

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053036.D
 Acq On : 20 Dec 2018 3:17
 Operator : MD\SY
 Sample : J6411-12 10X
 Misc : 5.72g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 43 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SBR-4B(12-13FT)1218

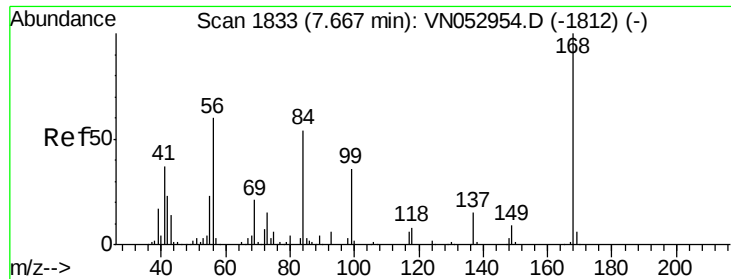
Manual Integrations
 APPROVED

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 12/20/2018 9:33:22 AM

Quant Time: Dec 20 07:54:58 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	1407937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2130878	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1999315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	890106	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	659186	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	
35) Dibromofluoromethane	7.59	113	537446	55.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.42%	
50) Toluene-d8	10.09	98	2716438	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
62) 4-Bromofluorobenzene	12.40	95	1314878	71.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.36%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.08	83	206115	8.296	ug/l	99
67) Ethyl Benzene	11.51	91	188452	2.473	ug/l	100
73) Isopropylbenzene	12.25	105	2284372	32.801	ug/l	99
78) n-propylbenzene	12.59	91	6432865	81.103	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1490665	26.260	ug/l	98
83) tert-Butylbenzene	12.99	119	463861	9.240	ug/l	92
84) 1,2,4-Trimethylbenzene	13.03	105	20169327m	353.445	ug/l	
85) sec-Butylbenzene	13.17	105	3266376	48.102	ug/l #	64
86) p-Isopropyltoluene	13.29	119	3260911	55.575	ug/l	100
89) n-Butylbenzene	13.62	91	2434819	48.234	ug/l #	78
95) Naphthalene	15.13	128	377854	11.696	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: VN053036.D

Acq: 20 Dec 2018 3:17

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-4B(12-13FT)1218

Tot Ion:168 Resp: 1407937

Ion Ratio Lower Upper

168 100

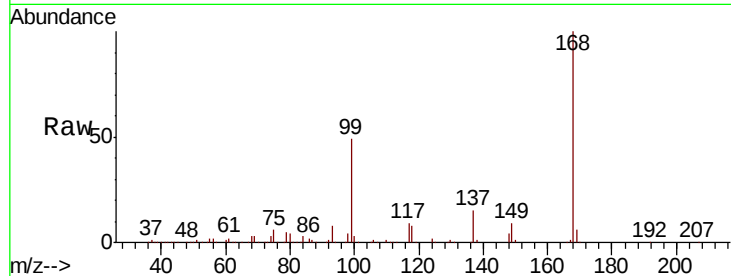
99 49.0 40.2 60.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

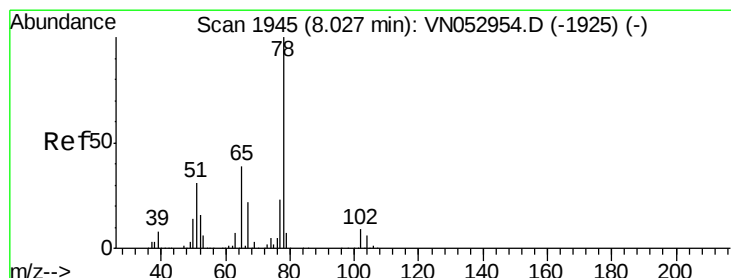
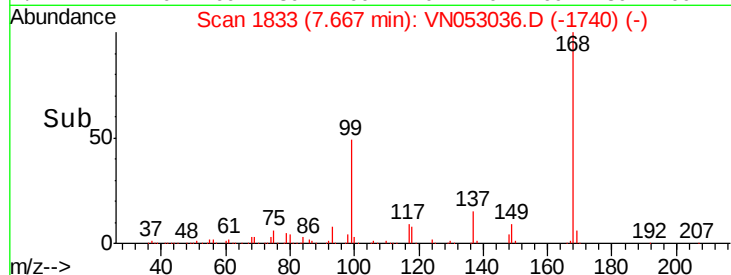
600000

400000

200000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053036.D

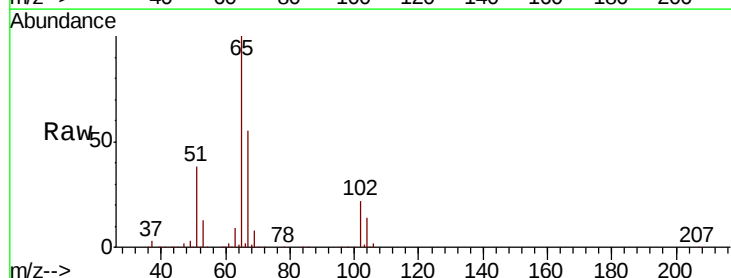
Acq: 20 Dec 2018 3:17

Tgt Ion: 65 Resp: 659186

Ion Ratio Lower Upper

65 100

67 55.5 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

8.03

300000

250000

200000

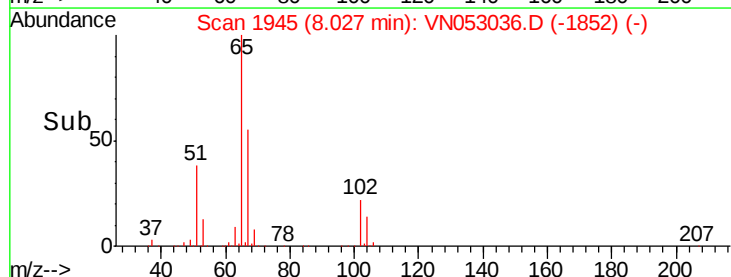
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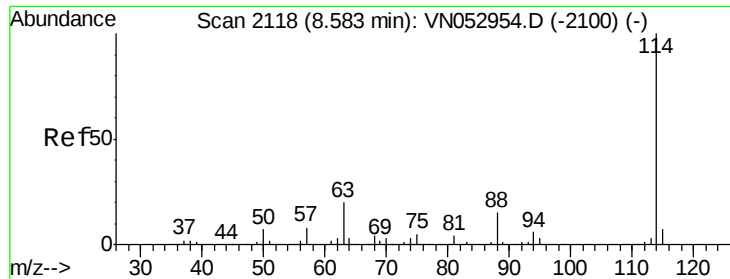
100000

