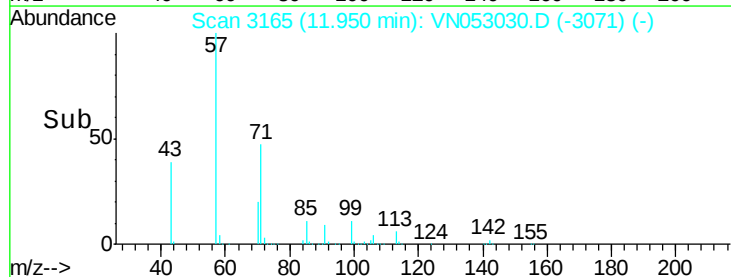
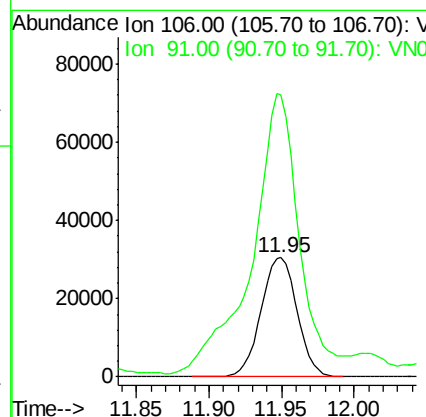
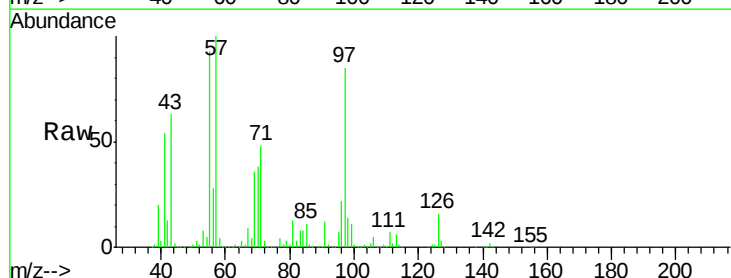
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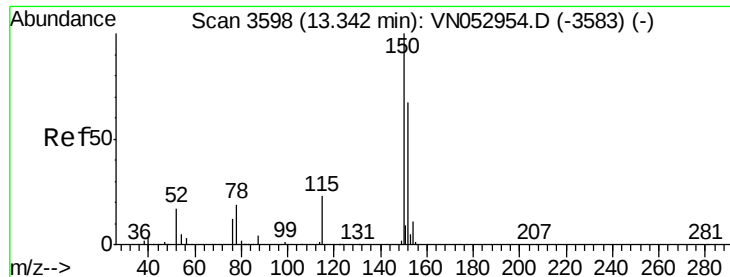
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#69
o-Xylene
Concen: 2.001 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053030.D
Acq: 20 Dec 2018 00:36

Tgt Ion:106 Resp: 53136
Ion Ratio Lower Upper
106 100
91 302.4 106.6 319.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053030.D

Acq: 20 Dec 2018 00:36

Instrument :

