

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053037.D
 Acq On : 20 Dec 2018 3:43
 Operator : MD\SY
 Sample : J6411-13 10X
 Misc : 6.89g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 44 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SBR-FD-1218

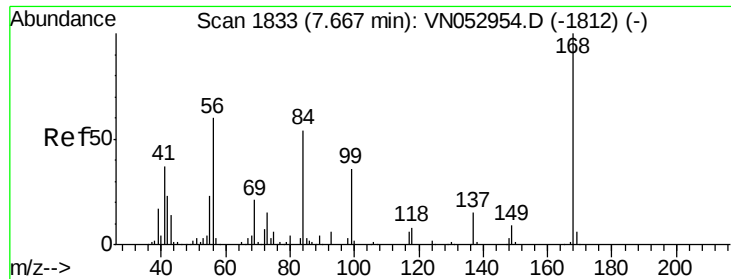
Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 9:33:27 AM

Quant Time: Dec 20 07:57:24 2018
 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	1373134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2083963	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1932830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	842934	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	653833	46.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.84%	
35) Dibromofluoromethane	7.59	113	533573	56.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.10%	
50) Toluene-d8	10.09	98	2657938	52.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.02%	
62) 4-Bromofluorobenzene	12.40	95	1134802	63.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	126.50%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.08	83	127300	5.239	ug/l	97
67) Ethyl Benzene	11.51	91	259581	3.523	ug/l	99
68) m/p-Xylenes	11.63	106	726153	25.924	ug/l	97
73) Isopropylbenzene	12.25	105	2813799	42.664	ug/l	99
78) n-propylbenzene	12.59	91	6432724	85.640	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	7979799	148.443	ug/l	99
83) tert-Butylbenzene	12.99	119	563946	11.862	ug/l	95
84) 1,2,4-Trimethylbenzene	13.03	105	20850668m	385.833	ug/l	
85) sec-Butylbenzene	13.17	105	4315210	67.104	ug/l #	74
86) p-Isopropyltoluene	13.29	119	3676925	66.172	ug/l	100
89) n-Butylbenzene	13.62	91	4368357m	91.380	ug/l	
95) Naphthalene	15.13	128	323739	10.691	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

Lab File: VN053037.D

Acq: 20 Dec 2018 3:43

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-FD-1218

Tot Ion:168 Resp: 1373134

Ion Ratio Lower Upper

168 100

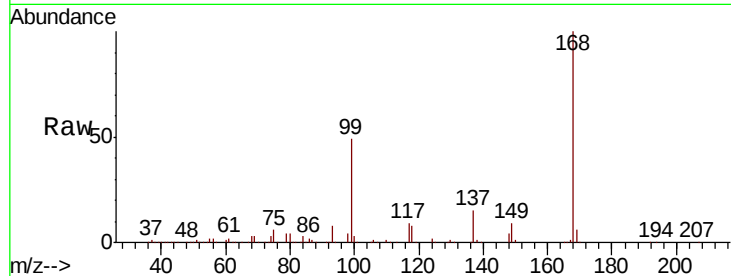
99 49.1 40.2 60.2

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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

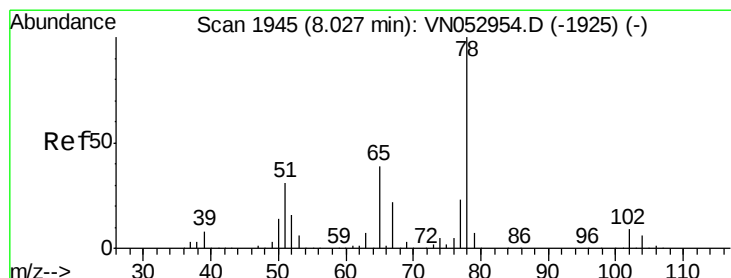
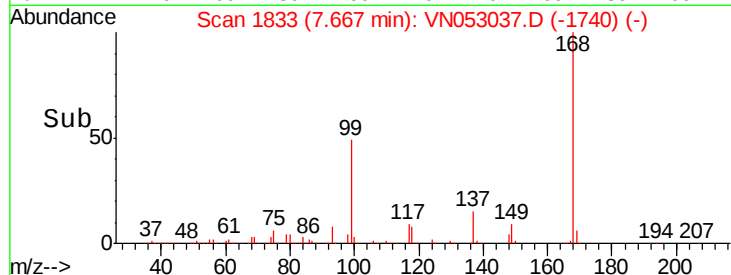
600000

400000

200000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053037.D

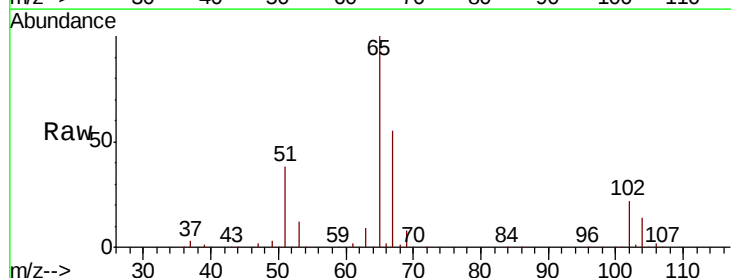
Acq: 20 Dec 2018 3:43

Tgt Ion: 65 Resp: 653833

Ion Ratio Lower Upper

65 100

67 54.6 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN

8.03

300000

250000

200000

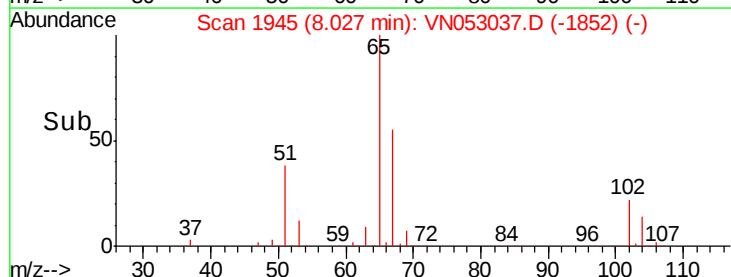
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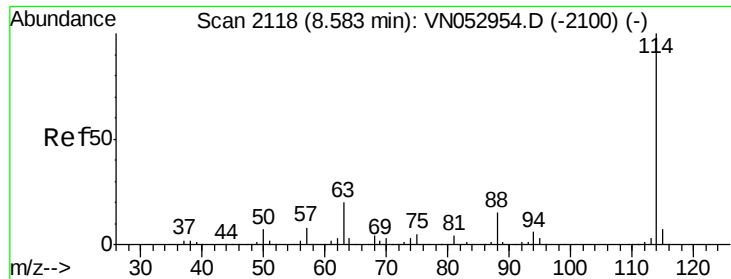
100000