50000

0

Time-->





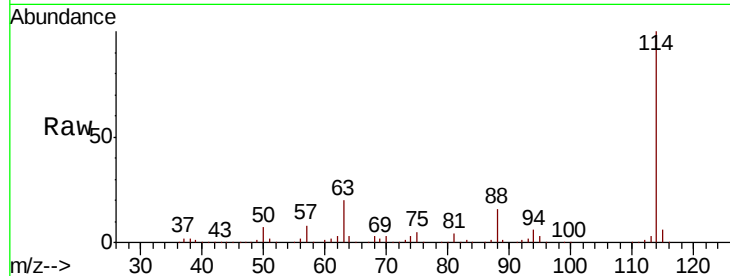
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053036.D
 Acq: 20 Dec 2018 3:17

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SBR-4B(12-13FT)1218

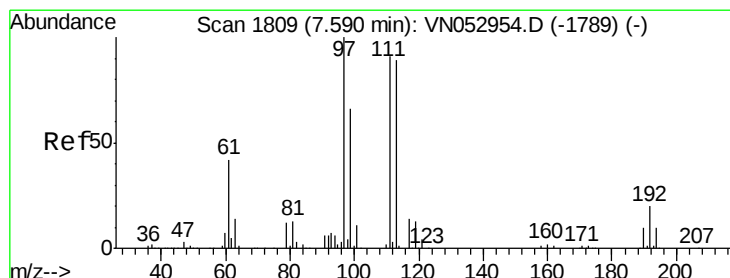
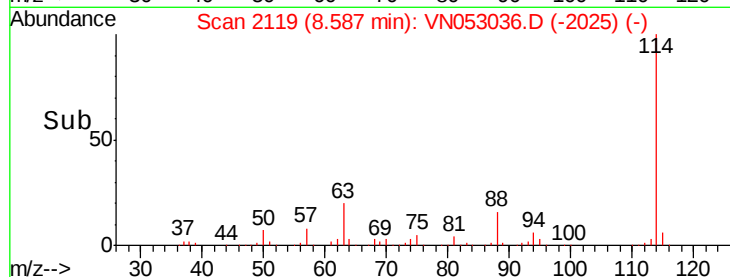
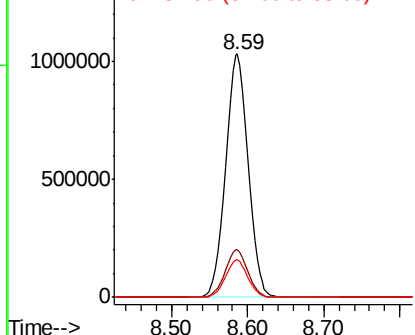
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.8
88	15.5	0.0	31.0

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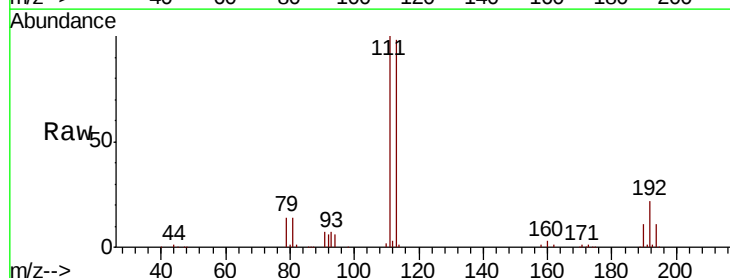


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

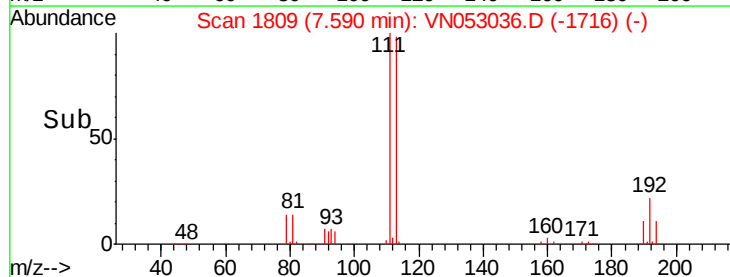
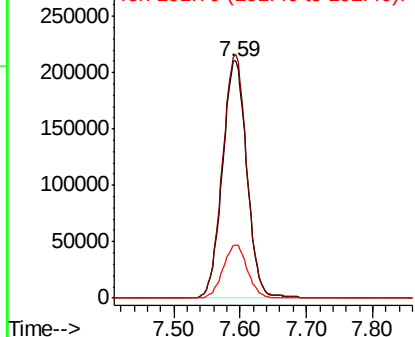


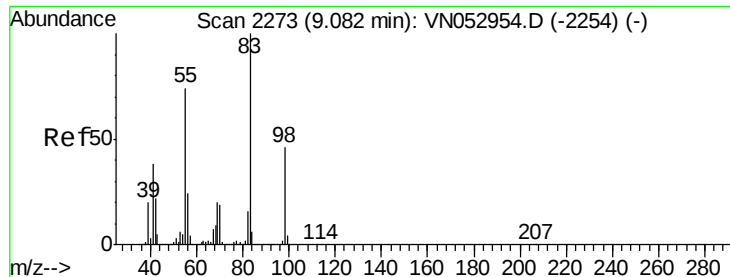
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053036.D
 Acq: 20 Dec 2018 3:17

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.0	124.4
192	22.2	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





