

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122018\
 Data File : VN053054.D
 Acq On : 20 Dec 2018 14:07
 Operator : MD\SY
 Sample : J6411-13DL 100X
 Misc : 5.24g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 28

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

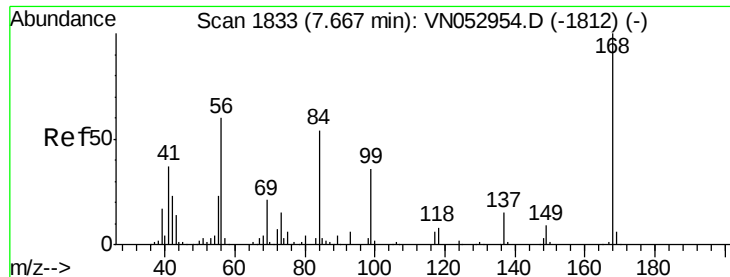
Manual Integrations
 APPROVED

MMDadoda
 12/21/2018 9:21:04 AM

Quant Time: Dec 21 01:02:27 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	1393280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2099216	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1904962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	777367	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	665533	47.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.14%	
35) Dibromofluoromethane	7.59	113	541379	56.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.92%	
50) Toluene-d8	10.09	98	2584273	50.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.40%	
62) 4-Bromofluorobenzene	12.40	95	884742	48.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.92%	
Target Compounds						
					Qvalue	
68) m/p-Xylenes	11.63	106	69935	2.533	ug/l	100
73) Isopropylbenzene	12.25	105	286342	4.708	ug/l	99
78) n-propylbenzene	12.59	91	651348	9.403	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	864285	17.434	ug/l	100
83) tert-Butylbenzene	12.99	119	63949	1.459	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	3909499	78.445	ug/l	99
85) sec-Butylbenzene	13.17	105	463740	7.820	ug/l #	76
86) p-Isopropyltoluene	13.29	119	380493	7.425	ug/l	99
89) n-Butylbenzene	13.62	91	431795m	9.794	ug/l	
95) Naphthalene	15.13	128	27900	2.039	ug/l #	94

(#) = 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: VN053054.D

Acq: 20 Dec 2018 14:07

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-FD-1218DL

Tgt Ion:168 Resp: 1393280

Ion Ratio Lower Upper

168 100

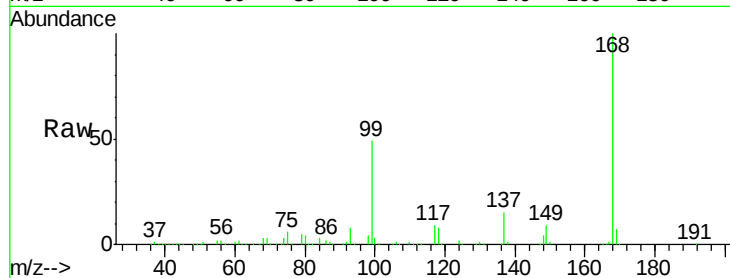
99 49.5 40.2 60.2

Manual Integrations

APPROVED

MMDadoda

12/21/2018 9:21:04 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

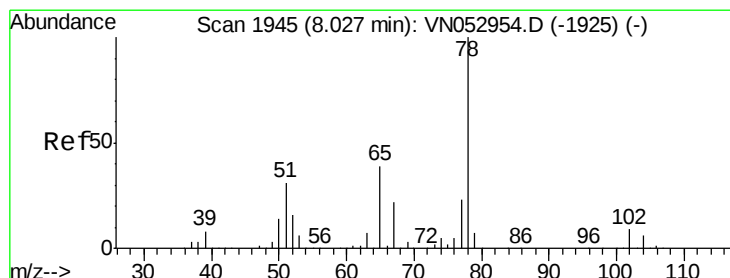
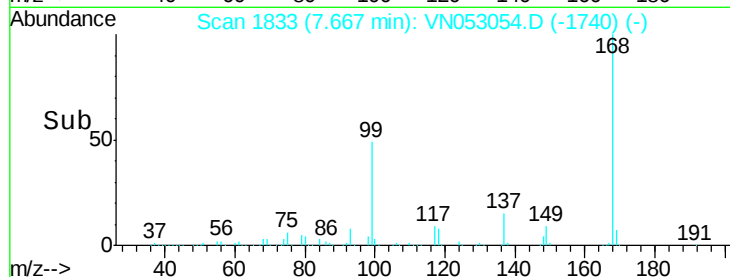
600000