50000

0

Time-->





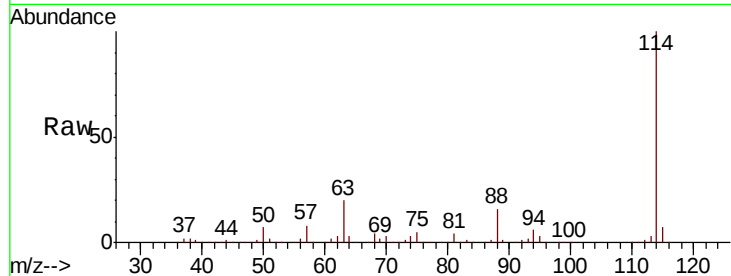
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN053037.D
Acq: 20 Dec 2018 3:43

Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-FD-1218

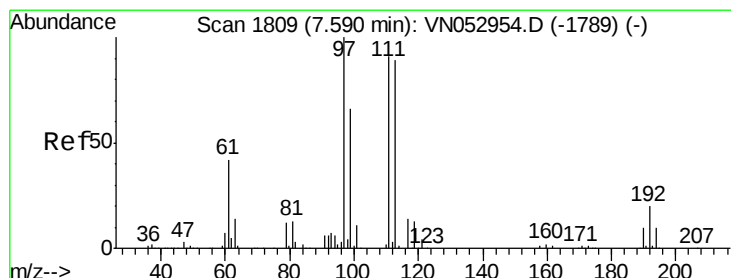
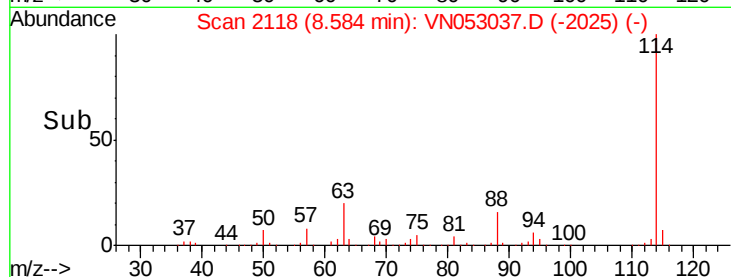
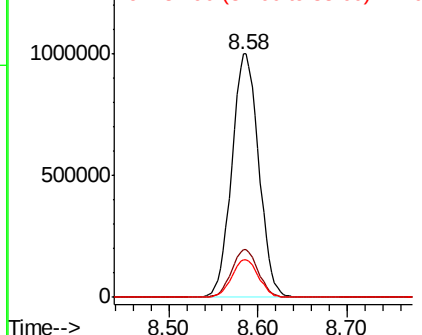
Tot Ion:114 Resp: 2083963
Ion Ratio Lower Upper
114 100
63 19.6 0.0 39.8
88 15.6 0.0 31.0

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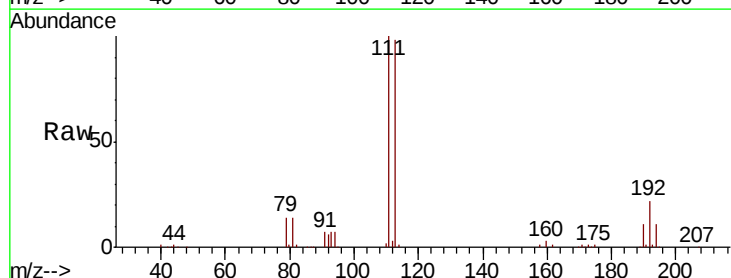


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

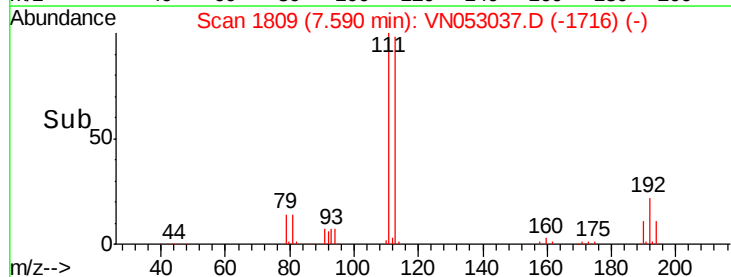
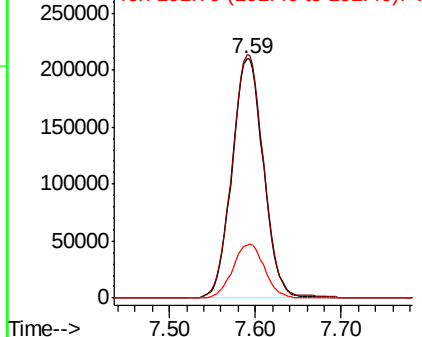


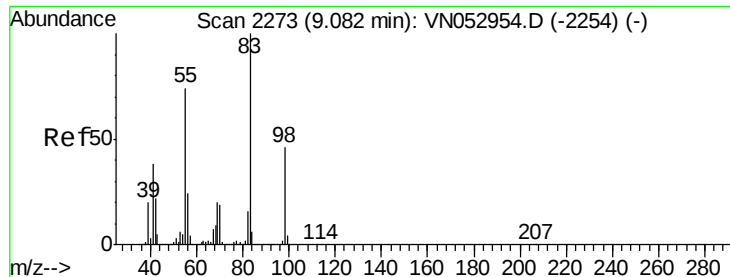
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053037.D
Acq: 20 Dec 2018 3:43

Tgt Ion:113 Resp: 533573
Ion Ratio Lower Upper
113 100
111 102.3 83.0 124.4
192 22.7 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





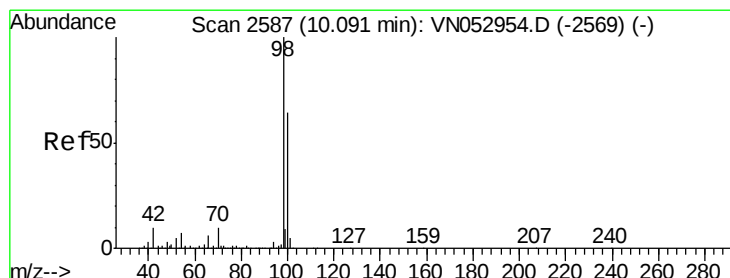
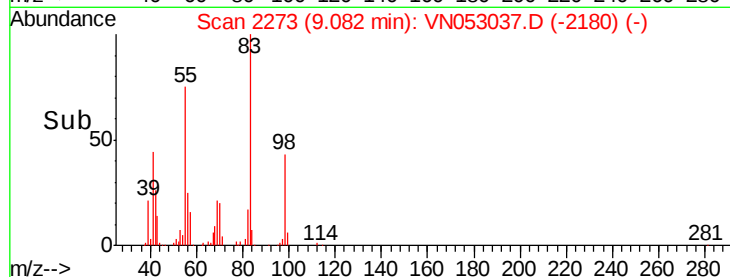
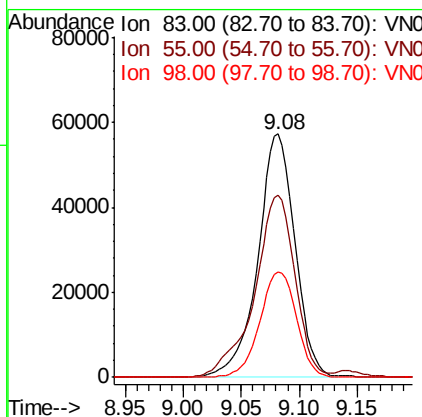
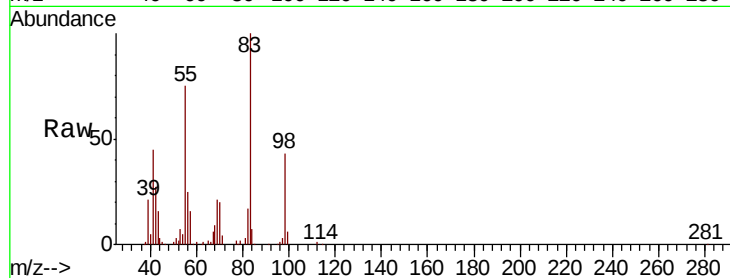
#39
Methvlcvclohexane
Concen: 5.239 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053037.D
Acq: 20 Dec 2018 3:43

Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-FD-1218

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.0	61.3	91.9
98	43.5	37.0	55.4

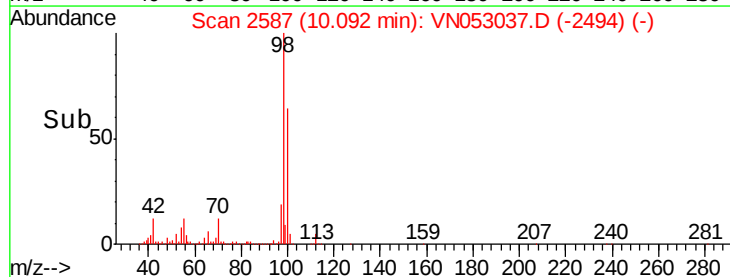
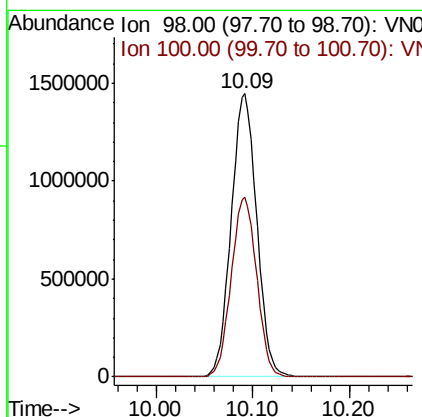
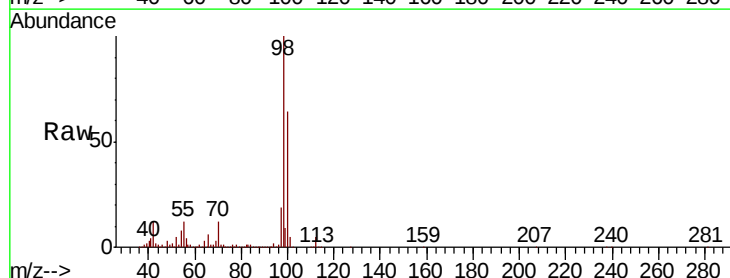
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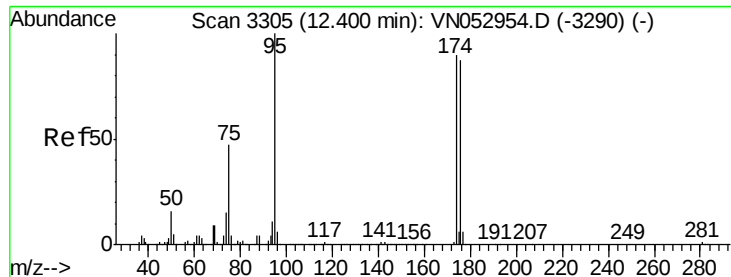
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#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053037.D
Acq: 20 Dec 2018 3:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.6	77.4





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053037.D

Acq: 20 Dec 2018 3:43

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-FD-1218

Tot Ion: 95 Resp: 1134802

Ion Ratio Lower Upper

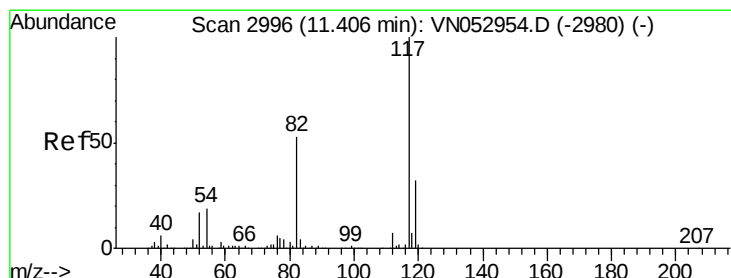
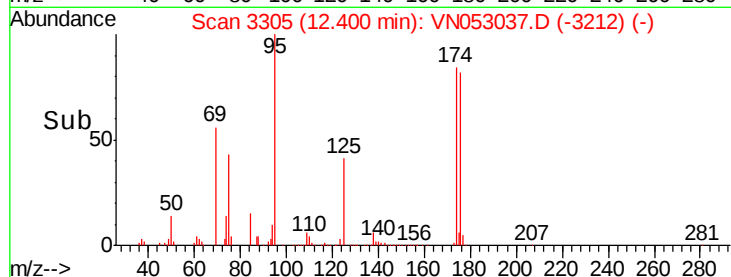
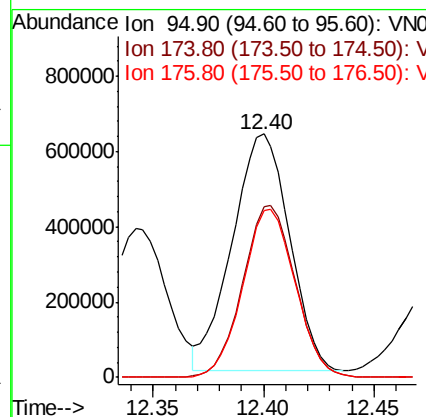
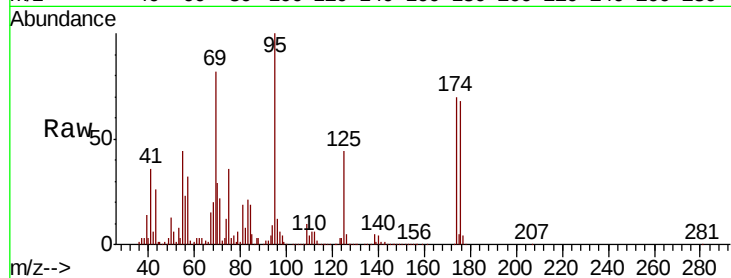
95 100

