

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053006.D
 Acq On : 19 Dec 2018 13:03
 Operator : MD\SY
 Sample : J6378-10ME 10X
 Misc : 3.02/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD012-0006-01ME

Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 9:34:36 AM

Quant Time: Mar 01 04:08:53 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	1314387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2007064	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1876801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	854734	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	645244	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	
35) Dibromofluoromethane	7.59	113	502577	54.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.64%	
50) Toluene-d8	10.09	98	2494791	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.40	95	890945	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.66	56	41428m	0.760	ug/l	
39) Methylcyclohexane	9.08	83	37775	1.614	ug/l	96
65) Chlorobenzene	11.43	112	209106	5.026	ug/l	99
68) m/p-Xylenes	11.62	106	3212800	118.122	ug/l	100
69) o-Xylene	11.95	106	16644	0.638	ug/l	100
78) n-propylbenzene	12.59	91	57144	0.750	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	82560	1.515	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	278029	5.074	ug/l	99
86) p-Isopropyltoluene	13.29	119	54710	0.971	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	42565	1.383	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	381892	12.257	ug/l	99
89) n-Butylbenzene	13.61	91	10849	0.224	ug/l #	71
95) Naphthalene	15.13	128	118593	4.595	ug/l	99

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

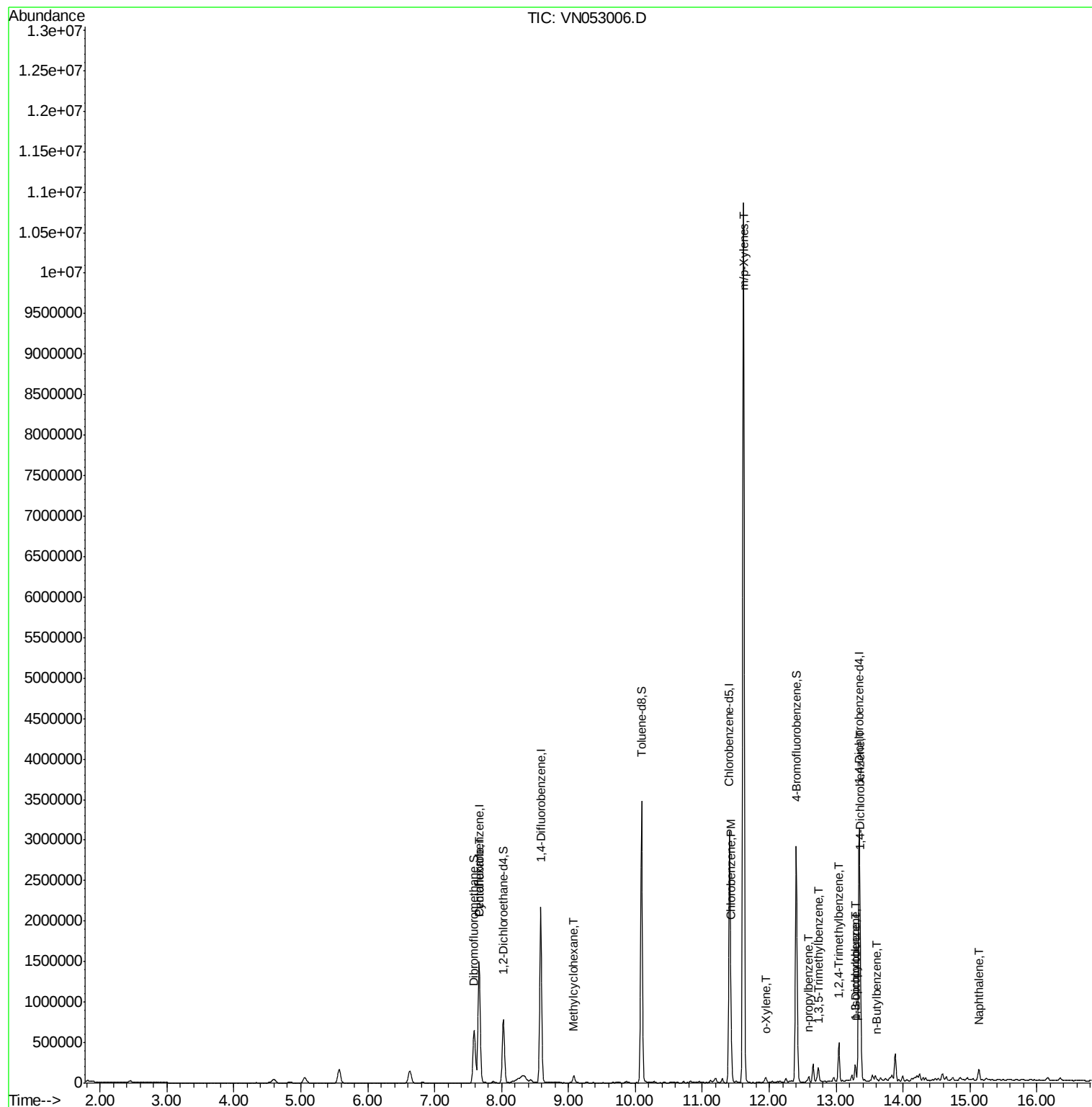
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
Data File : VN053006.D
Acq On : 19 Dec 2018 13:03
Operator : MD\SY
Sample : J6378-10ME 10X
Misc : 3.02/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 11 Sample Multiplier: 28