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: VN053054.D

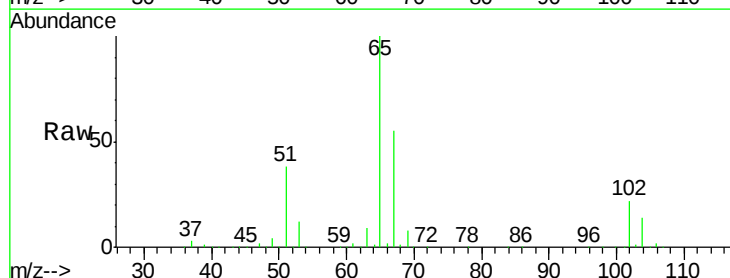
Acq: 20 Dec 2018 14:07

Tgt Ion: 65 Resp: 665533

Ion Ratio Lower Upper

65 100

67 55.4 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

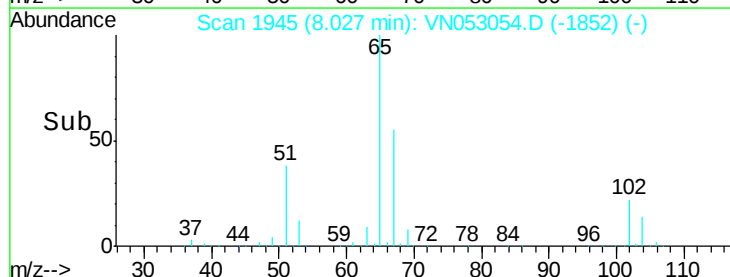
150000

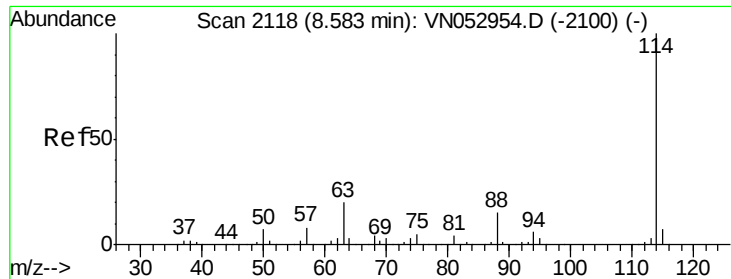
100000

50000

0

Time-->





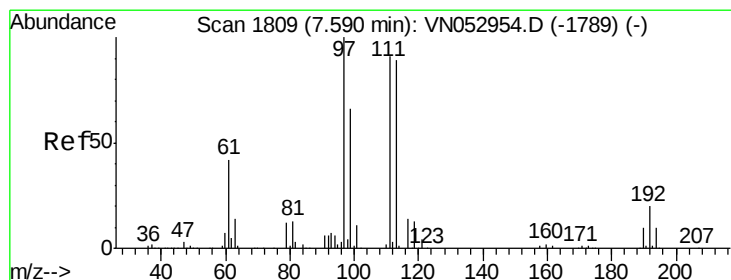
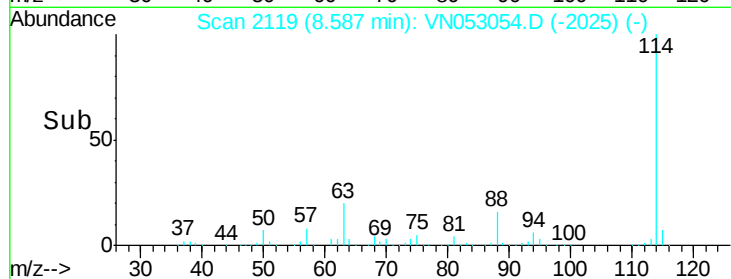
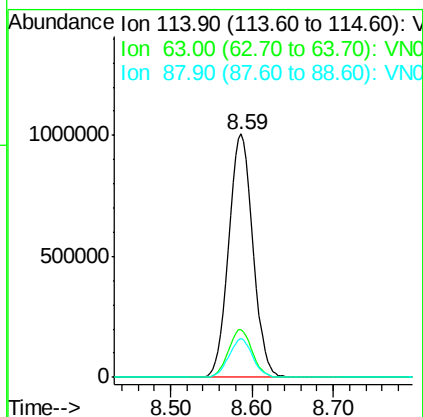
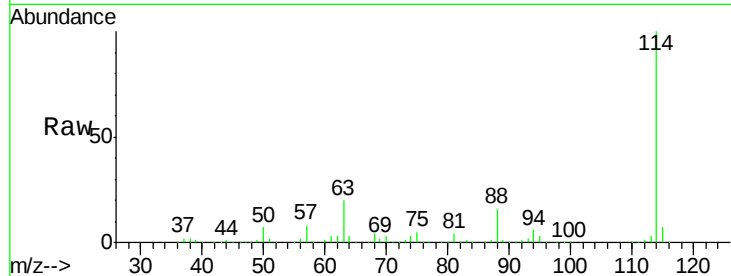
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053054.D
 Acq: 20 Dec 2018 14:07

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

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	2099216		
63	19.6		0.0	39.8
88	15.7		0.0	31.0

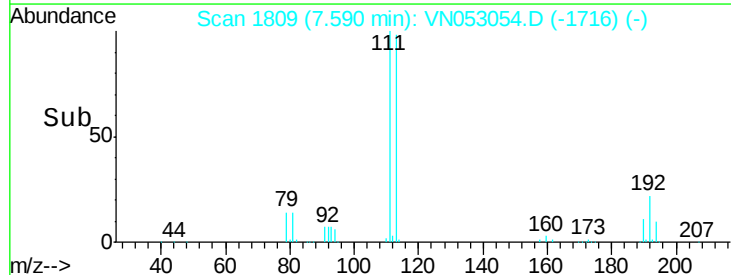
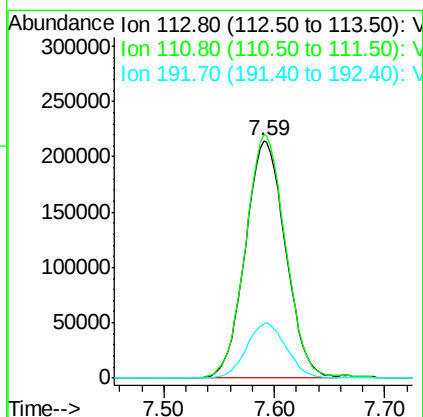
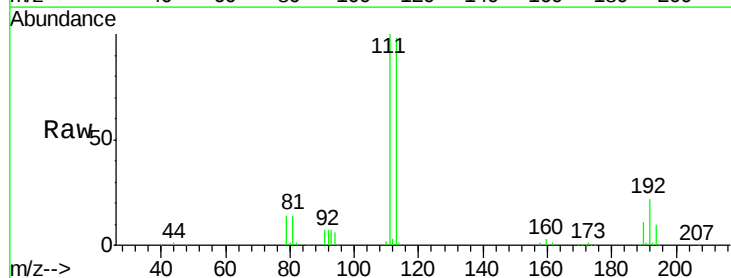
Manual Integrations
 APPROVED

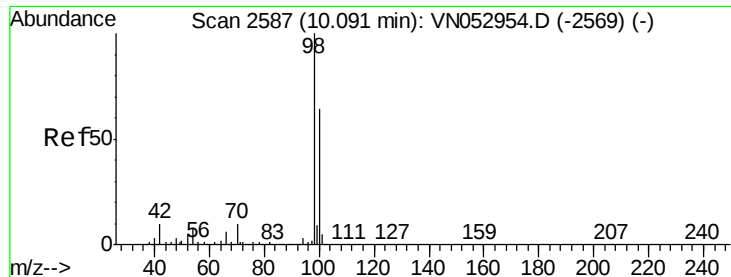
MMDadoda
 12/21/2018 9:21:04 AM



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053054.D
 Acq: 20 Dec 2018 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	541379		
111	102.8		83.0	124.4
192	23.0		17.5	26.3