MSVOA_N

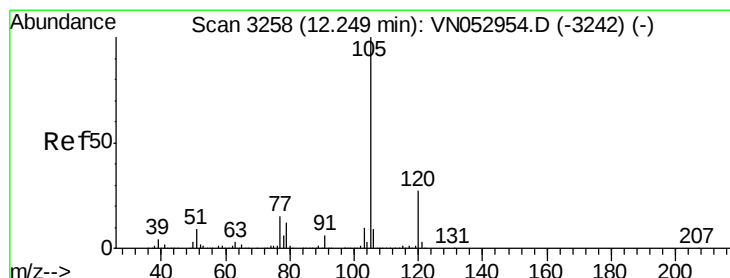
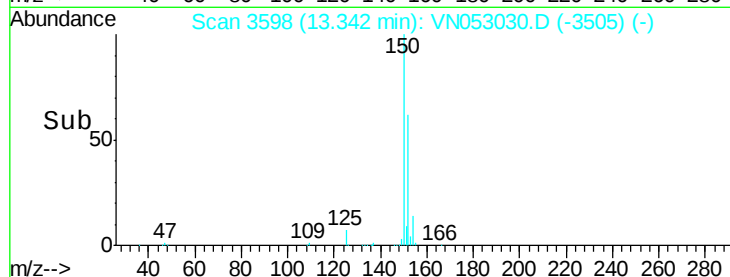
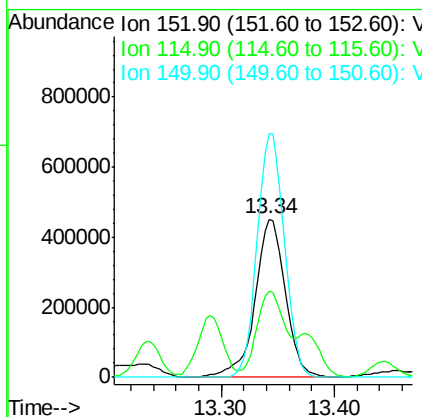
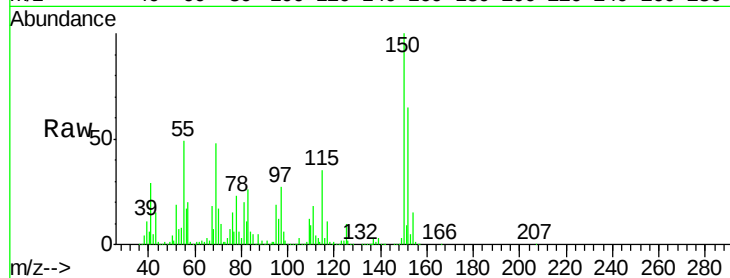
ClientSampleId :

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Tgt Ion:	152	Resp:	834541
Ion Ratio	Lower	Upper	
152	100		
115	46.0	28.3	85.0
150	139.2	0.0	347.8

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#73

Isopropylbenzene

Concen: 47.573 ug/l

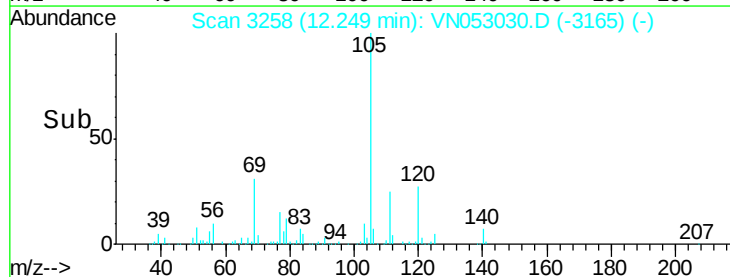
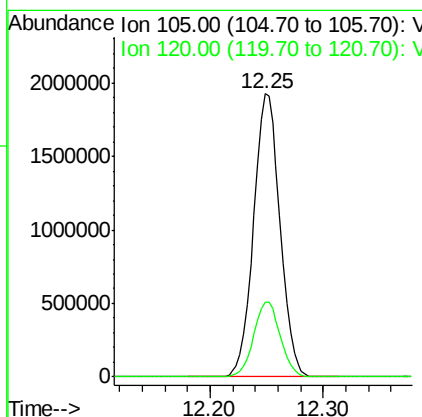
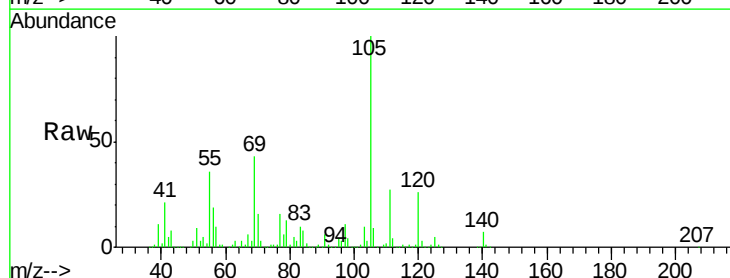
RT: 12.25 min Scan# 3258

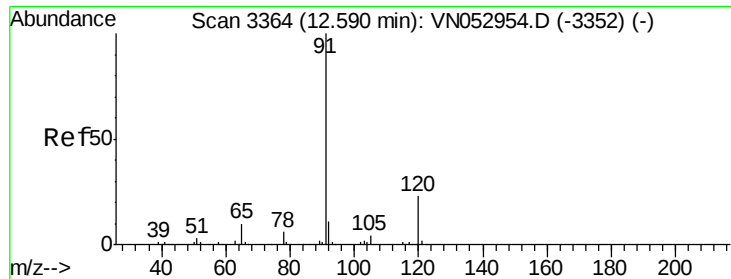
Delta R.T. -0.00 min

Lab File: VN053030.D

Acq: 20 Dec 2018 00:36

Tgt Ion:	105	Resp:	3106325
Ion Ratio	Lower	Upper	
105	100		
120	26.8	13.3	39.9





#78

n-propylbenzene

Concen: 112.372 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053030.D

Acq: 20 Dec 2018 00:36

Instrument :