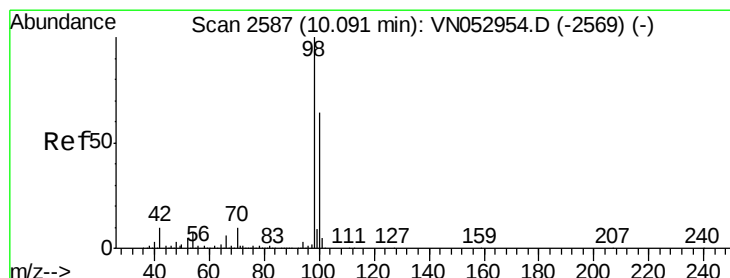
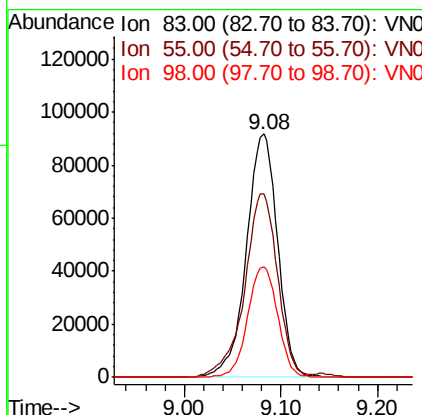
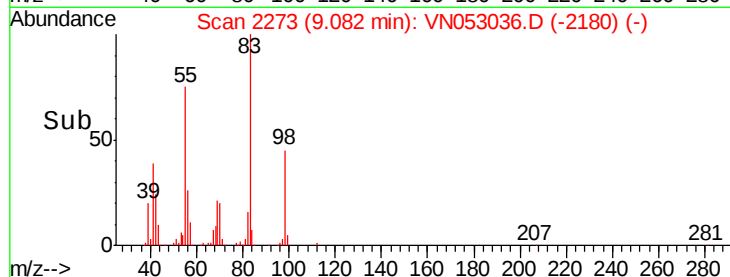
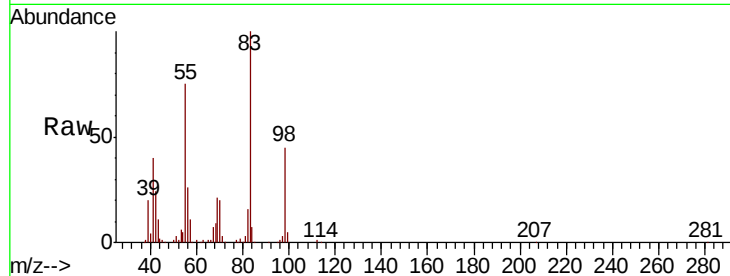
#39
Methylcyclohexane
Concen: 8.296 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053036.D
Acq: 20 Dec 2018 3:17

Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-4B(12-13FT)1218

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.1	61.3	91.9
98	45.4	37.0	55.4

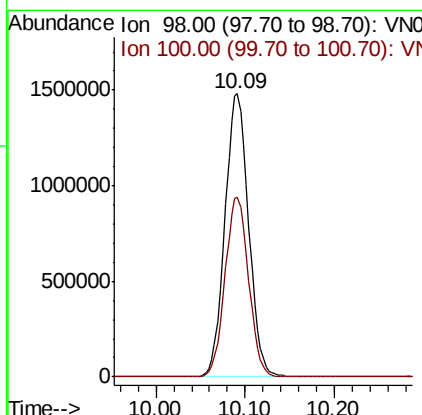
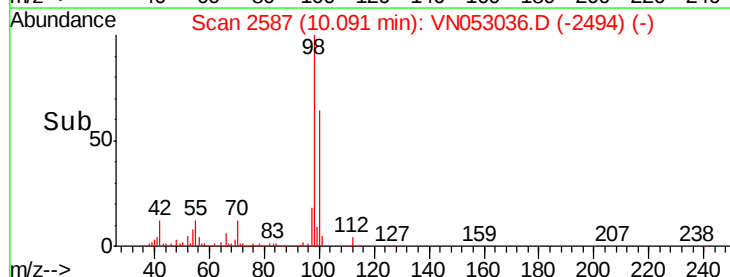
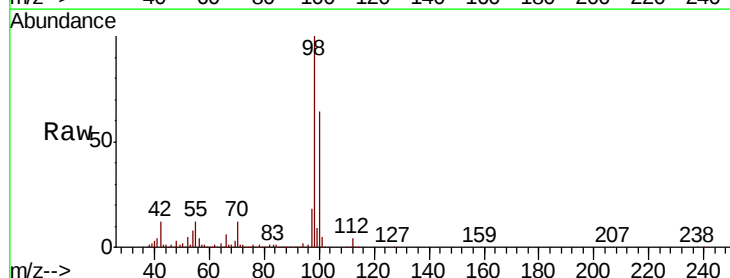
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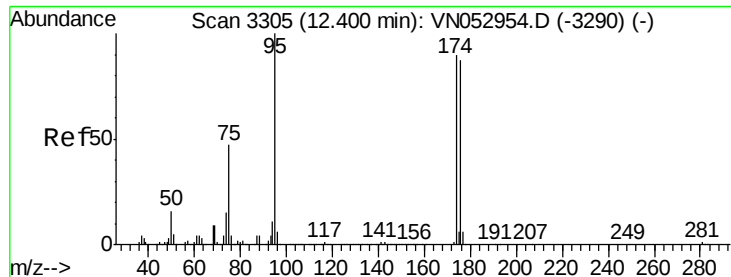
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#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053036.D
Acq: 20 Dec 2018 3:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	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: VN053036.D

Acq: 20 Dec 2018 3:17

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-4B(12-13FT)1218

Tot Ion: 95 Resp: 1314878

Ion Ratio Lower Upper

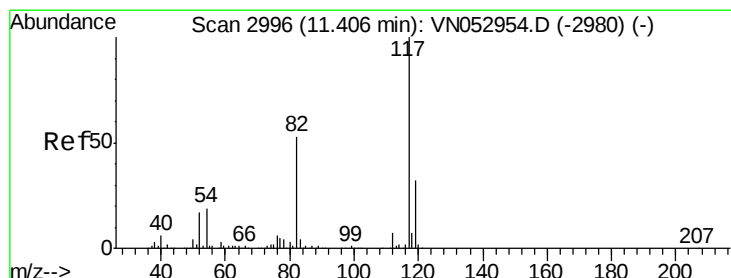
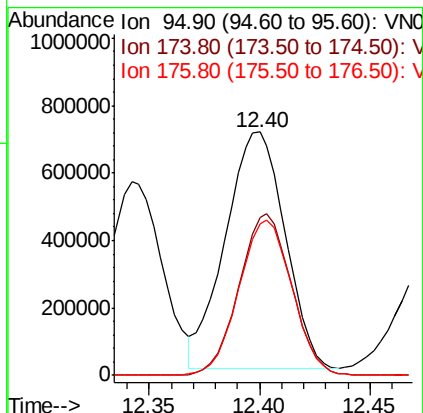
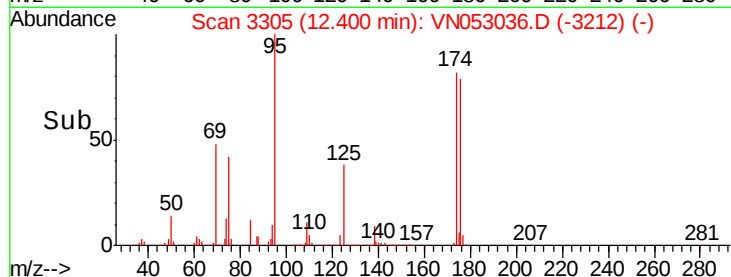
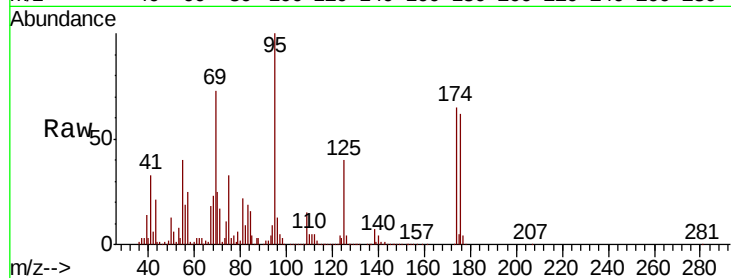
95 100