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053054.D

Acq: 20 Dec 2018 14:07

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-FD-1218DL

Tgt Ion: 98 Resp: 2584273

Ion Ratio Lower Upper

98 100

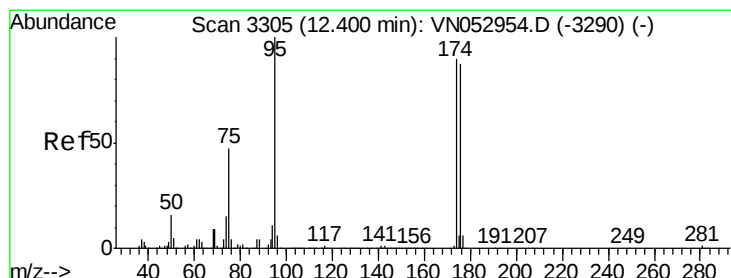
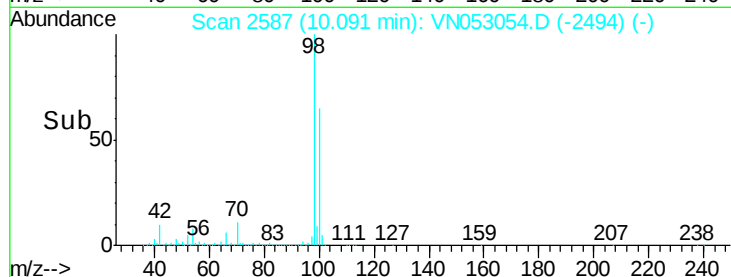
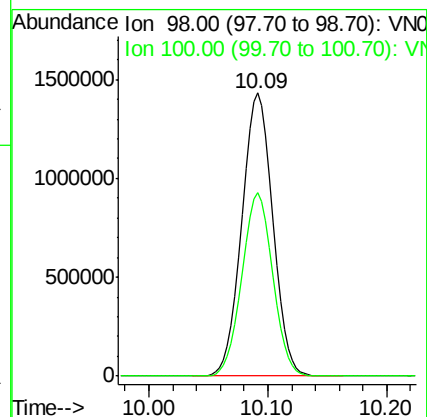
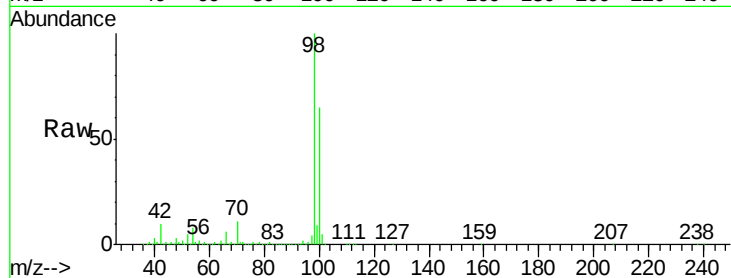
100 64.6 51.6 77.4

Manual Integrations

APPROVED

MMDadoda

12/21/2018 9:21:04 AM



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053054.D

Acq: 20 Dec 2018 14:07

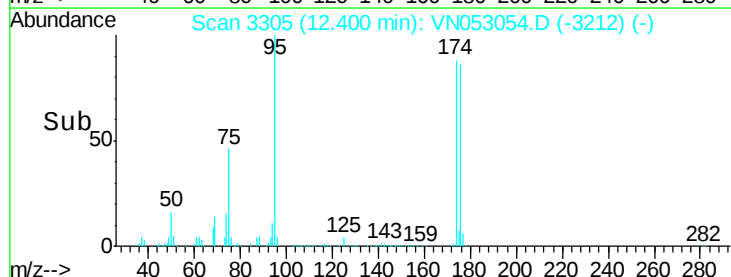
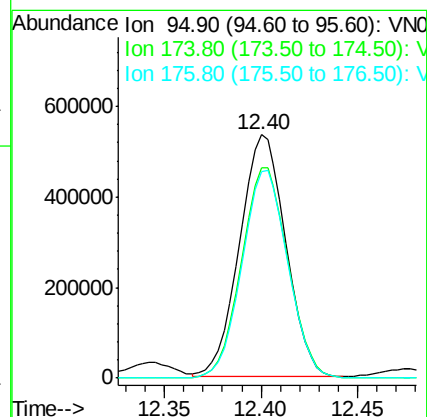
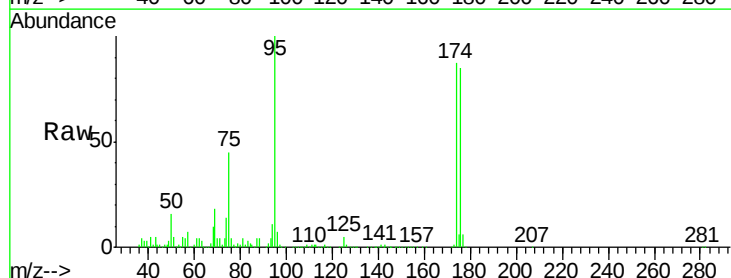
Tgt Ion: 95 Resp: 884742