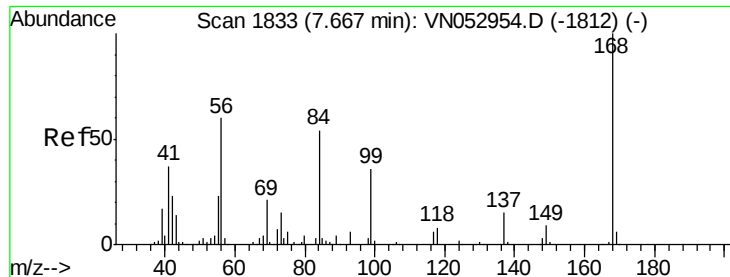
Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0006-01ME

Manual Integrations
APPROVED

MMDadoda
12/20/2018 9:34:36 AM

Quant Time: Mar 01 04:08:53 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053006.D

Acq: 19 Dec 2018 13:03

Instrument :

MSVOA_N

ClientSampleId :

P001-SD012-0006-01ME

Tot Ion:168 Resp: 1314387

Ion Ratio Lower Upper

168 100

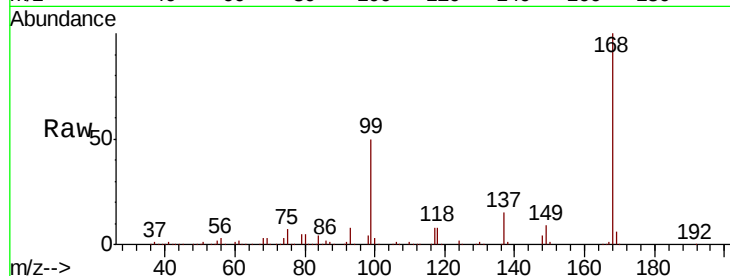
99 49.9 40.2 60.2

Manual Integrations

APPROVED

MMDadoda

12/20/2018 9:34:36 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

600000

500000

400000

300000

200000

100000

0

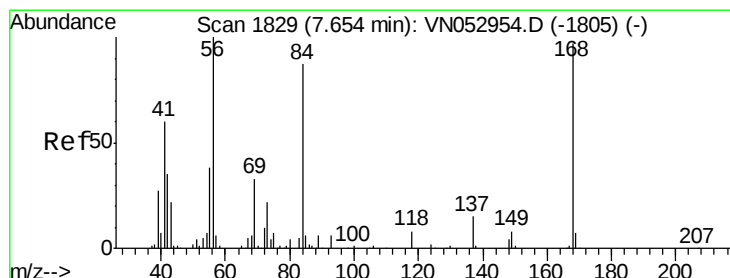
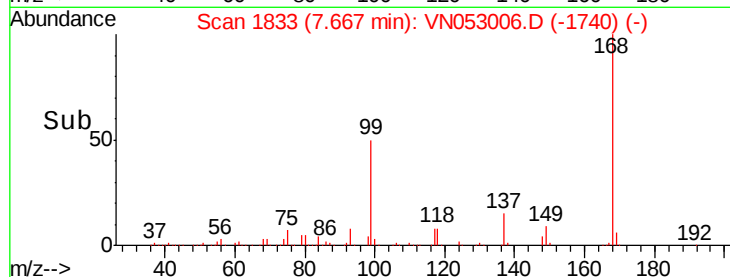
7.67