174 60.2 0.0 178.8

176 58.6 0.0 173.8

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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: VN053036.D

Acq: 20 Dec 2018 3:17

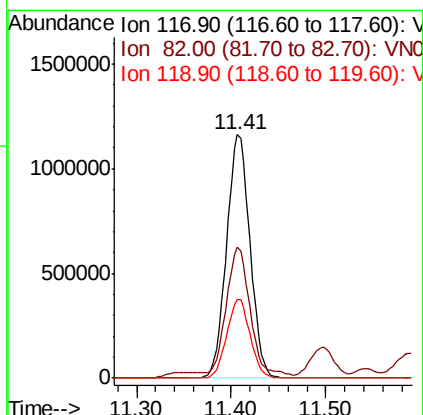
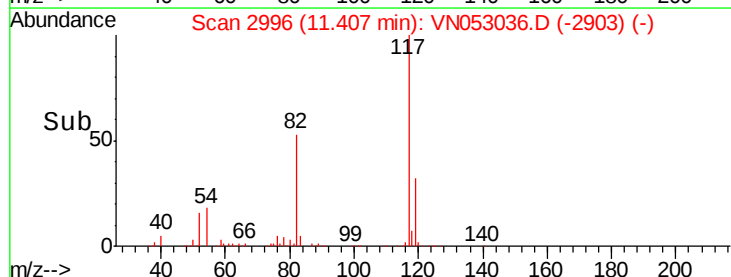
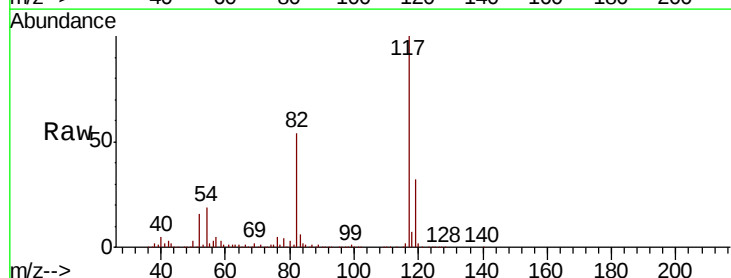
Tgt Ion: 117 Resp: 1999315

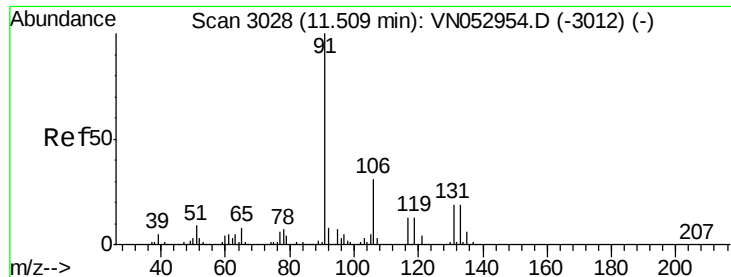
Ion Ratio Lower Upper

117 100

82 51.4 42.8 64.2

119 32.5 25.5 38.3





#67

Ethyl Benzene

Concen: 2.473 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053036.D

Acq: 20 Dec 2018 3:17

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-4B(12-13FT)1218

Tot Ion: 91 Resp: 188452

Ion Ratio Lower Upper

91 100

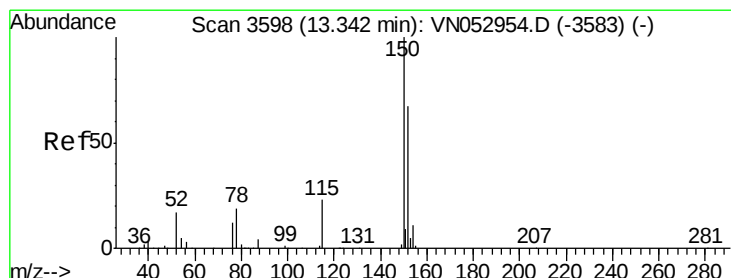
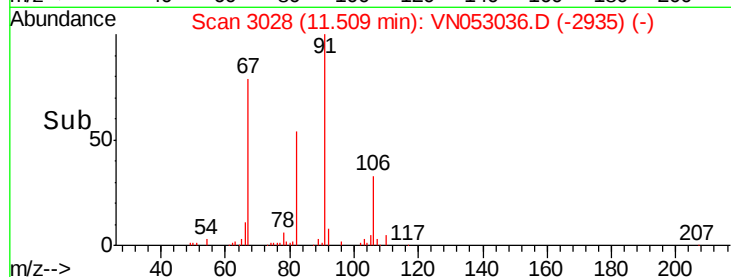
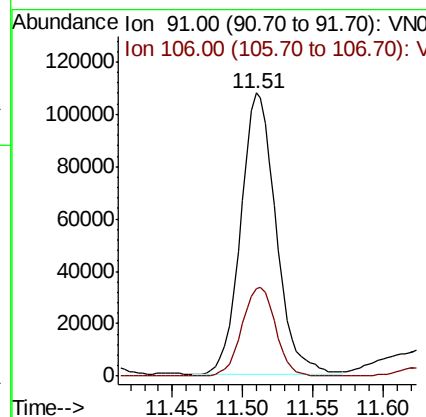
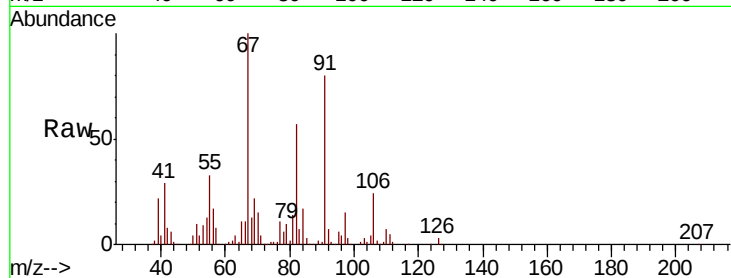
106 30.9 24.9 37.3