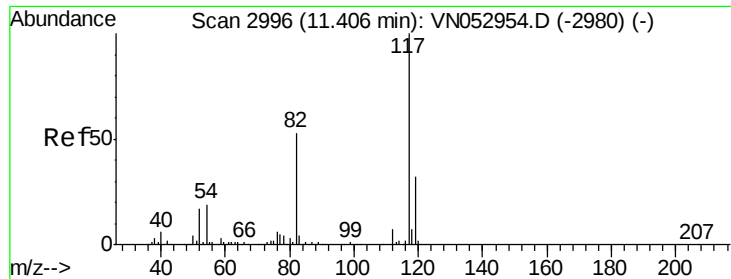
Ion Ratio Lower Upper

95 100

174 87.7 0.0 178.8

176 85.4 0.0 173.8





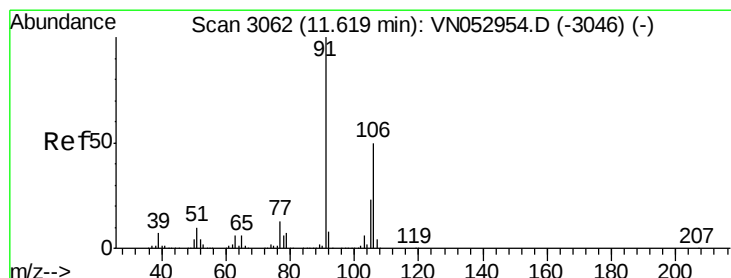
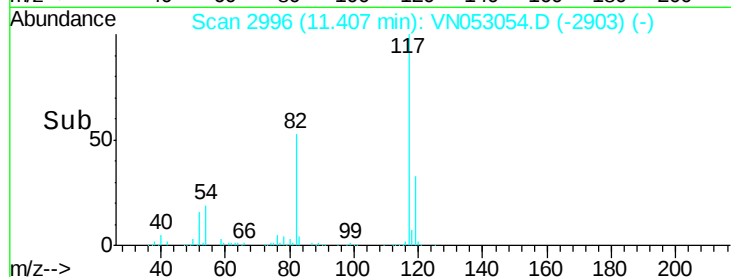
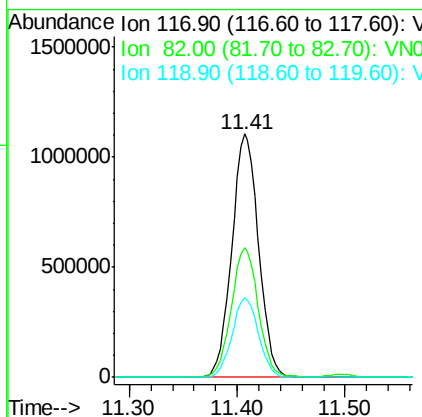
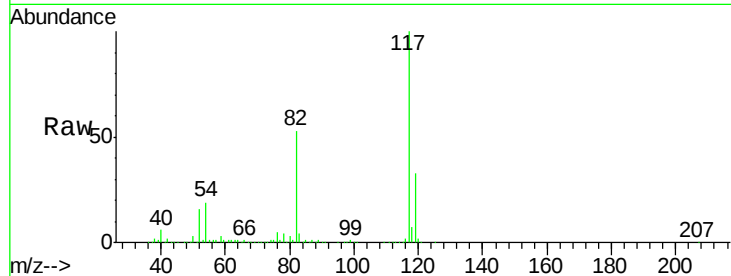
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053054.D
Acq: 20 Dec 2018 14:07

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

Tgt Ion:117 Resp: 1904962
Ion Ratio Lower Upper
117 100
82 52.8 42.8 64.2
119 32.5 25.5 38.3

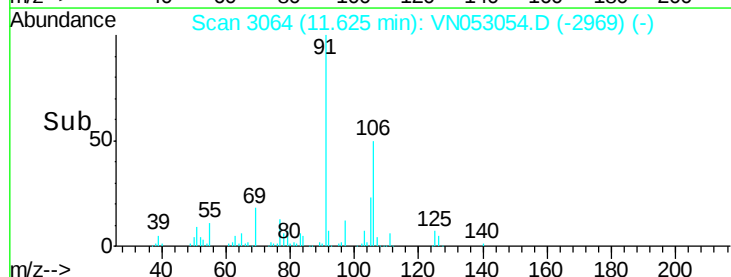
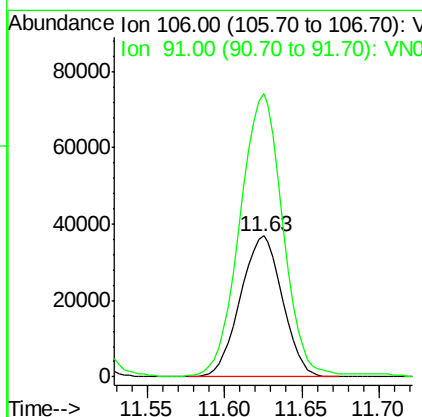
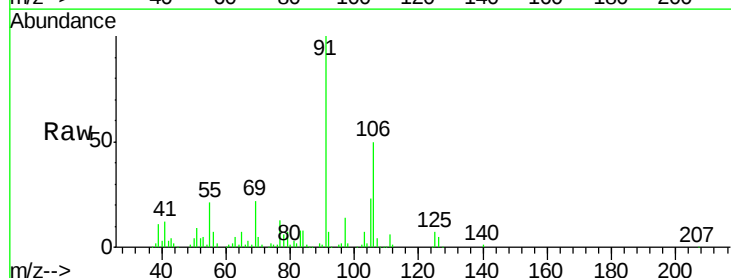
Manual Integrations
APPROVED

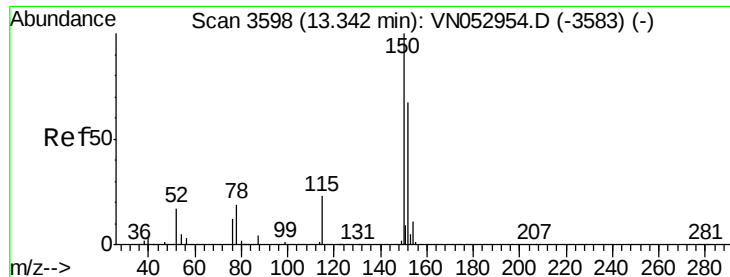
MMDadoda
12/21/2018 9:21:04 AM



#68
m/p-Xylenes
Concen: 2.533 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.01 min
Lab File: VN053054.D
Acq: 20 Dec 2018 14:07

Tgt Ion:106 Resp: 69935
Ion Ratio Lower Upper
106 100
91 203.3 162.2 243.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN053054.D

Acq: 20 Dec 2018 14:07

Instrument :

MSVOA_N

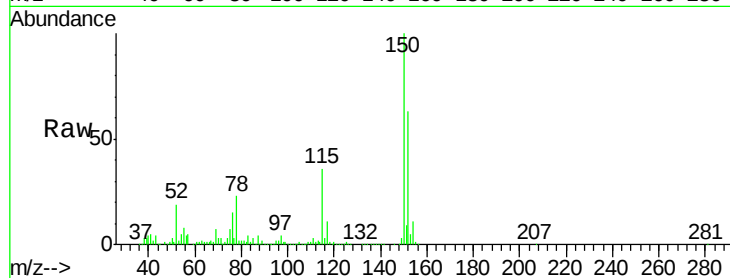
ClientSampleId :