174 66.5 0.0 178.8

176 64.9 0.0 173.8

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053037.D

Acq: 20 Dec 2018 3:43

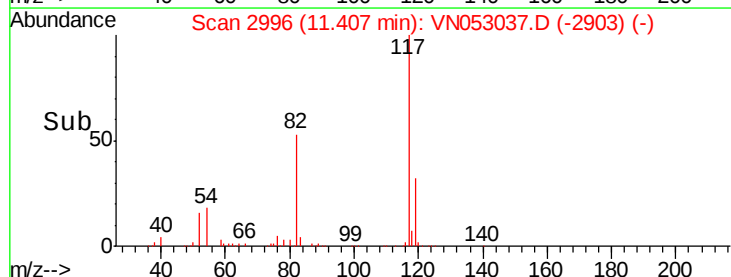
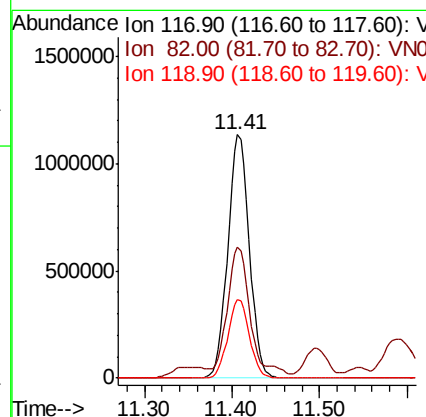
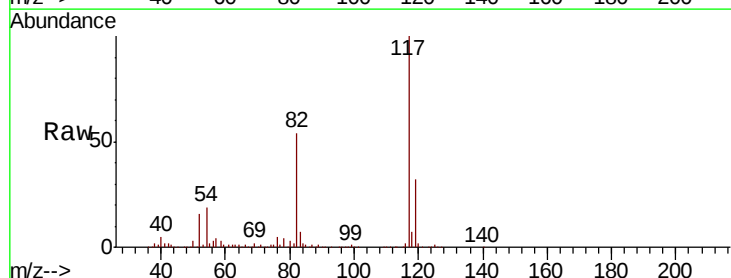
Tgt Ion: 117 Resp: 1932830

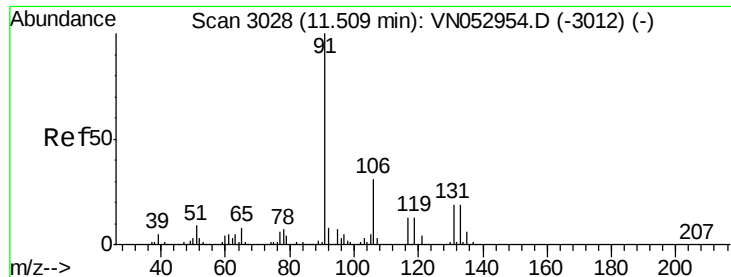
Ion Ratio Lower Upper

117 100

82 51.8 42.8 64.2

119 32.2 25.5 38.3





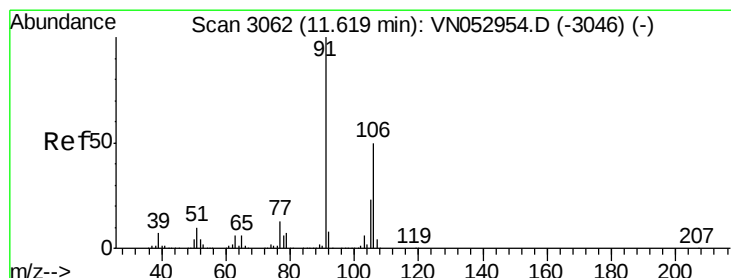
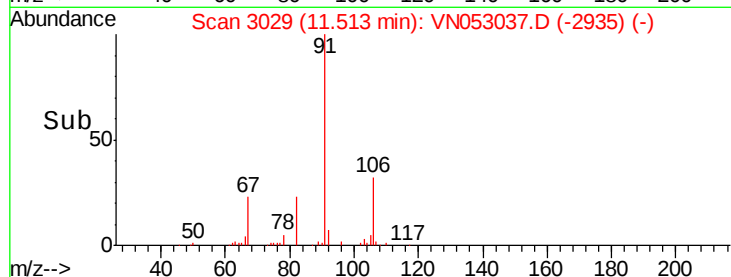
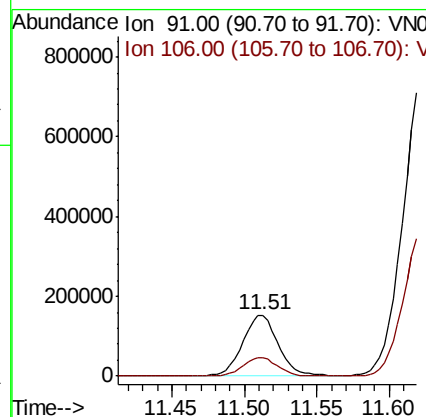
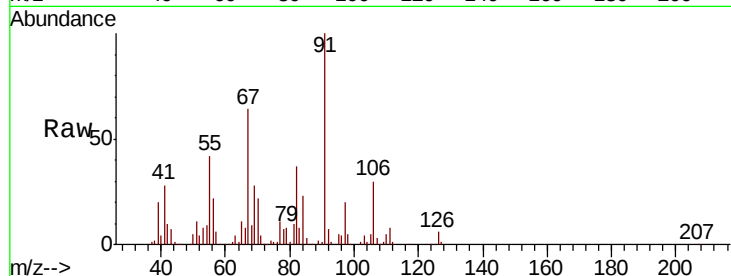
#67
Ethyl Benzene
Concen: 3.523 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053037.D
Acq: 20 Dec 2018 3:43

Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-FD-1218

Tot Ion: 91 Resp: 259581
Ion Ratio Lower Upper
91 100
106 30.5 24.9 37.3

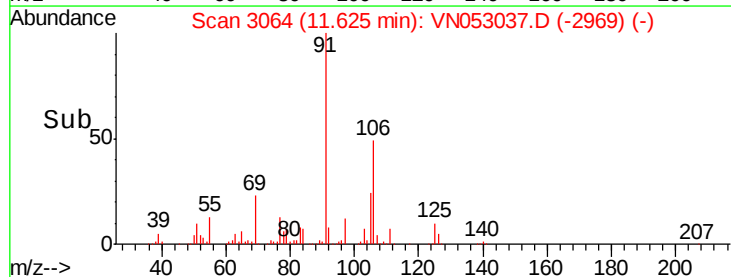
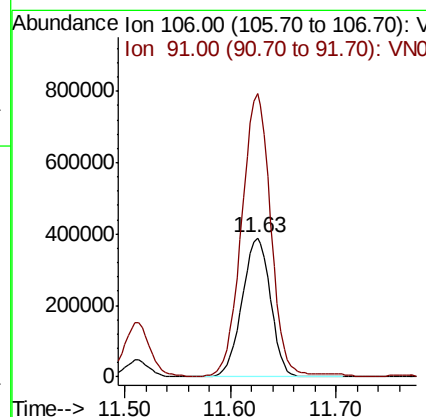
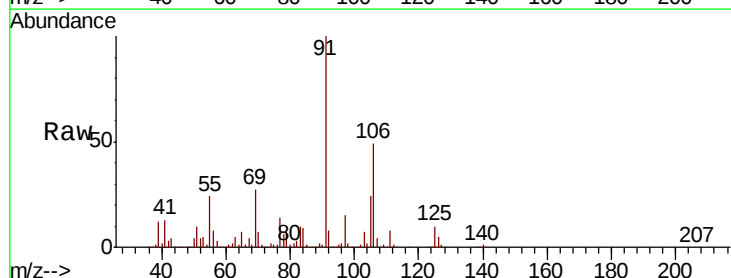
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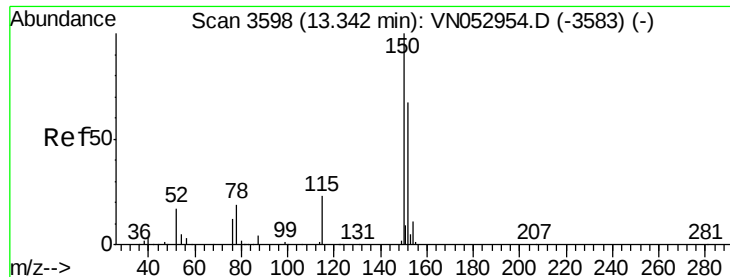
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12/20/2018 9:33:27 AM