7.60

7.70

7.80

Time-->



#31

Cyclohexane

Concen: 0.760 ug/l m

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN053006.D

Acq: 19 Dec 2018 13:03

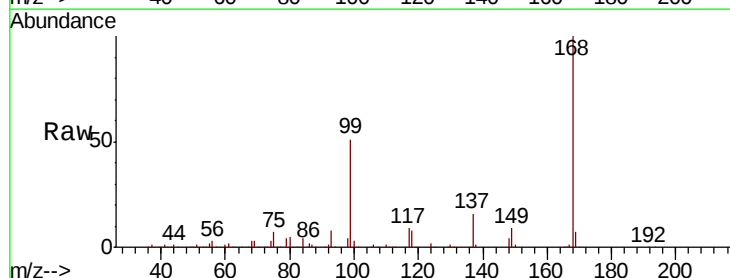
Tgt Ion: 56 Resp: 41428

Ion Ratio Lower Upper

56 100

69 119.9 26.6 39.8#

84 134.4 68.4 102.6#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO

25000

20000

15000

10000

5000

0

7.66

7.55

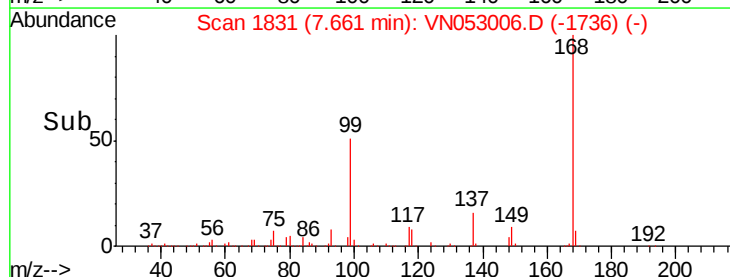
7.60

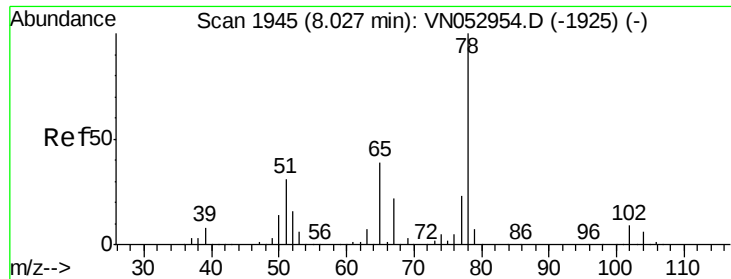
7.65

7.70

7.75

Time-->