EP1-SBR-FD-1218DL

Tgt	Ion	Resp	Lower	Upper
152	100			
115	61.2	28.3	85.0	
150	155.2	0.0	347.8	

Manual Integrations
APPROVED

MMDadoda
12/21/2018 9:21:04 AM

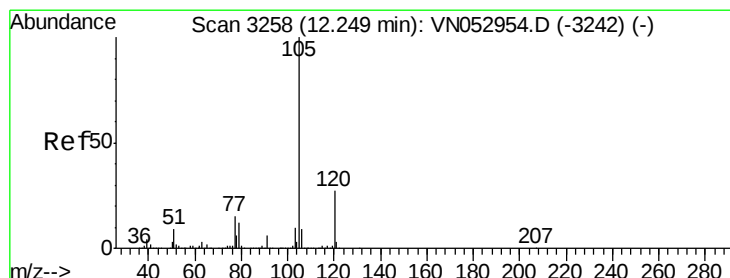
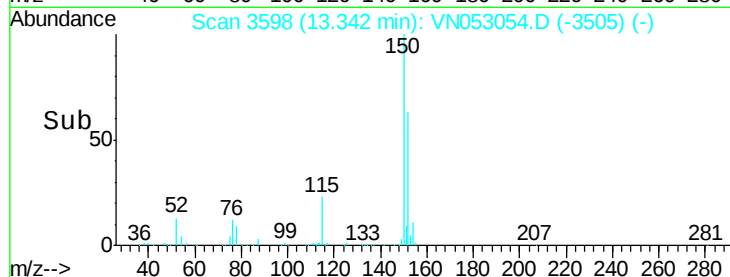
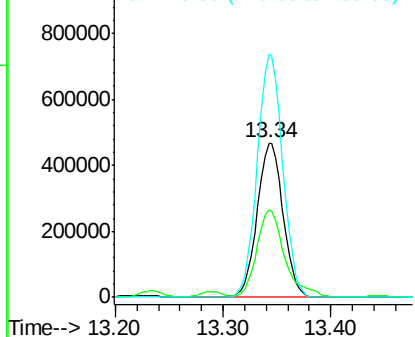


Abundance

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: 4.708 ug/l

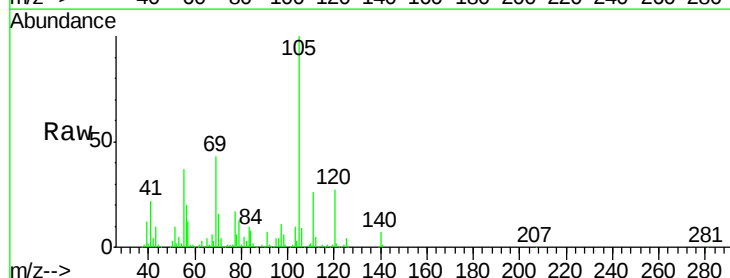
RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053054.D

Acq: 20 Dec 2018 14:07

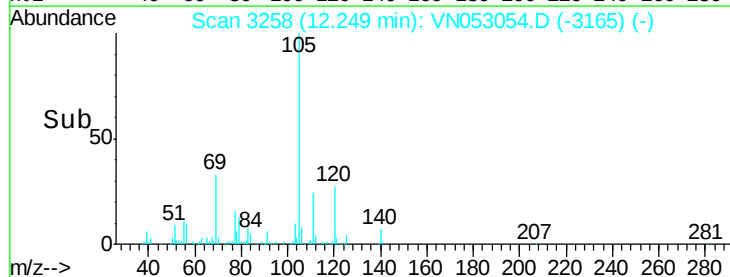
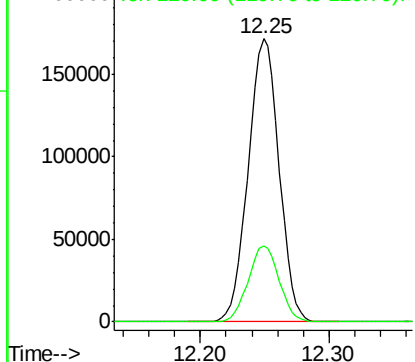
Tgt	Ion	Resp	Lower	Upper
105	100			
120	26.9	13.3	39.9	

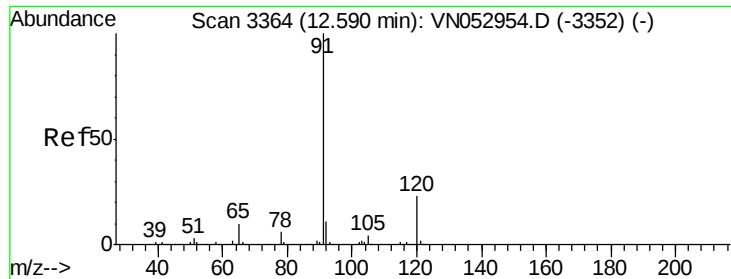


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 9.403 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053054.D