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053036.D

Acq: 20 Dec 2018 3:17

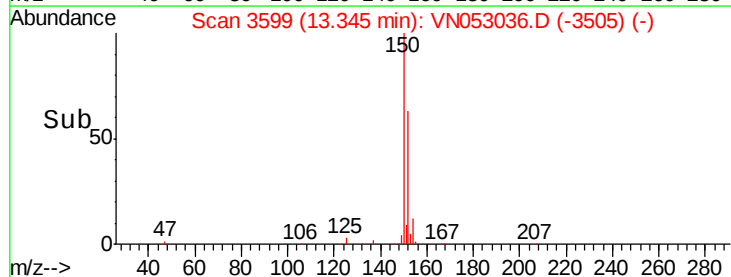
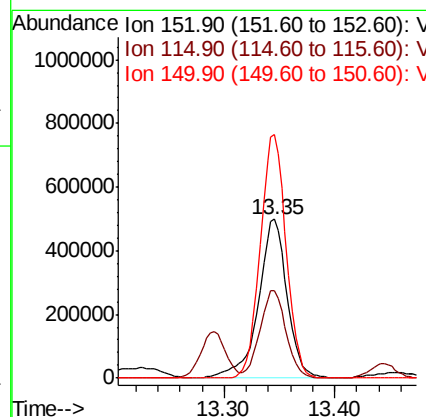
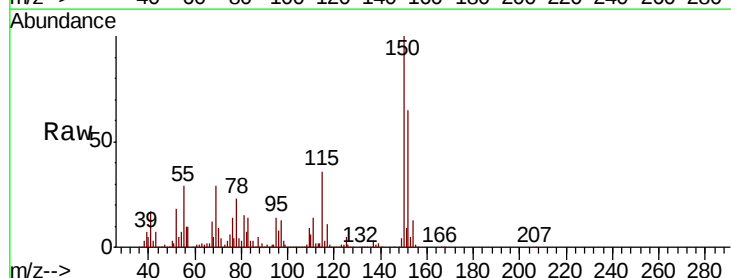
Tgt Ion: 152 Resp: 890106

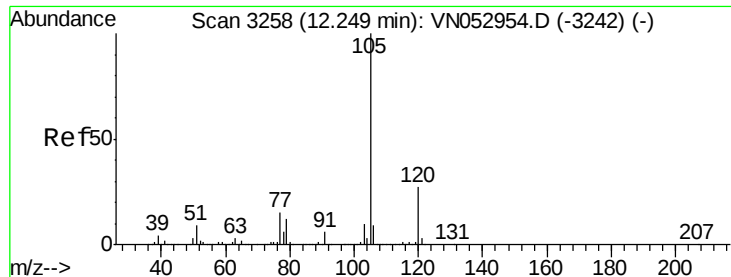
Ion Ratio Lower Upper

152 100

115 49.8 28.3 85.0

150 138.9 0.0 347.8





#73

Isopropylbenzene

Concen: 32.801 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053036.D

Acq: 20 Dec 2018 3:17

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-4B(12-13FT)1218

Tot Ion:105 Resp: 2284372

Ion Ratio Lower Upper

105 100

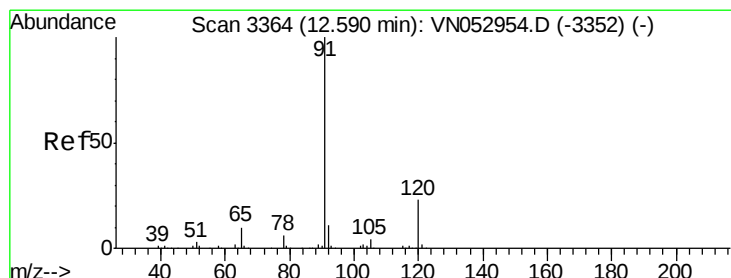
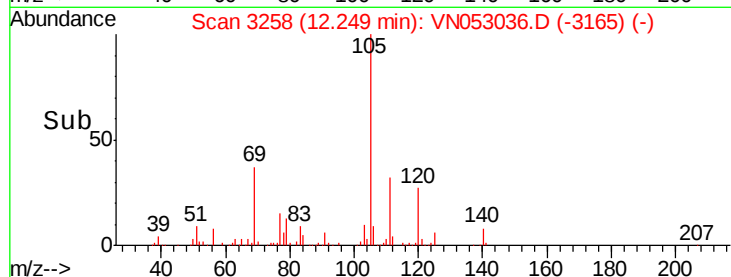
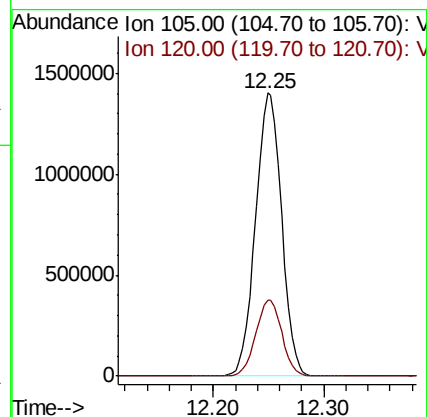
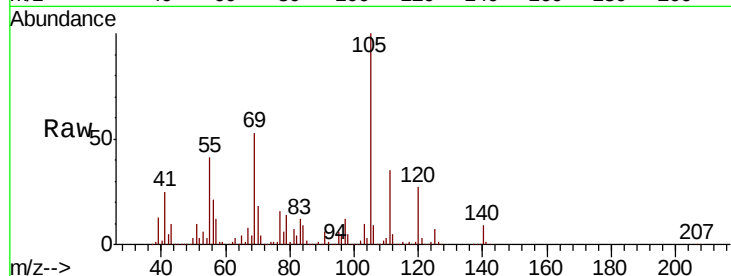
120 26.9 13.3 39.9