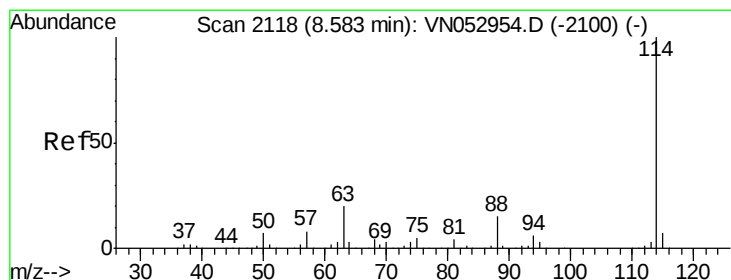
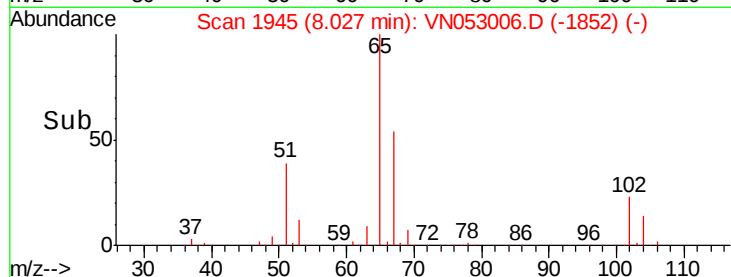
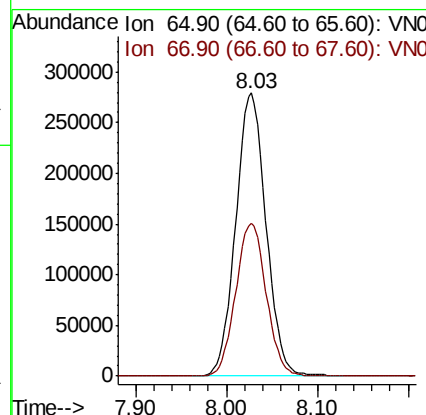
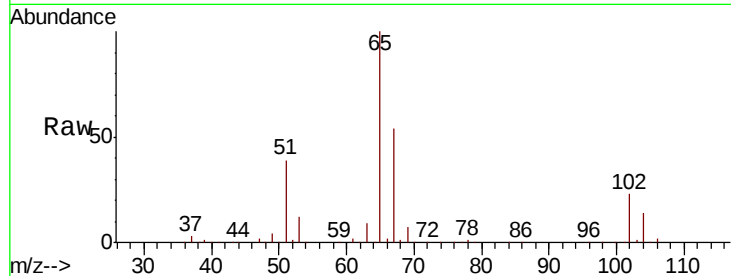
#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053006.D
 Acq: 19 Dec 2018 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD012-0006-01ME

Tot Ion: 65 Resp: 645244
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 110.4

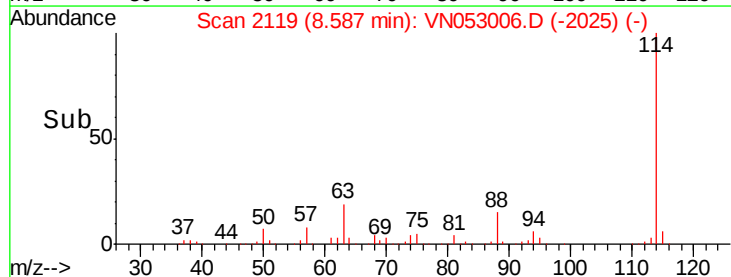
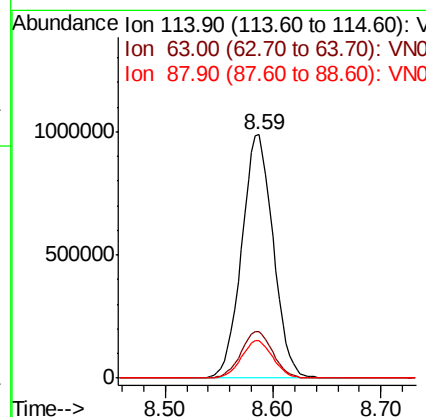
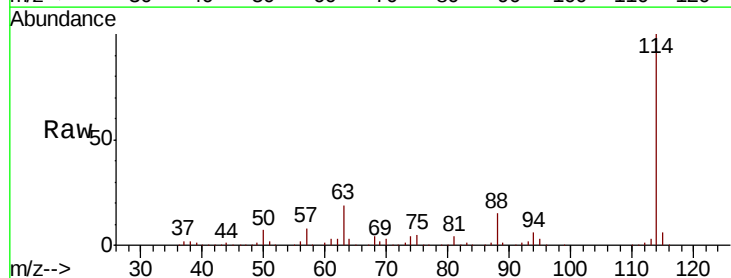
Manual Integrations
 APPROVED