Acq: 20 Dec 2018 14:07

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-FD-1218DL

Tgt Ion: 91 Resp: 651348

Ion Ratio Lower Upper

91 100

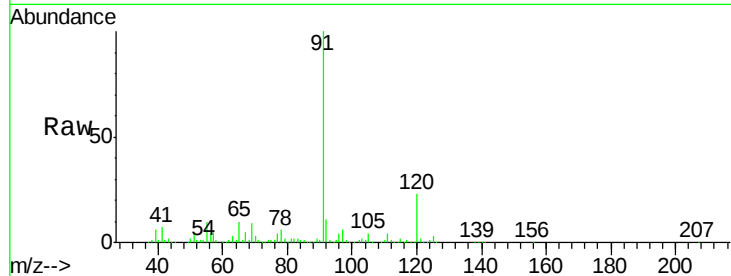
120 23.2 11.5 34.5

Manual Integrations

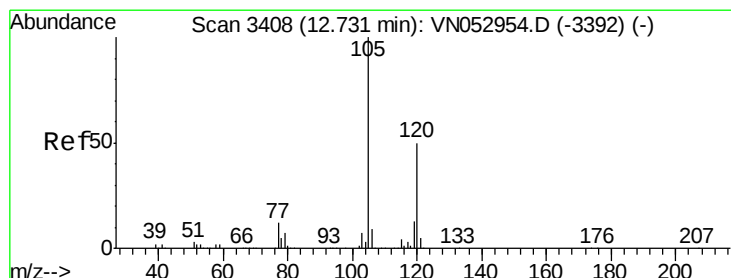
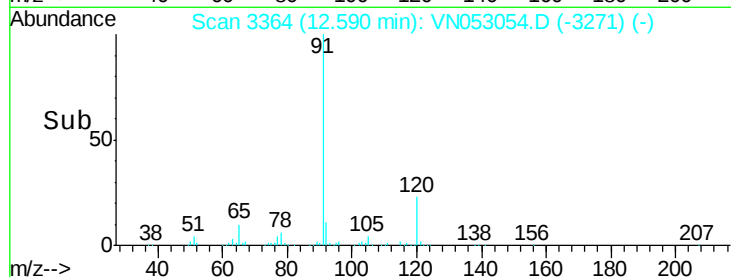
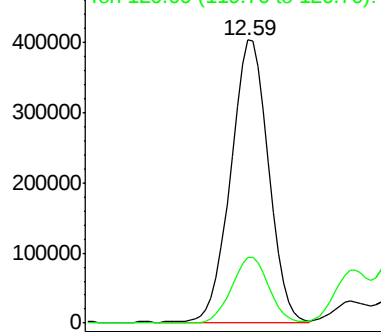
APPROVED

MMDadoda

12/21/2018 9:21:04 AM



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3352) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.434 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053054.D

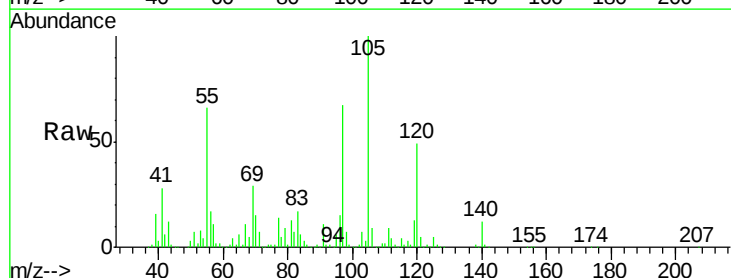
Acq: 20 Dec 2018 14:07

Tgt Ion: 105 Resp: 864285

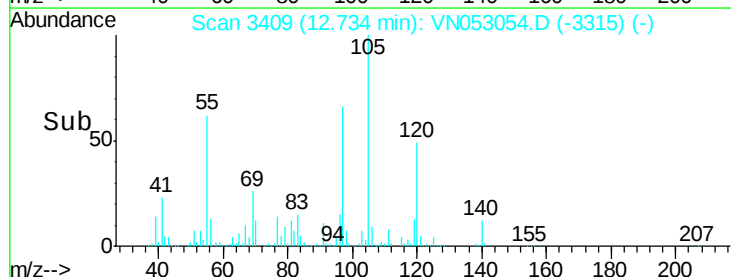
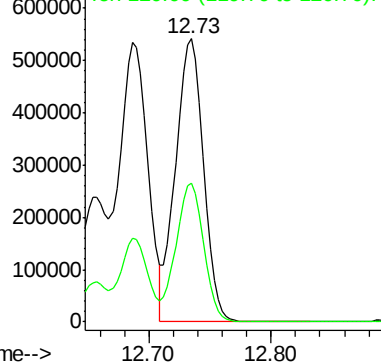
Ion Ratio Lower Upper

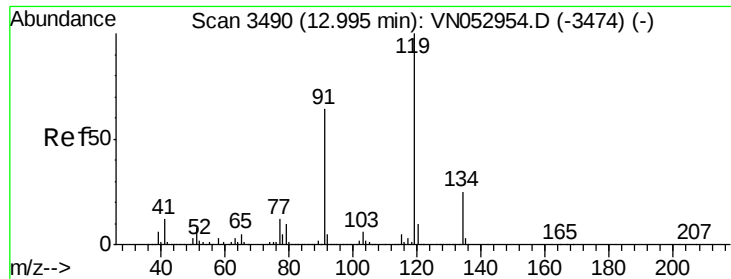
105 100

120 48.7 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052954.D (-3392) (-)





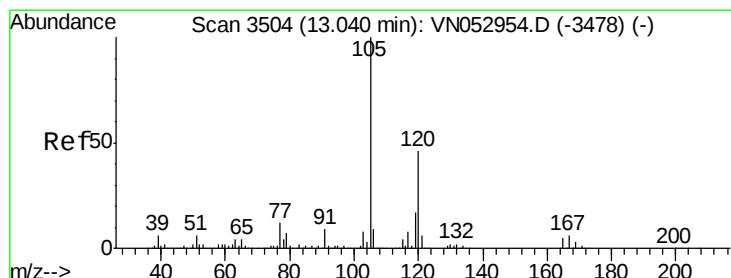
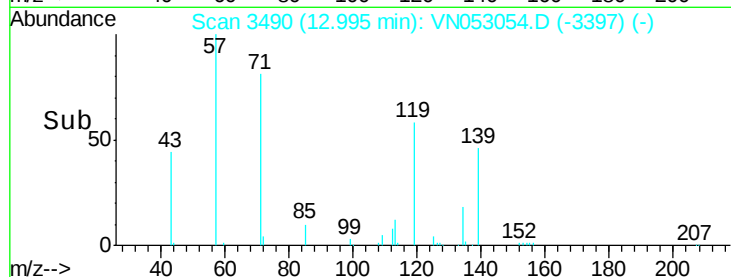
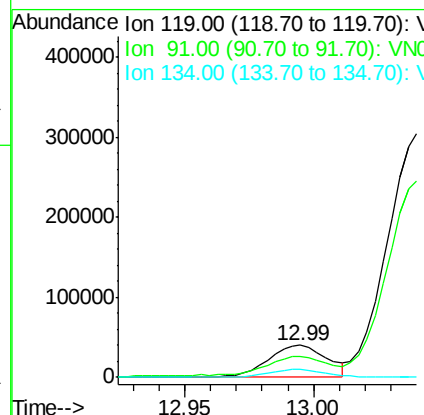
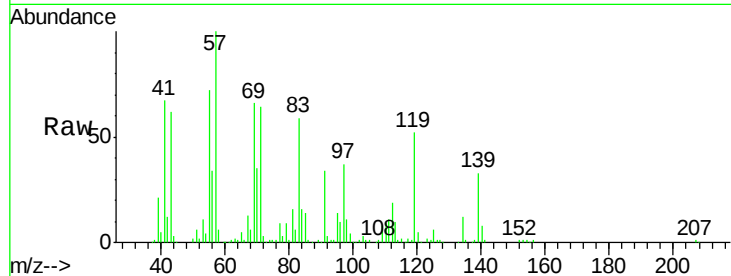
#83
 tert-Butylbenzene
 Concen: 1.459 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053054.D
 Acq: 20 Dec 2018 14:07