MSVOA_N

ClientSampleId :

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Tgt Ion: 91 Resp: 8356650

Ion Ratio Lower Upper

91 100

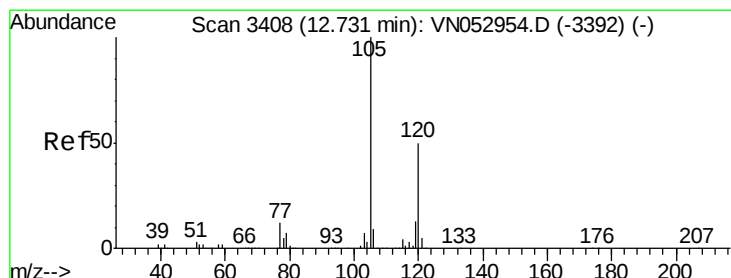
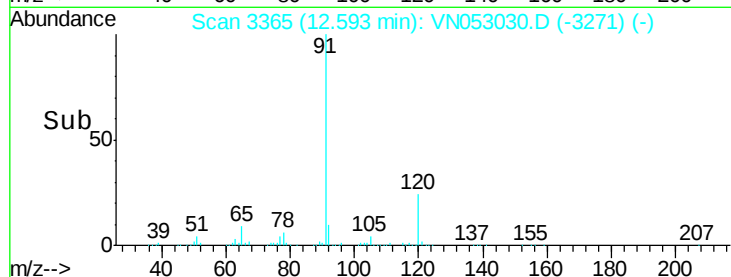
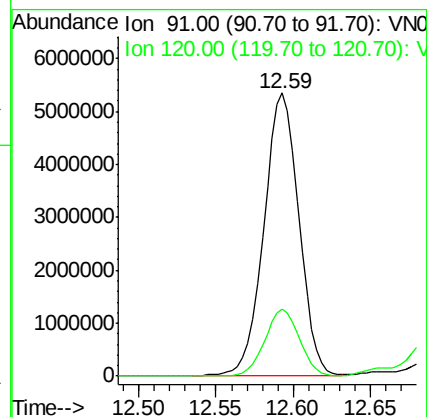
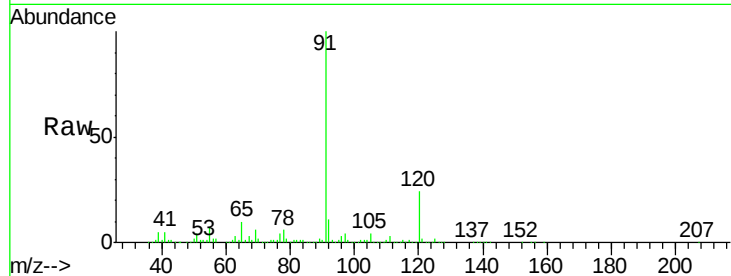
120 23.4 11.5 34.5