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#78

n-propylbenzene

Concen: 81.103 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053036.D

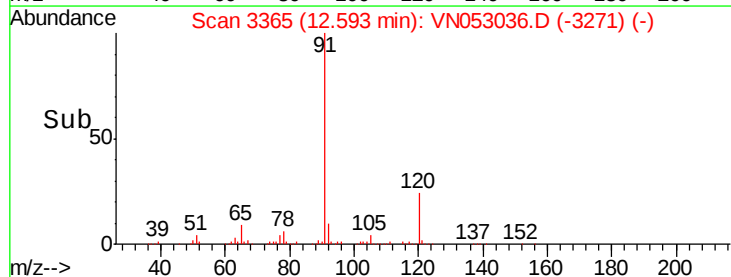
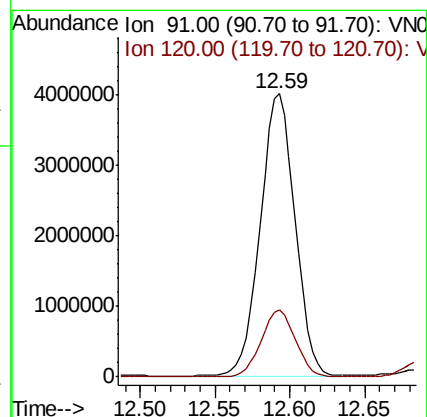
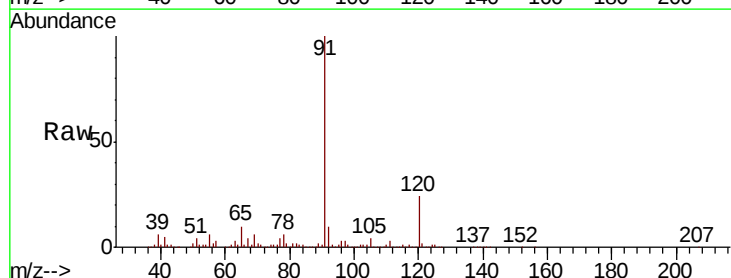
Acq: 20 Dec 2018 3:17

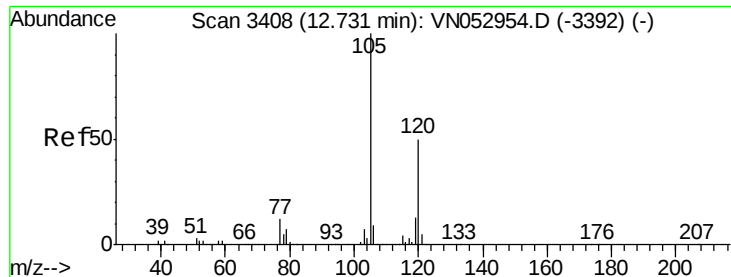
Tgt Ion: 91 Resp: 6432865

Ion Ratio Lower Upper

91 100

120 23.4 11.5 34.5





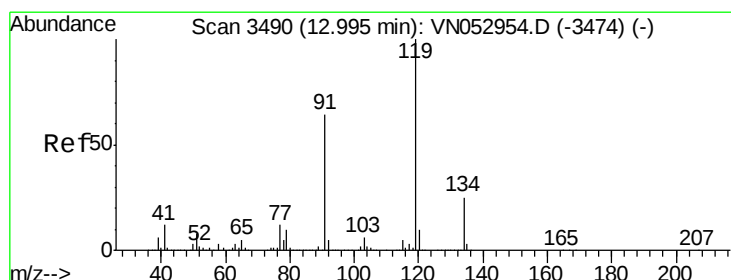
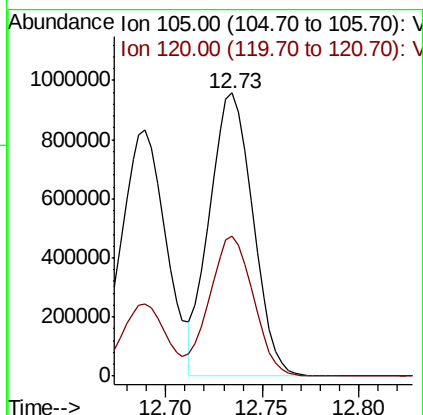
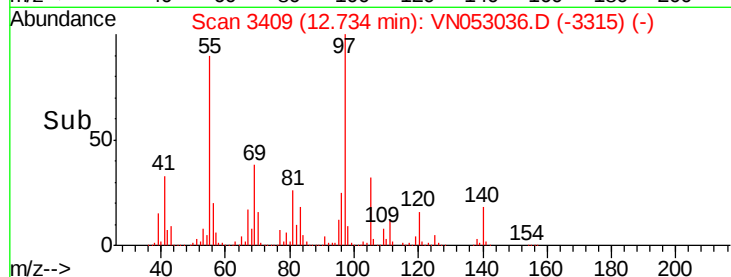
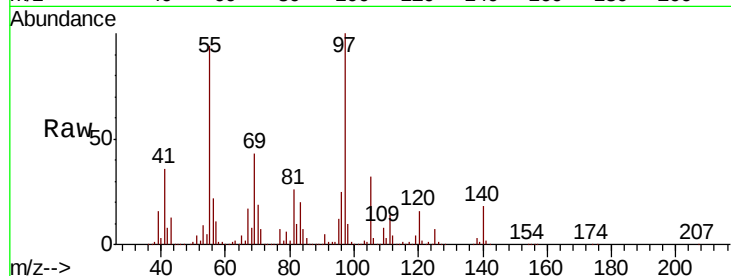
#80
1,3,5-Trimethylbenzene
Concen: 26.260 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. 0.00 min
Lab File: VN053036.D
Acq: 20 Dec 2018 3:17

Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-4B(12-13FT)1218

Tot Ion:105 Resp: 1490665
Ion Ratio Lower Upper
105 100
120 50.3 24.4 73.2

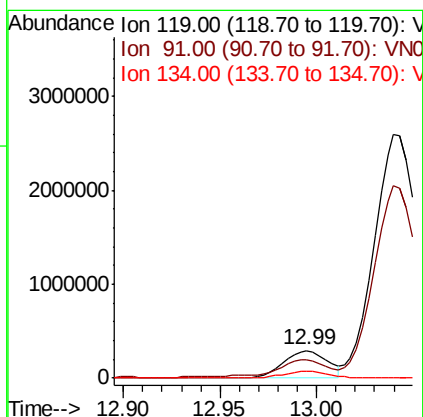
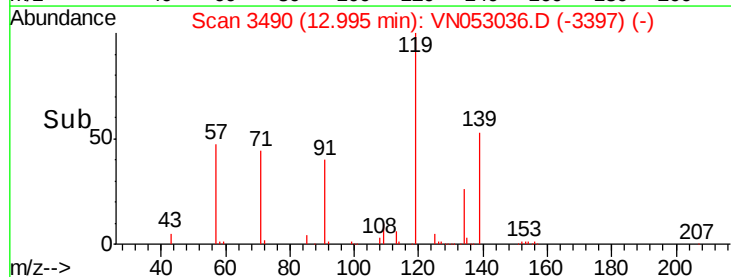
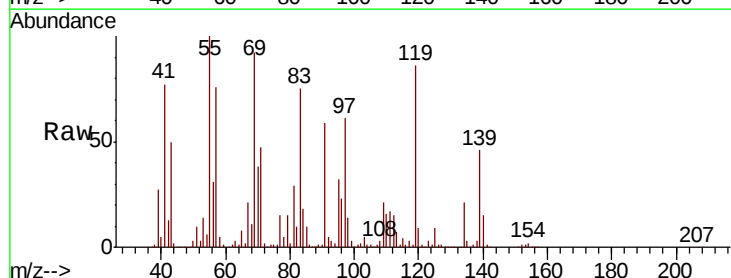
Manual Integrations
APPROVED