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

Tgt Ion	Ratio	Lower	Upper
119	100		
91	68.8	31.9	95.5
134	23.8	12.8	38.4

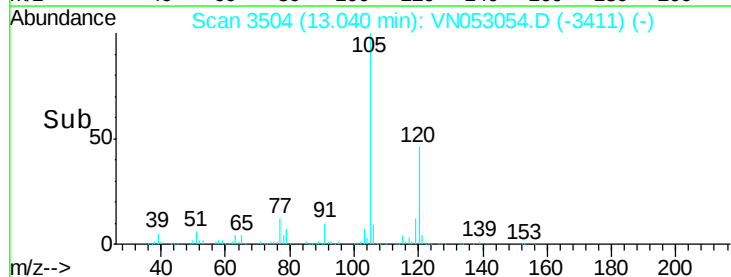
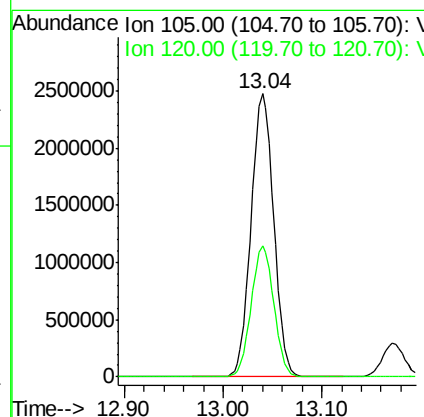
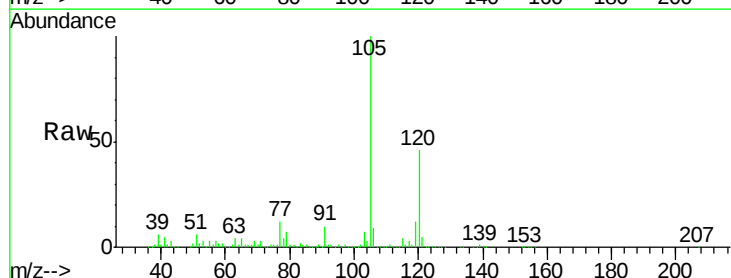
Manual Integrations
 APPROVED

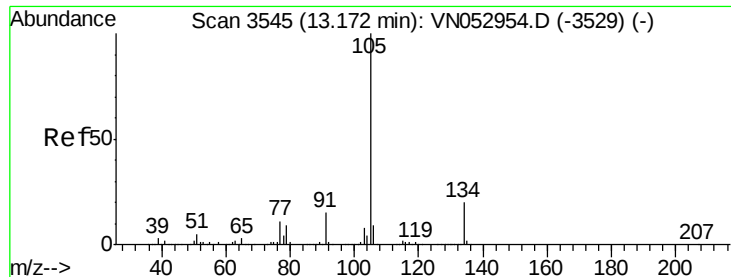
MMDadoda
 12/21/2018 9:21:04 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 78.445 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053054.D
 Acq: 20 Dec 2018 14:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.9	68.8





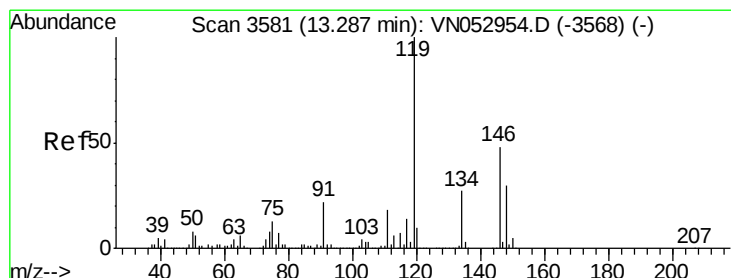
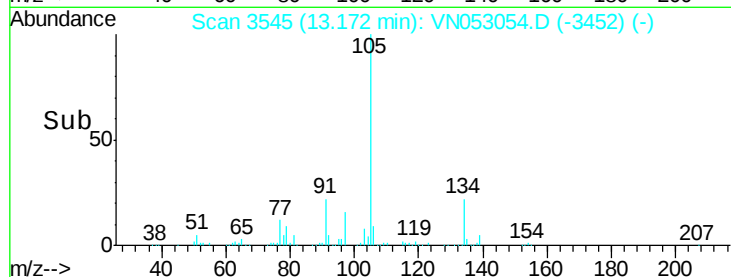
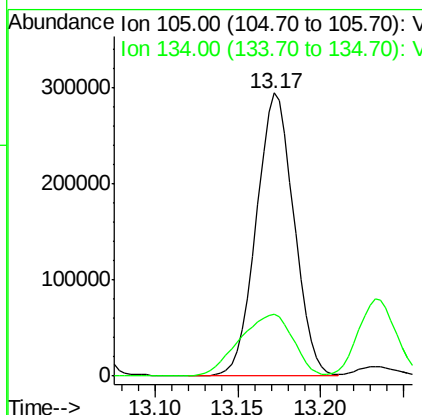
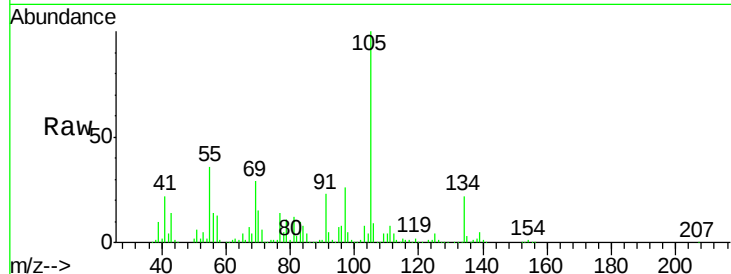
#85
 sec-Butylbenzene
 Concen: 7.820 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053054.D
 Acq: 20 Dec 2018 14:07