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#80

1,3,5-Trimethylbenzene

Concen: 87.082 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053030.D

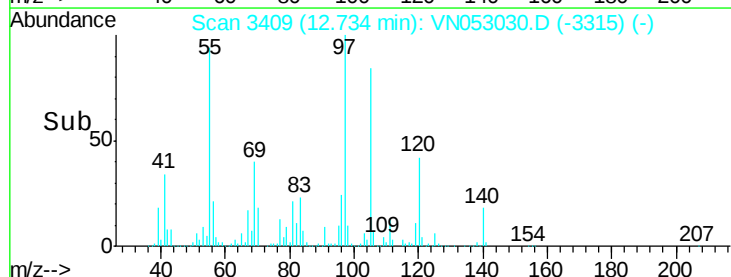
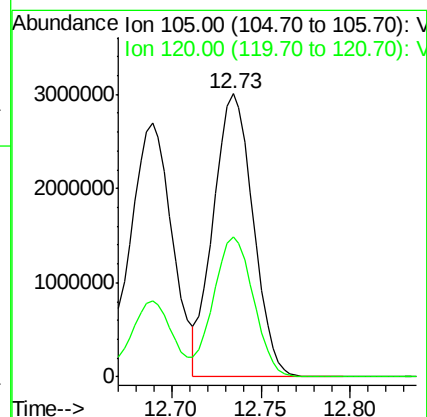
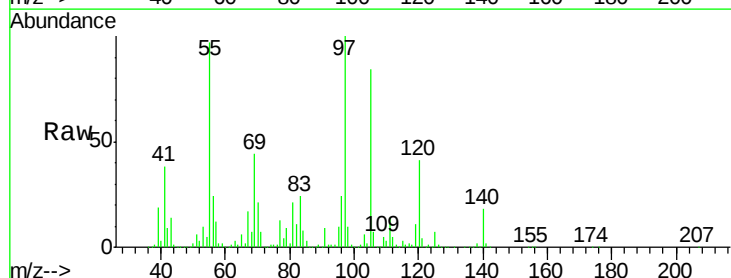
Acq: 20 Dec 2018 00:36

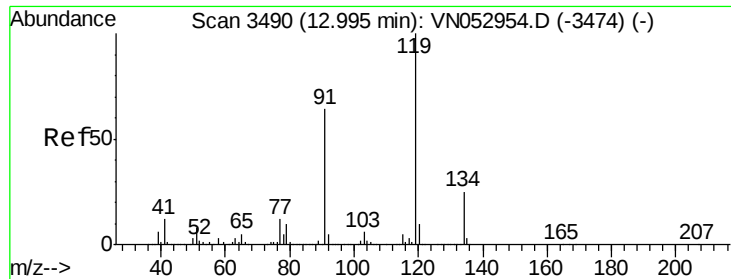
Tgt Ion: 105 Resp: 4634617

Ion Ratio Lower Upper

105 100

120 50.4 24.4 73.2





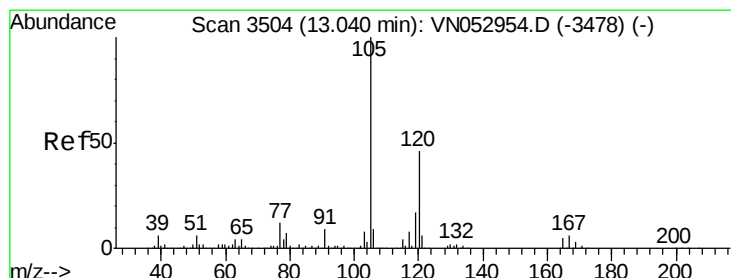
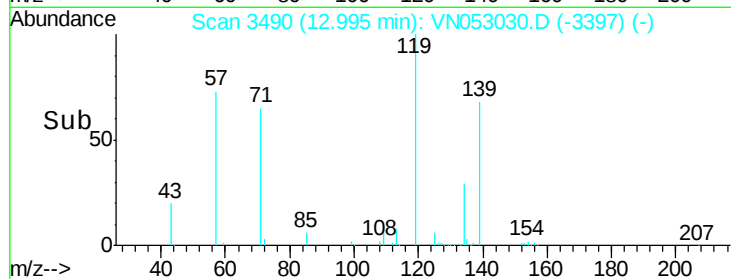
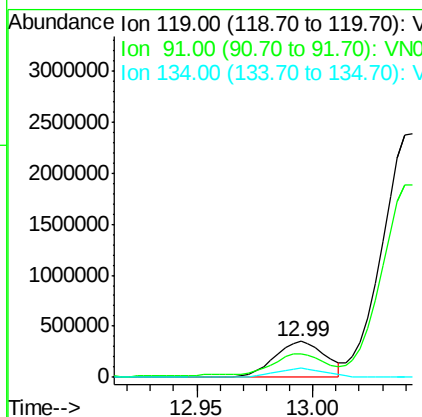
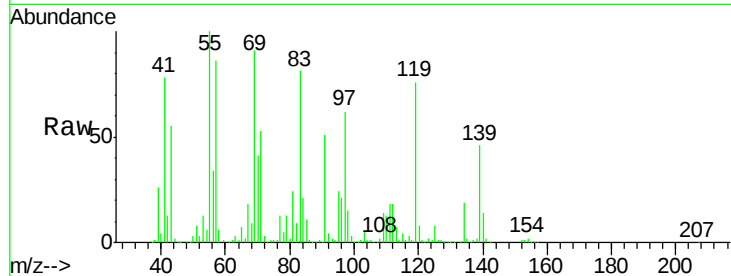
#83
 tert-Butylbenzene
 Concen: 11.345 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053030.D
 Acq: 20 Dec 2018 00:36