#68
m/p-Xylenes
Concen: 25.924 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.01 min
Lab File: VN053037.D
Acq: 20 Dec 2018 3:43

Tgt Ion: 106 Resp: 726153
Ion Ratio Lower Upper
106 100
91 207.6 162.2 243.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053037.D

Acq: 20 Dec 2018 3:43

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-FD-1218

Tot Ion:152 Resp: 842934

Ion Ratio Lower Upper

152 100

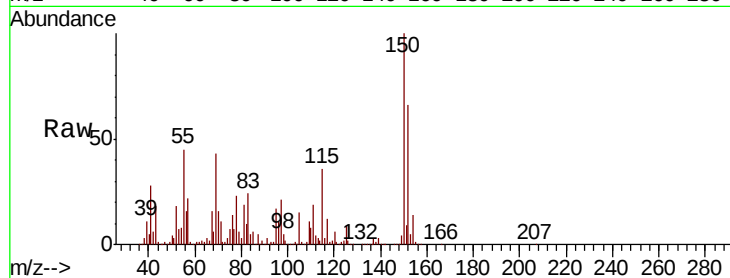
115 45.8 28.3 85.0

150 138.2 0.0 347.8

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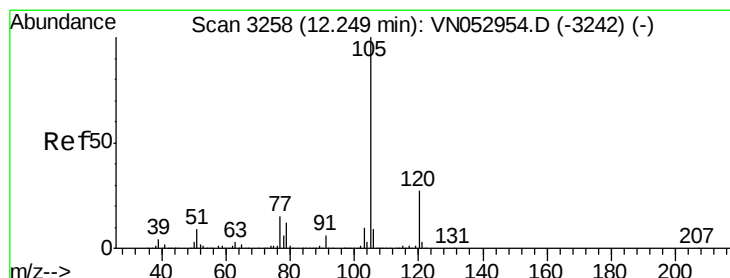
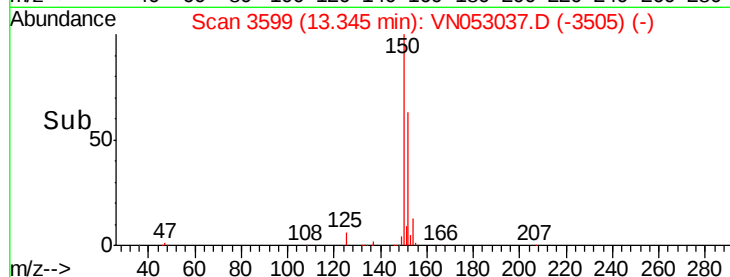
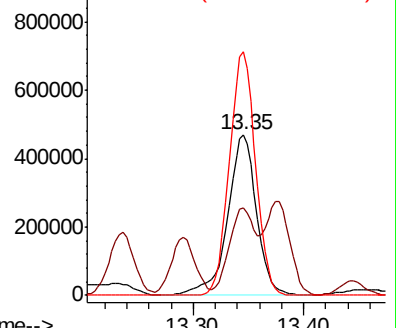
12/20/2018 9:33:27 AM



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: 42.664 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053037.D

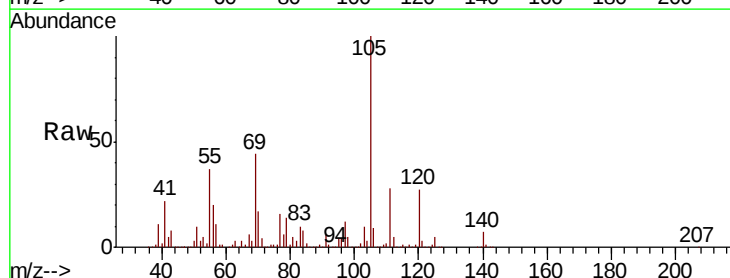
Acq: 20 Dec 2018 3:43

Tgt Ion:105 Resp: 2813799

Ion Ratio Lower Upper

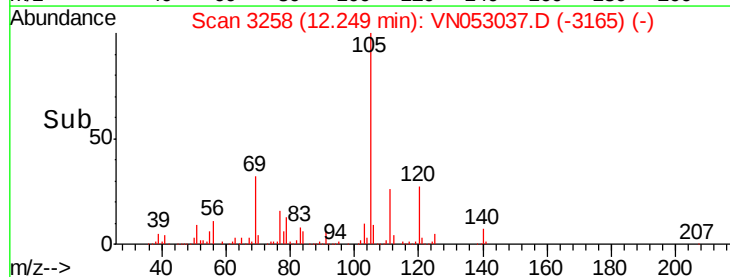
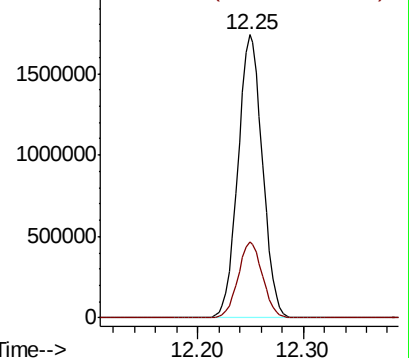
105 100

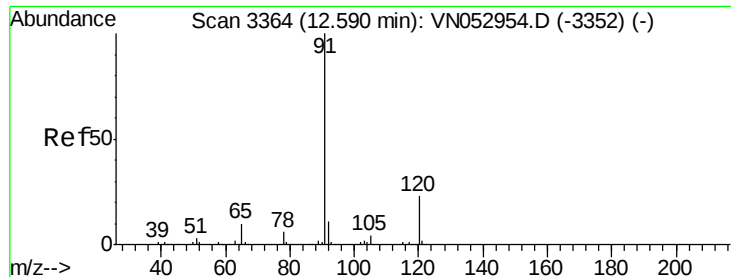
120 26.9 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