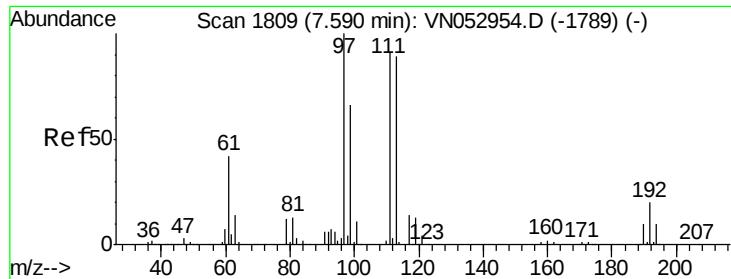
MMDadoda
 12/20/2018 9:34:36 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053006.D
 Acq: 19 Dec 2018 13:03

Tgt Ion: 114 Resp: 2007064
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.8
 88 15.2 0.0 31.0





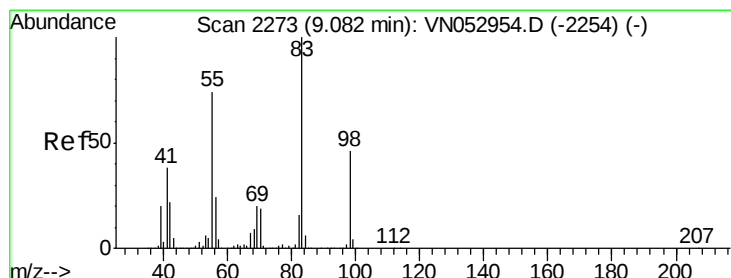
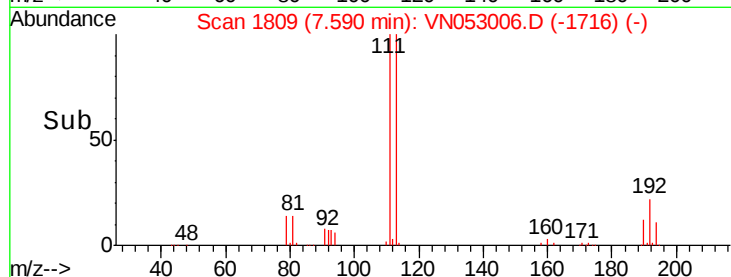
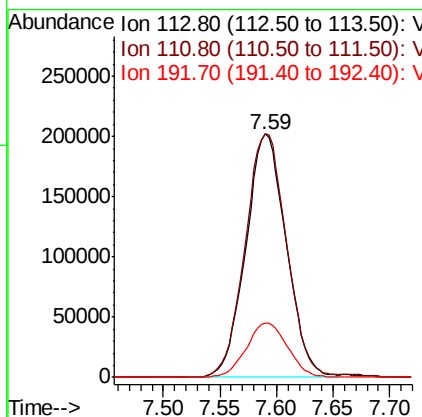
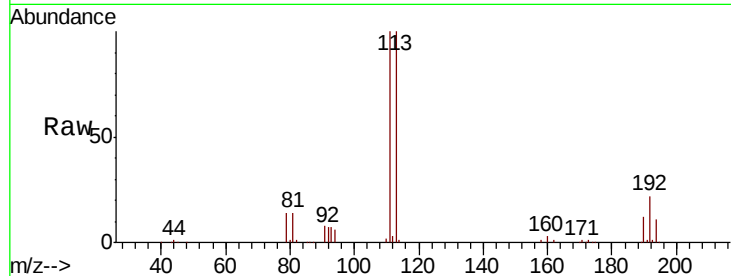
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053006.D
Acq: 19 Dec 2018 13:03

Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0006-01ME

Tot Ion	Ratio	Resp	Lower	Upper
113	100	502577		
111	102.7		83.0	124.4
192	22.8		17.5	26.3