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-I(12-13FT)1218

Tgt Ion	Ratio	Lower	Upper
119	100		
91	70.2	31.9	95.5
134	25.7	12.8	38.4

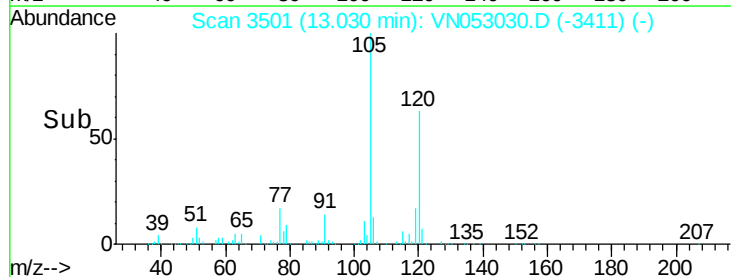
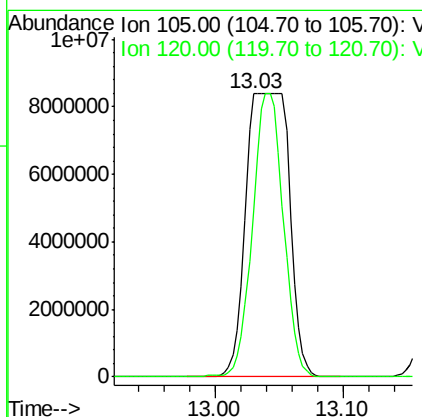
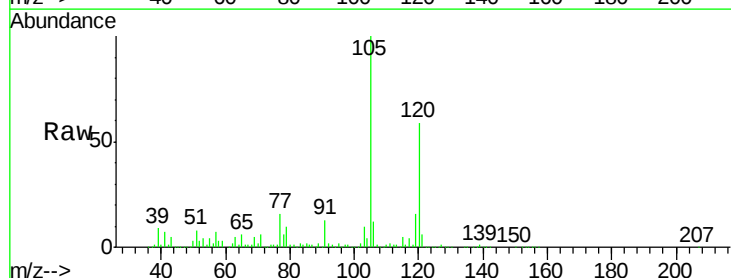
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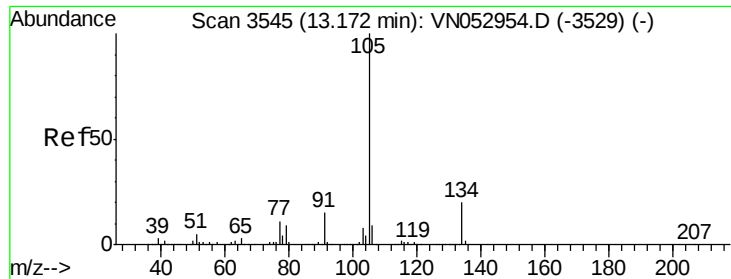
MMDadoda
 12/20/2018 9:33:00 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 366.808 ug/l m
 RT: 13.03 min Scan# 3501
 Delta R.T. -0.01 min
 Lab File: VN053030.D
 Acq: 20 Dec 2018 00:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	22.9	68.8#