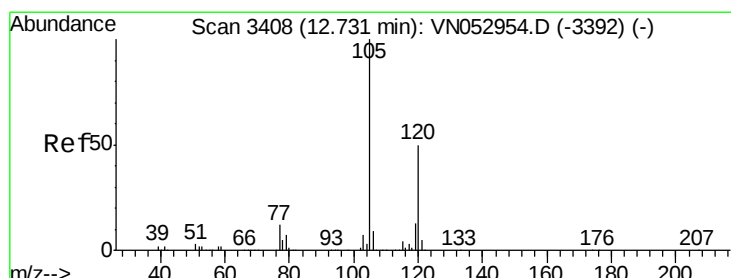
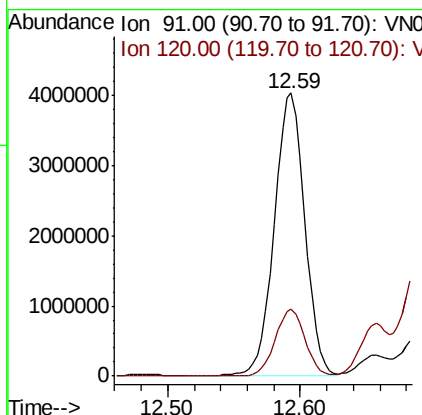
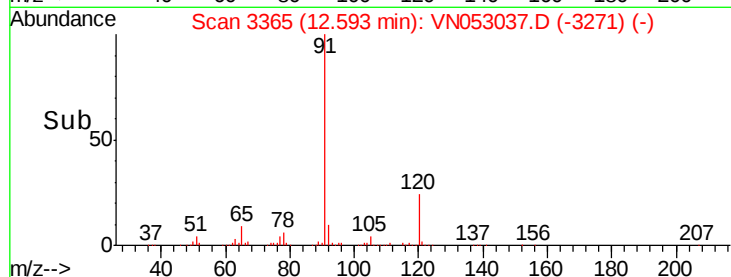
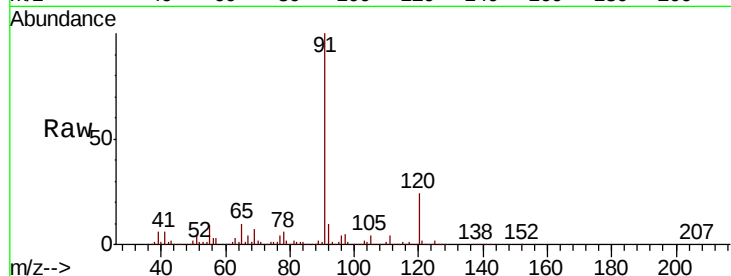
#78
n-propylbenzene
Concen: 85.640 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN053037.D
Acq: 20 Dec 2018 3:43

Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-FD-1218

Tot Ion: 91 Resp: 6432724
Ion Ratio Lower Upper
91 100
120 23.3 11.5 34.5

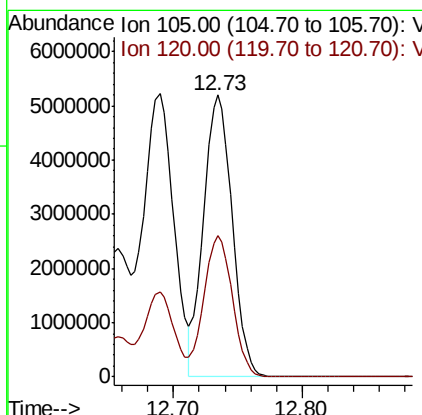
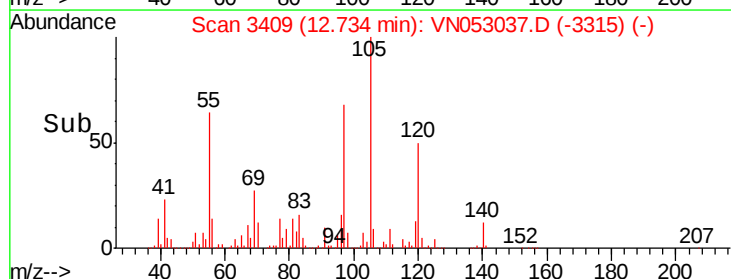
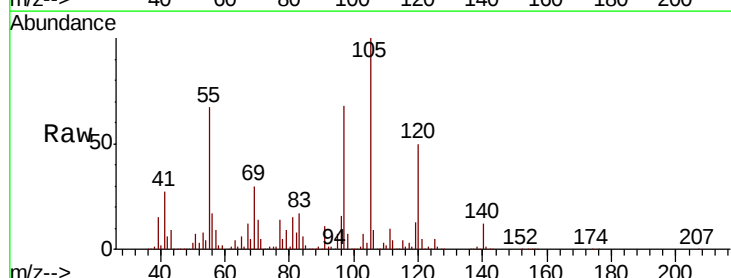
Manual Integrations
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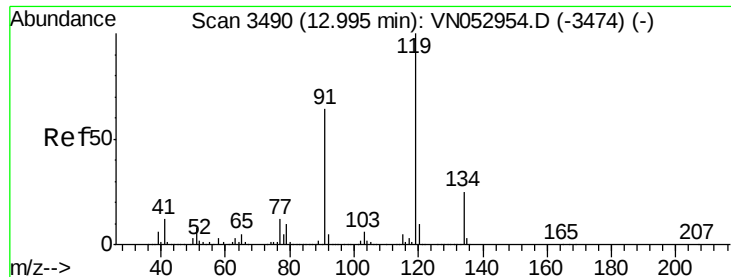
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#80
1,3,5-Trimethylbenzene
Concen: 148.443 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. 0.00 min
Lab File: VN053037.D
Acq: 20 Dec 2018 3:43