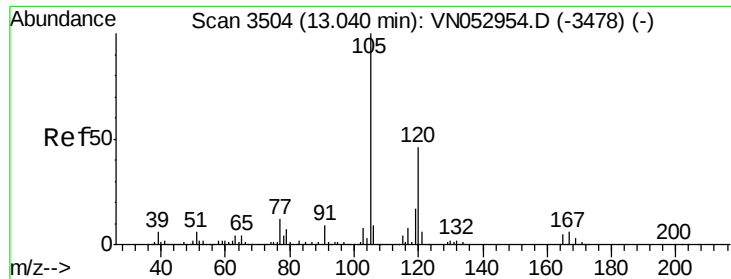
MMDadoda
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#83
tert-Butylbenzene
Concen: 9.240 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053036.D
Acq: 20 Dec 2018 3:17

Tgt Ion:119 Resp: 463861
Ion Ratio Lower Upper
119 100
91 71.9 31.9 95.5
134 25.5 12.8 38.4





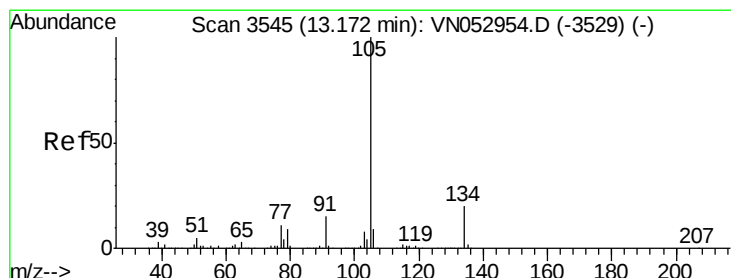
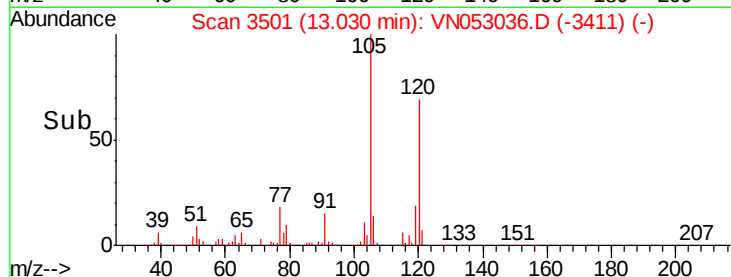
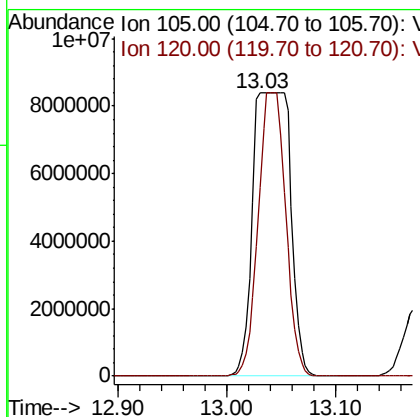
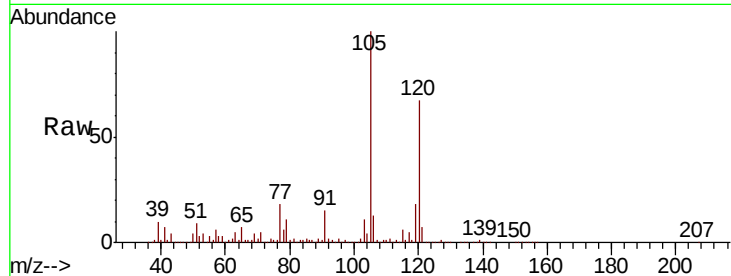
#84
1,2,4-Trimethylbenzene
Concen: 353.445 ug/l m
RT: 13.03 min Scan# 3501
Delta R.T. -0.01 min
Lab File: VN053036.D
Acq: 20 Dec 2018 3:17

Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-4B(12-13FT)1218

Tot Ion:105 Resp:20169327
Ion Ratio Lower Upper
105 100
120 0.0 22.9 68.8#

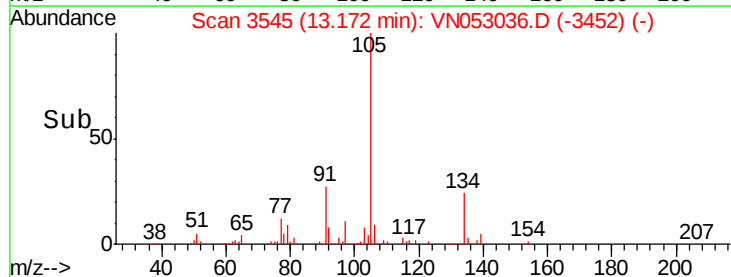
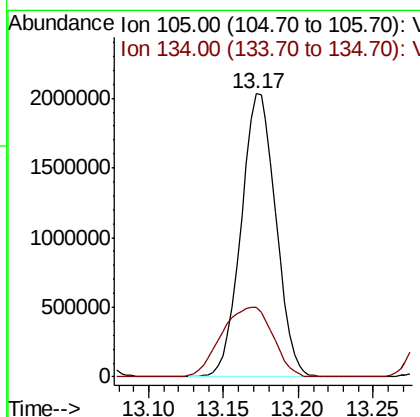
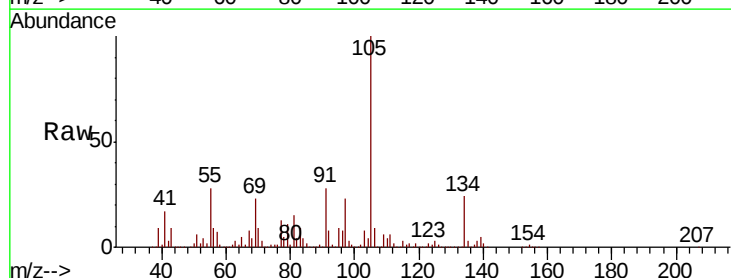
Manual Integrations
APPROVED