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

Tgt Ion:105 Resp: 463740
 Ion Ratio Lower Upper
 105 100
 134 31.2 10.1 30.3#

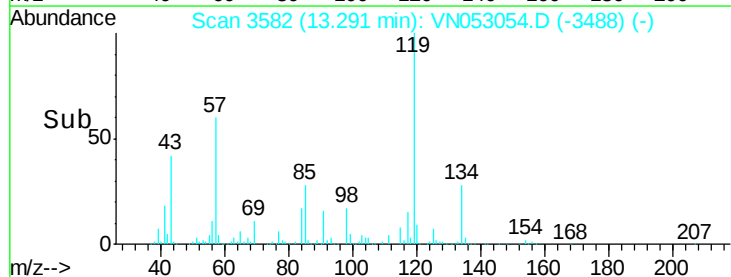
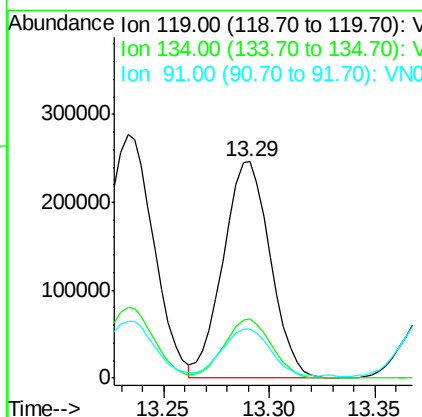
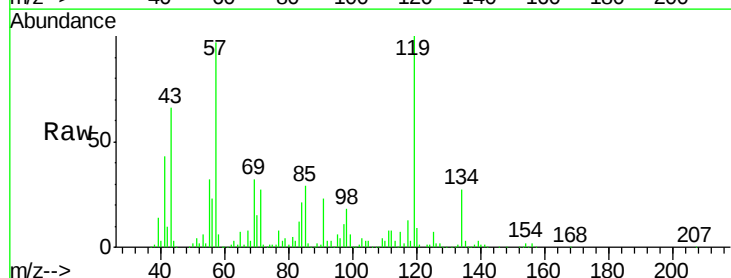
Manual Integrations
 APPROVED

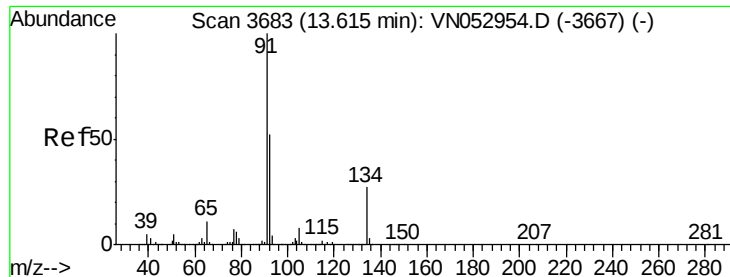
MMDadoda
 12/21/2018 9:21:04 AM



#86
 p-Isopropyltoluene
 Concen: 7.425 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053054.D
 Acq: 20 Dec 2018 14:07

Tgt Ion:119 Resp: 380493
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.4 40.2
 91 21.9 11.1 33.3





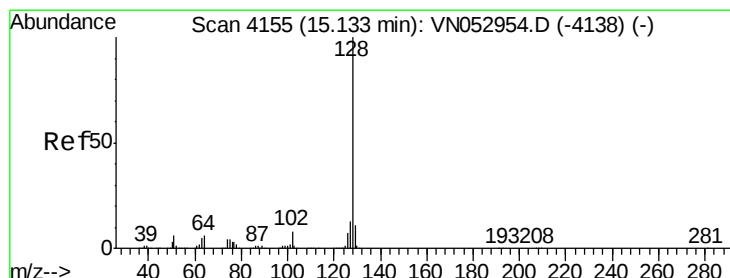
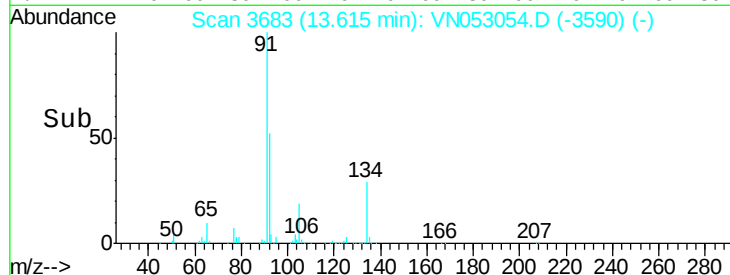
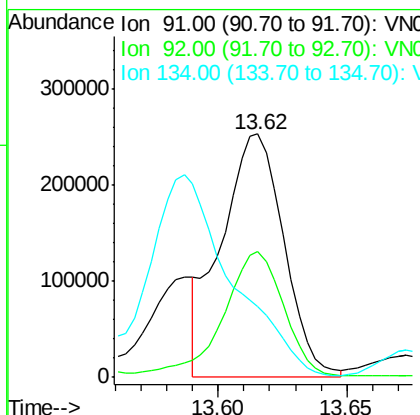
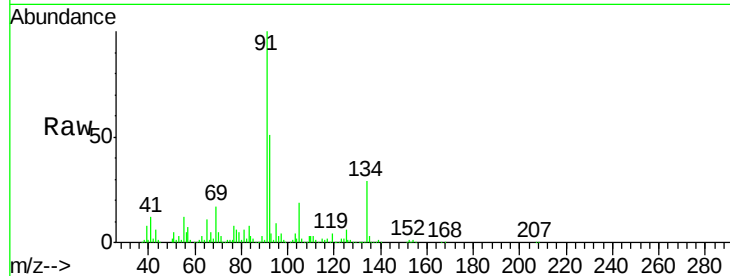
#89
n-Butylbenzene
Concen: 9.794 ug/l m
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053054.D
Acq: 20 Dec 2018 14:07

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

Tgt Ion: 91 Resp: 431795
Ion Ratio Lower Upper
91 100
92 49.4 26.3 78.9
134 0.0 13.3 39.8#

Manual Integrations
APPROVED

MMDadoda
12/21/2018 9:21:04 AM



#95
Naphthalene
Concen: 2.039 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053054.D
Acq: 20 Dec 2018 14:07

Tgt Ion: 128 Resp: 27900
Ion Ratio Lower Upper
128 100
127 14.7 10.2 15.4
129 8.3 8.6 13.0#