Tgt Ion: 105 Resp: 7979799
Ion Ratio Lower Upper
105 100
120 49.8 24.4 73.2





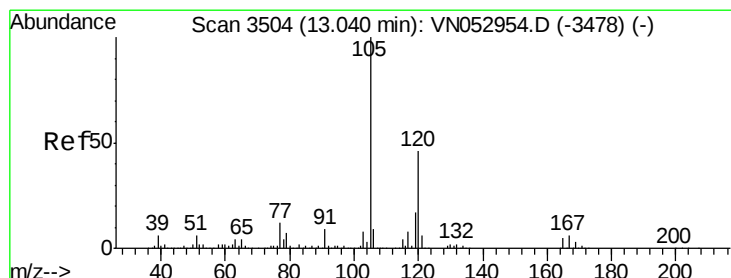
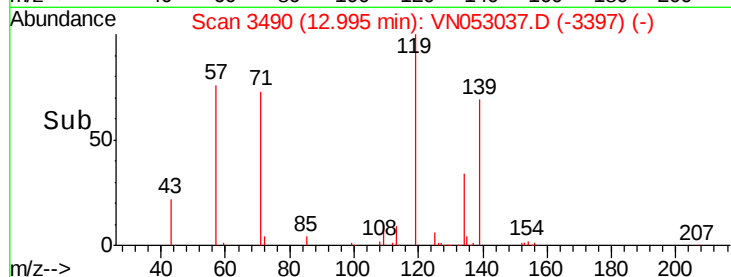
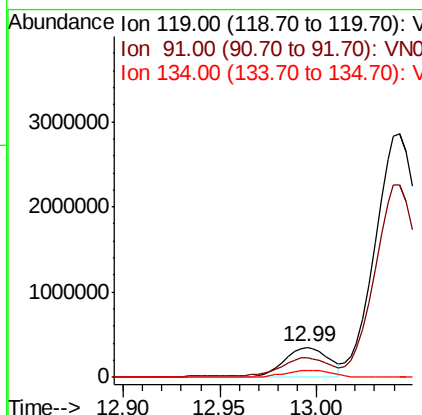
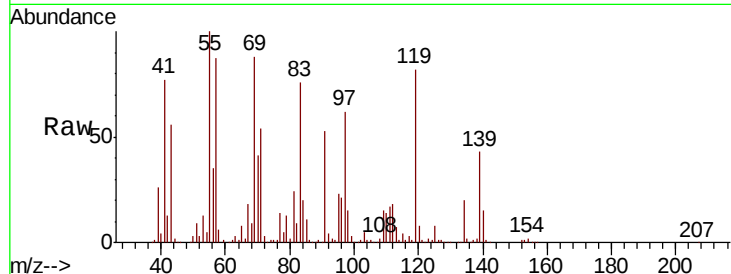
#83
tert-Butylbenzene
Concen: 11.862 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053037.D
Acq: 20 Dec 2018 3:43

Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-FD-1218

Tot Ion	Ratio	Resp	Lower	Upper
119	100	563946		
91	68.5	31.9	95.5	
134	25.2	12.8	38.4	

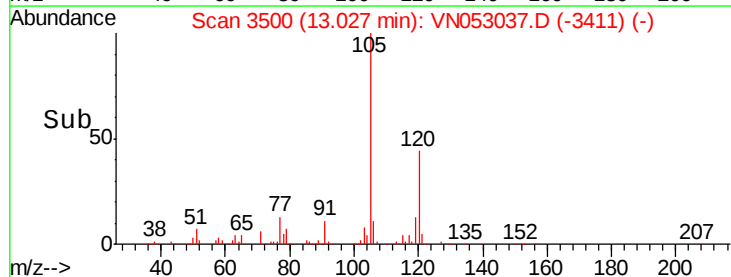
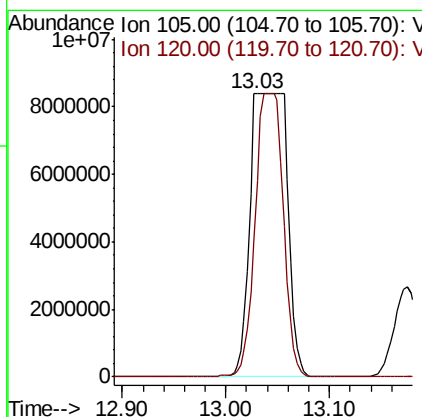
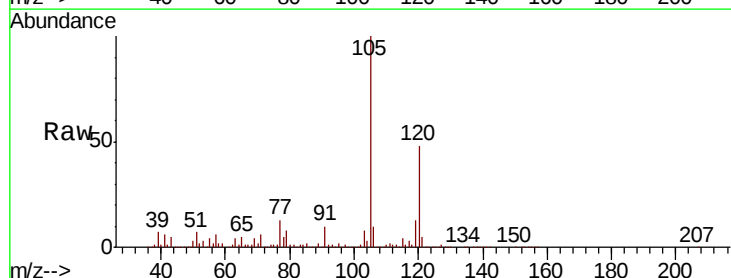
Manual Integrations
APPROVED

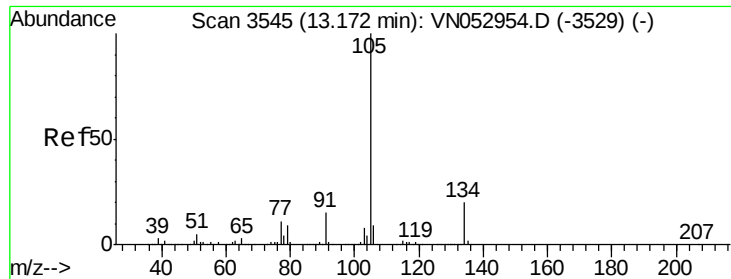
MMDadoda
12/20/2018 9:33:27 AM



#84
1,2,4-Trimethylbenzene
Concen: 385.833 ug/l m
RT: 13.03 min Scan# 3500
Delta R.T. -0.01 min
Lab File: VN053037.D
Acq: 20 Dec 2018 3:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	20850668		
120	0.0	22.9	68.8	





#85

sec-Butylbenzene

Concen: 67.104 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053037.D

Acq: 20 Dec 2018 3:43

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-FD-1218

Tot Ion:105 Resp: 4315210

Ion Ratio Lower Upper

105 100

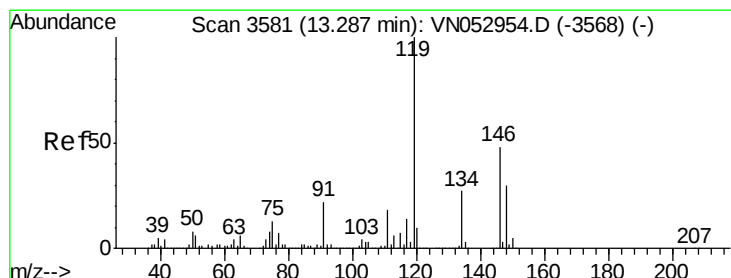
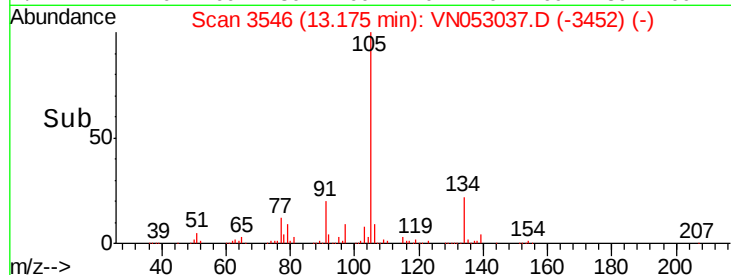
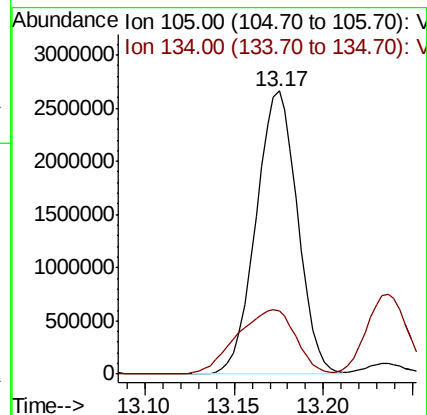
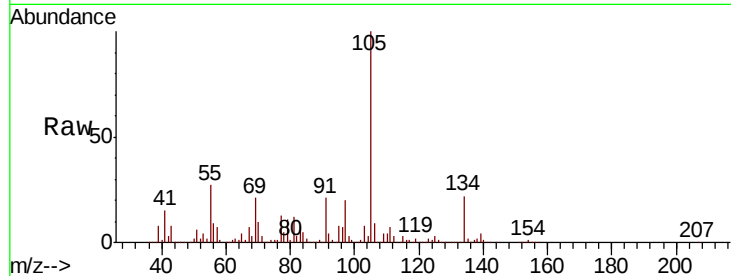
134 32.1 10.1 30.3#