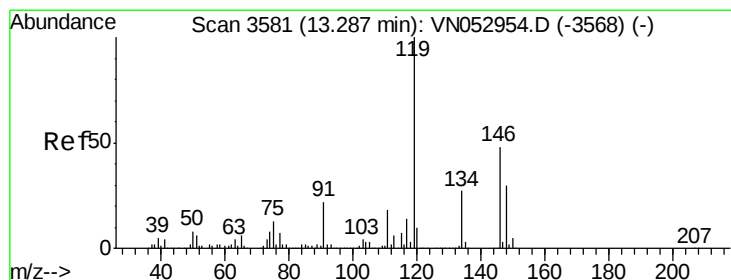
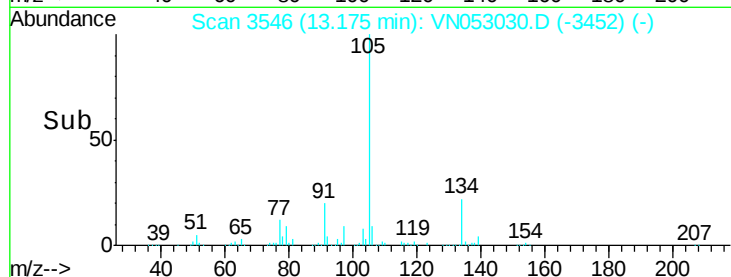
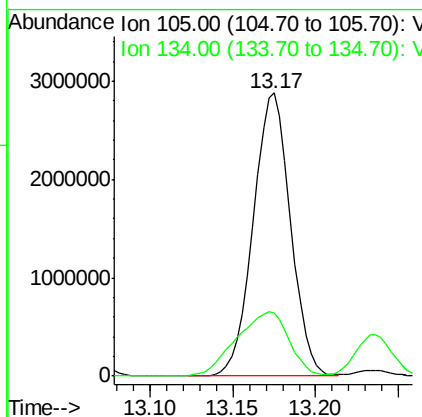
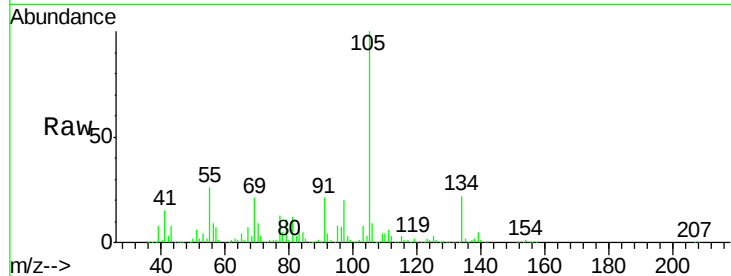
#85
 sec-Butylbenzene
 Concen: 70.600 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN053030.D
 Acq: 20 Dec 2018 00:36

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-I(12-13FT)1218

Tgt Ion:105 Resp: 4494804
 Ion Ratio Lower Upper
 105 100
 134 32.1 10.1 30.3#

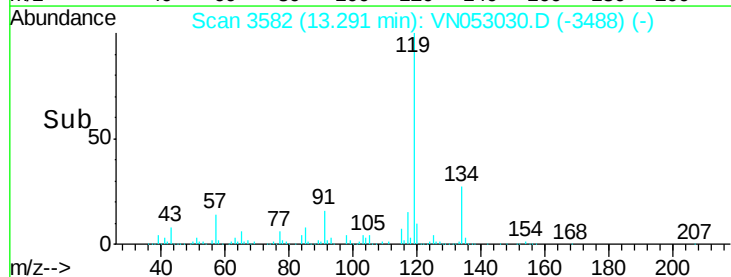
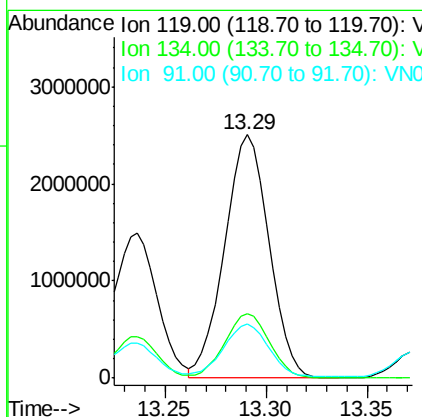
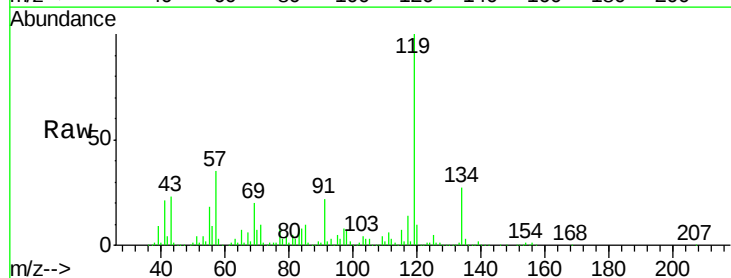
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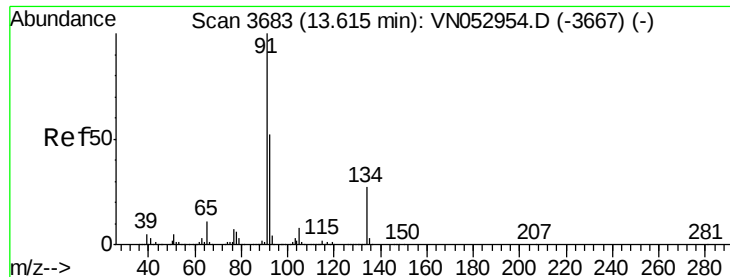
MMDadoda
 12/20/2018 9:33:00 AM