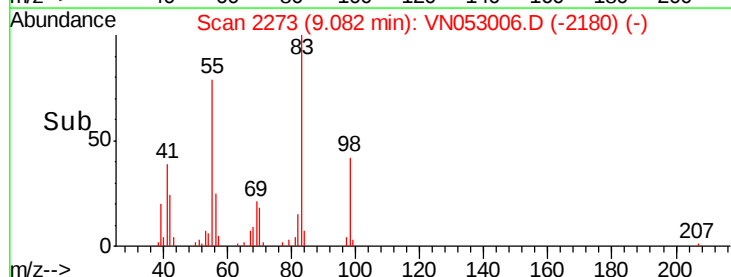
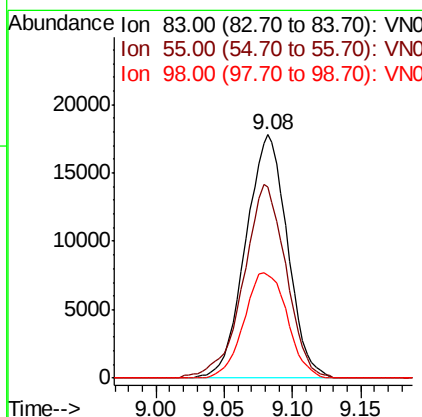
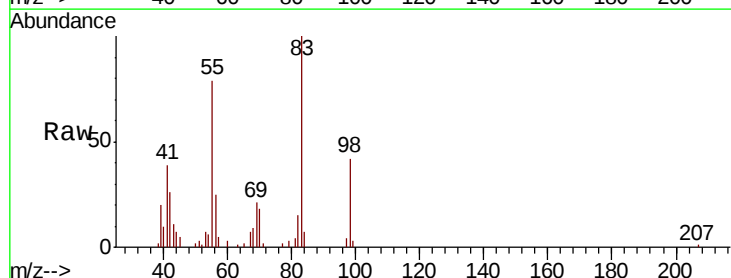
Manual Integrations
APPROVED

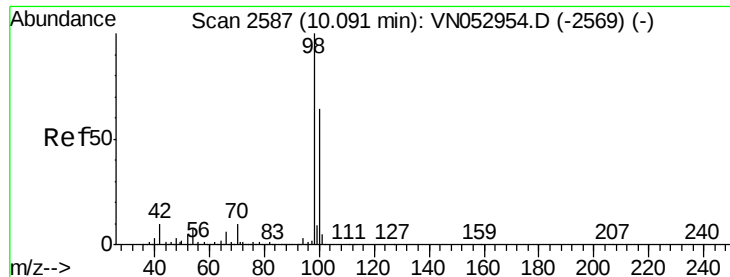
MMDadoda
12/20/2018 9:34:36 AM



#39
Methylcyclohexane
Concen: 1.614 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053006.D
Acq: 19 Dec 2018 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	37775		
55	78.7		61.3	91.9
98	42.4		37.0	55.4





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053006.D

Acq: 19 Dec 2018 13:03

Instrument :

MSVOA_N

ClientSampleId :