Manual Integrations

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12/20/2018 9:33:27 AM



#86

p-Isopropyltoluene

Concen: 66.172 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053037.D

Acq: 20 Dec 2018 3:43

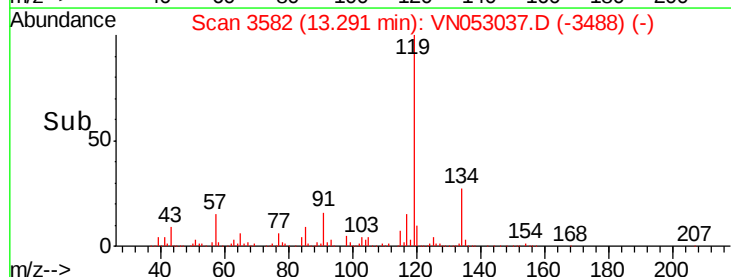
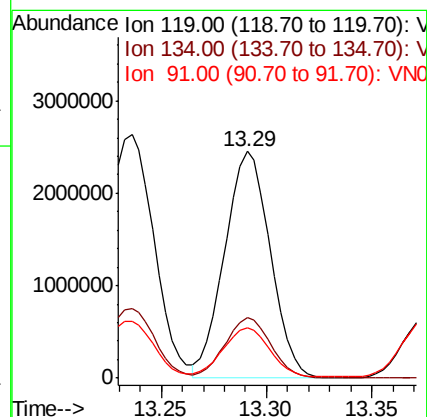
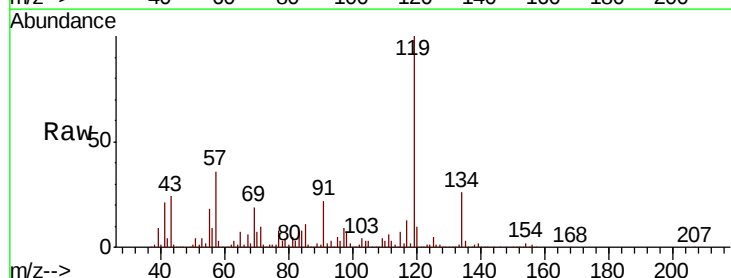
Tgt Ion:119 Resp: 3676925

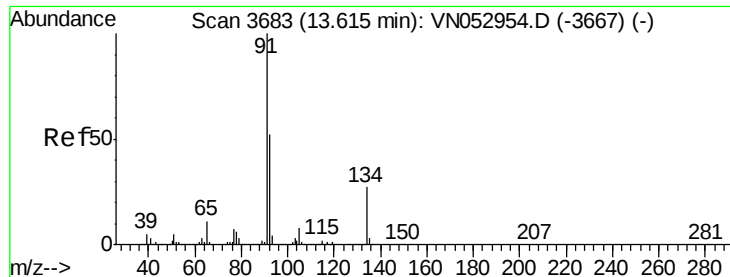
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 22.2 11.1 33.3





#89

n-Butylbenzene

Concen: 91.380 ug/l m

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053037.D

Acq: 20 Dec 2018 3:43

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-FD-1218

Tot Ion: 91 Resp: 4368357

Ion Ratio Lower Upper

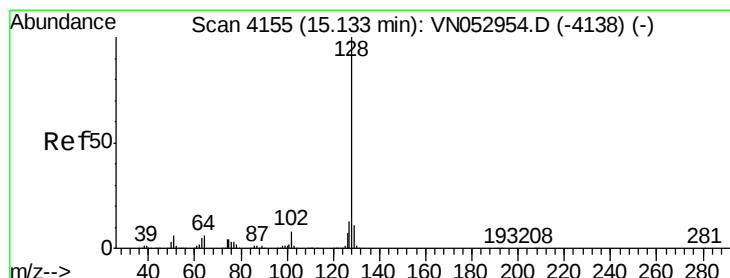
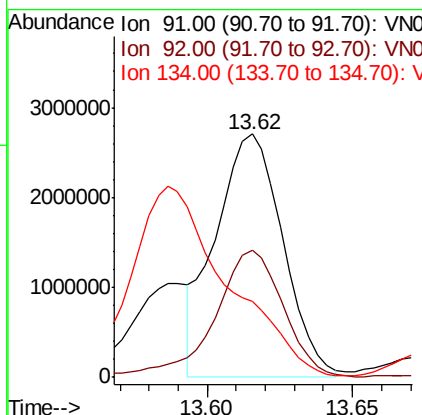
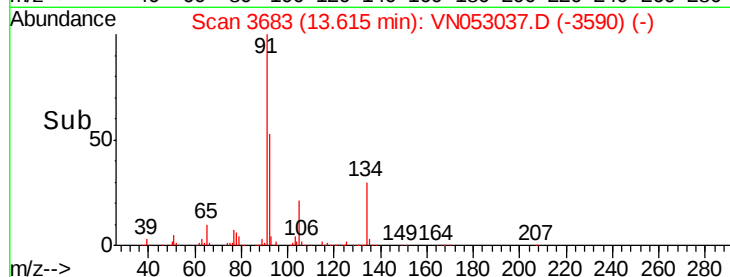
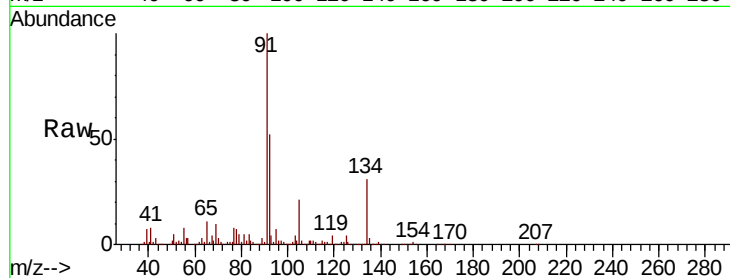
91 100

92 52.1 26.3 78.9

134 0.0 13.3 39.8#

Manual Integrations
APPROVED

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12/20/2018 9:33:27 AM



#95

Naphthalene

Concen: 10.691 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053037.D

Acq: 20 Dec 2018 3:43

Tgt Ion: 128 Resp: 323739

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

129 10.3 8.6 13.0