#86
 p-Isopropyltoluene
 Concen: 70.064 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053030.D
 Acq: 20 Dec 2018 00:36

Tgt Ion:119 Resp: 3854404
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.2
 91 22.1 11.1 33.3





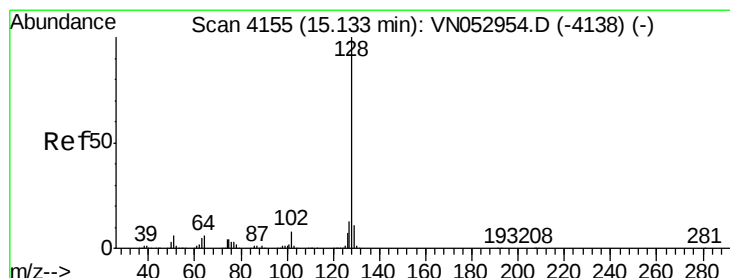
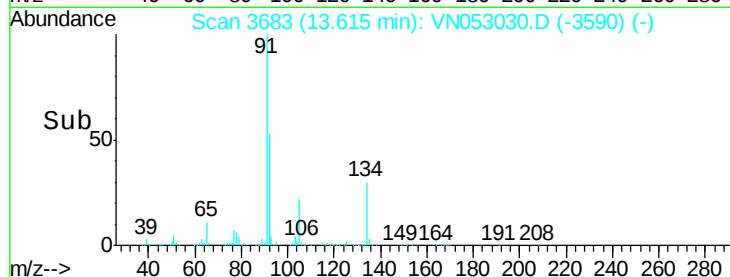
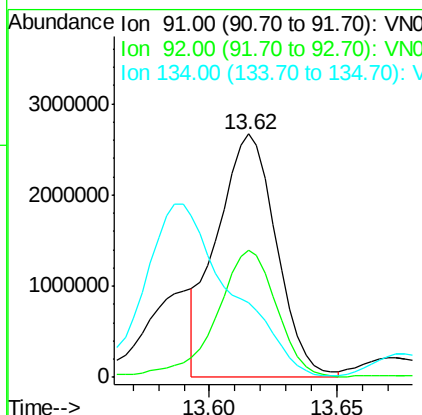
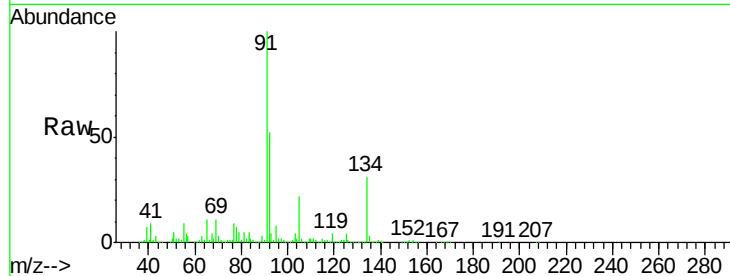
#89
n-Butylbenzene
Concen: 91.443 ug/l m
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053030.D
Acq: 20 Dec 2018 00:36

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-I(12-13FT)1218

Tgt Ion: 91 Resp: 4327849
Ion Ratio Lower Upper
91 100
92 51.9 26.3 78.9
134 0.0 13.3 39.8#

Manual Integrations
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12/20/2018 9:33:00 AM



#95
Naphthalene
Concen: 9.112 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053030.D
Acq: 20 Dec 2018 00:36

Tgt Ion: 128 Resp: 267486
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 11.4 8.6 13.0