P001-SD012-0006-01ME

Tot Ion: 98 Resp: 2494791

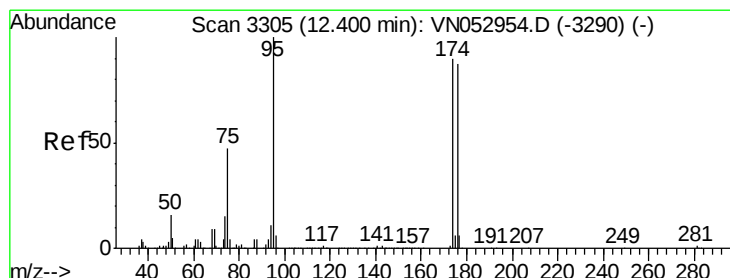
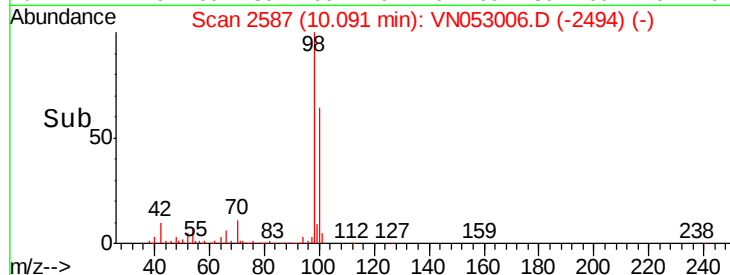
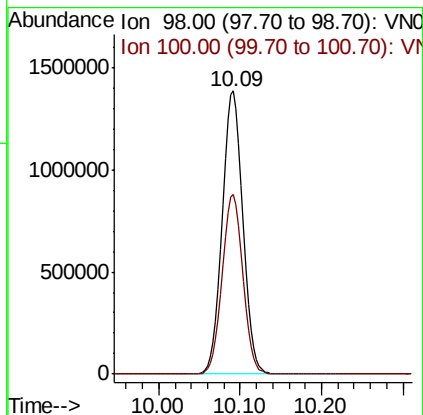
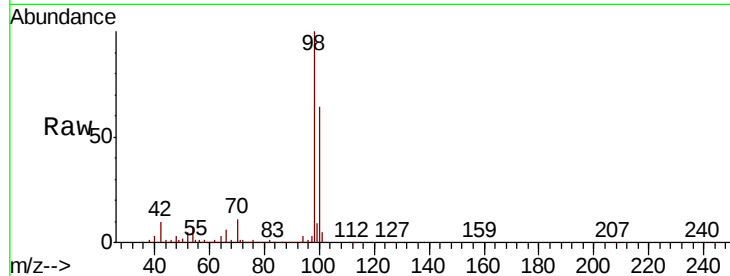
Ion Ratio Lower Upper

98 100

100 63.9 51.6 77.4

Manual Integrations
APPROVED

MMDadoda
12/20/2018 9:34:36 AM



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053006.D

Acq: 19 Dec 2018 13:03

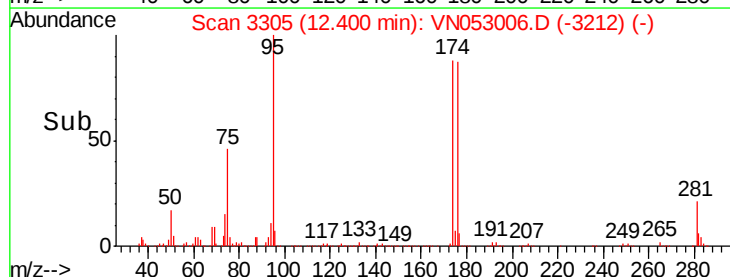
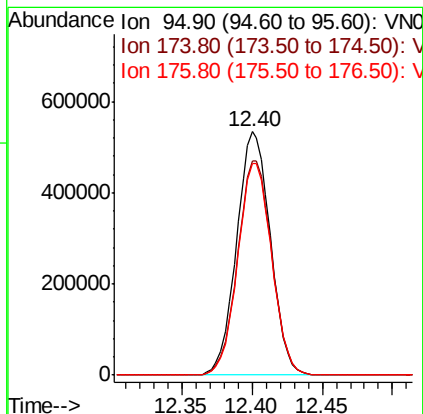
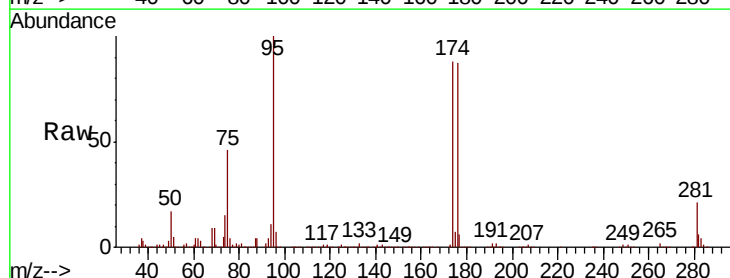
Tgt Ion: 95 Resp: 890945