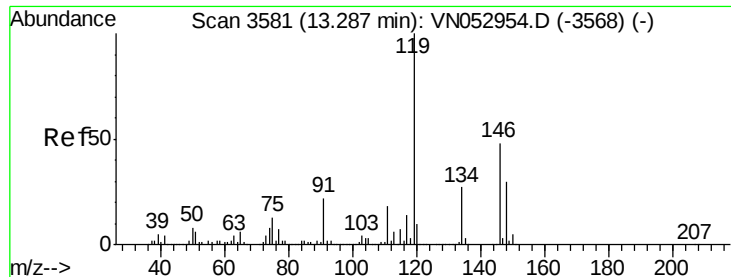
MMDadoda
12/20/2018 9:33:22 AM



#85
sec-Butylbenzene
Concen: 48.102 ug/l
RT: 13.17 min Scan# 3545
Delta R.T. 0.00 min
Lab File: VN053036.D
Acq: 20 Dec 2018 3:17

Tgt Ion:105 Resp: 3266376
Ion Ratio Lower Upper
105 100
134 36.7 10.1 30.3#





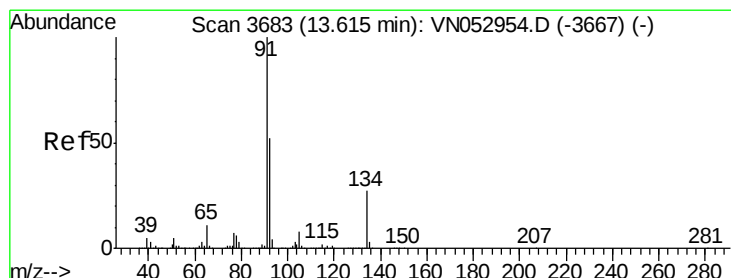
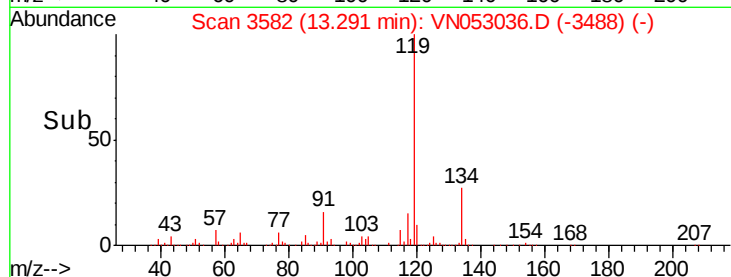
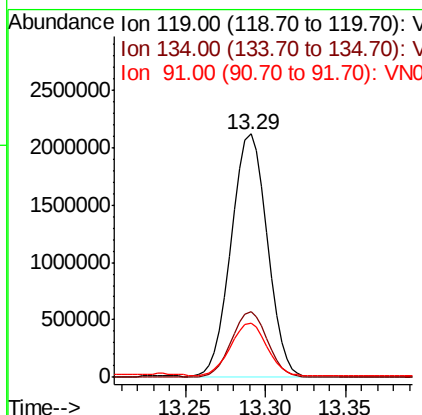
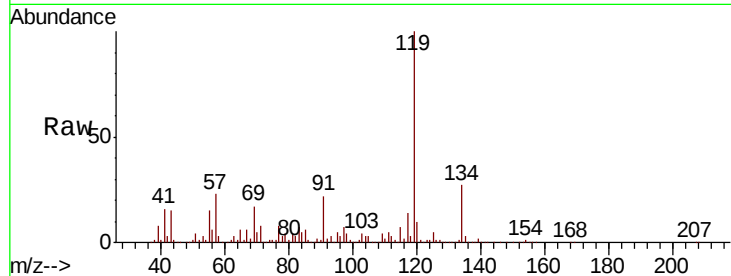
#86
p-Isopropyltoluene
Concen: 55.575 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN053036.D
Acq: 20 Dec 2018 3:17

Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-4B(12-13FT)1218

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.4	40.2
91	22.3	11.1	33.3

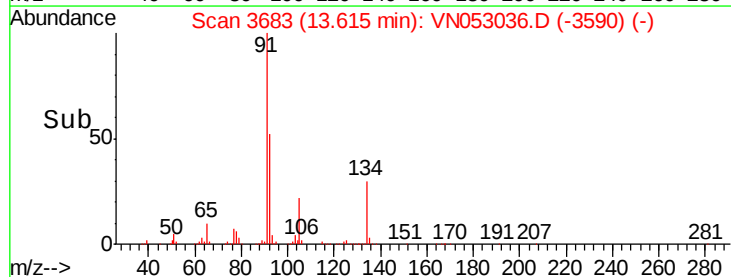
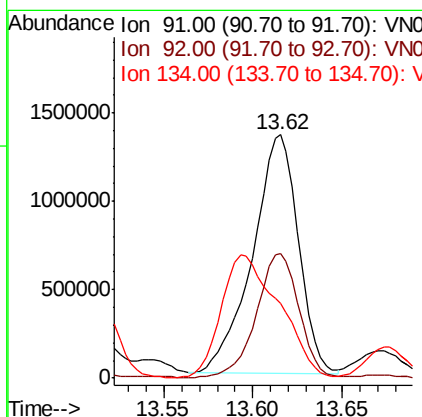
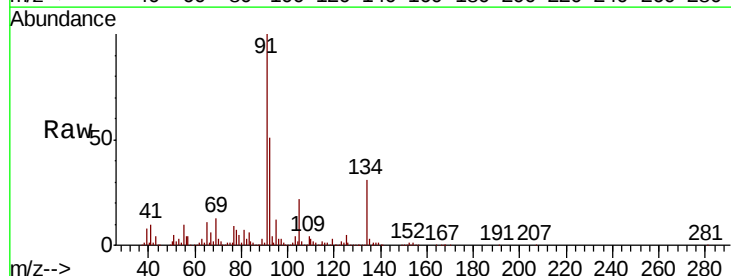
Manual Integrations
APPROVED

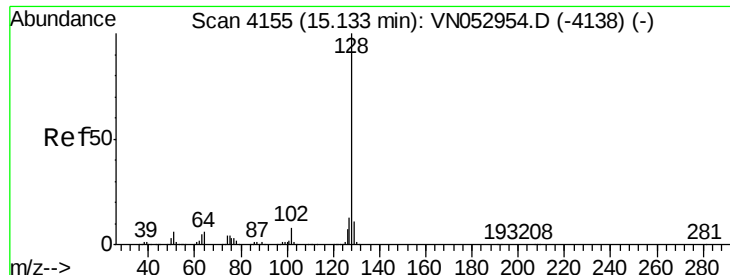
MMDadoda
12/20/2018 9:33:22 AM



#89
n-Butylbenzene
Concen: 48.234 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053036.D
Acq: 20 Dec 2018 3:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	47.8	26.3	78.9
134	0.0	13.3	39.8#





#95
Naphthalene
Concen: 11.696 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053036.D
Acq: 20 Dec 2018 3:17

Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-4B(12-13FT)1218

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.5	10.2	15.4
129	10.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/20/2018 9:33:22 AM