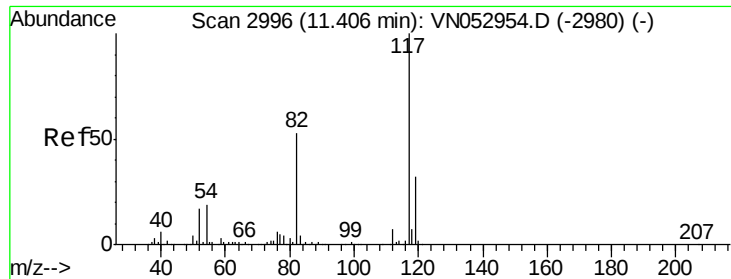
Ion Ratio Lower Upper

95 100

174 89.3 0.0 178.8

176 87.6 0.0 173.8





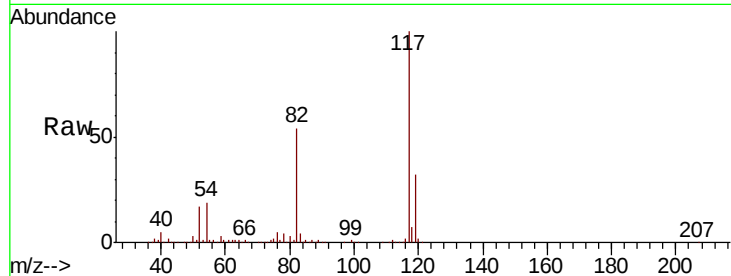
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053006.D
Acq: 19 Dec 2018 13:03

Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0006-01ME

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.8	64.2
119	31.9	25.5	38.3

Manual Integrations
APPROVED

MMDadoda
12/20/2018 9:34:36 AM

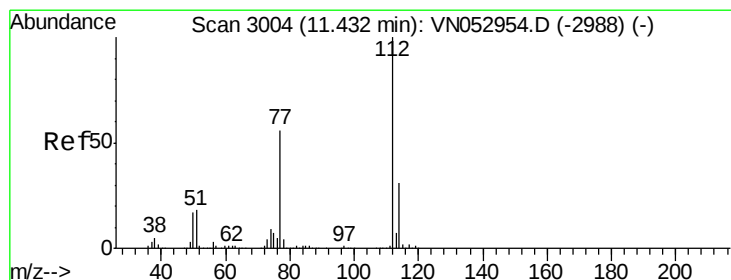
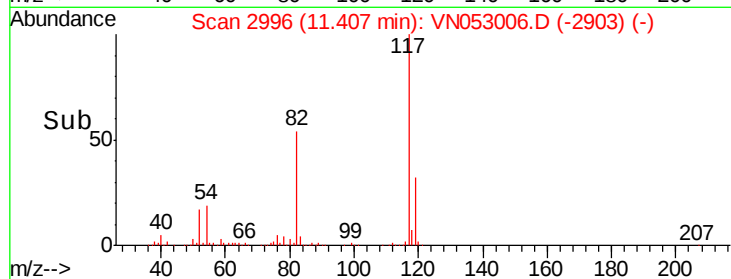
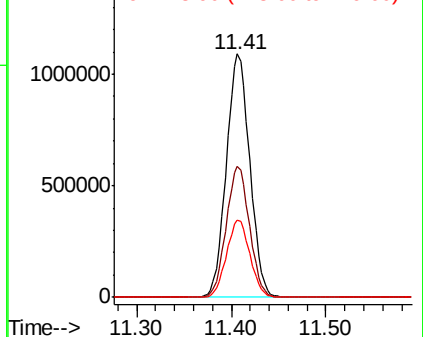


Abundance

Ion 116.90 (116.60 to 117.60): V

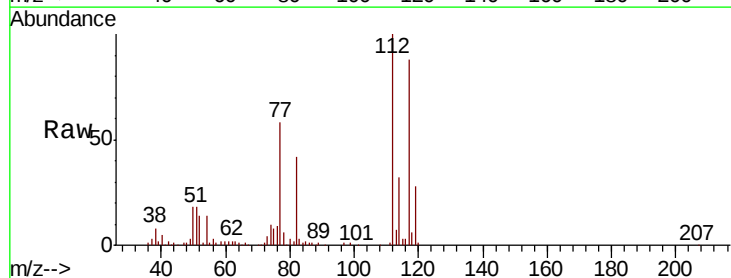
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#65
Chlorobenzene
Concen: 5.026 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053006.D
Acq: 19 Dec 2018 13:03

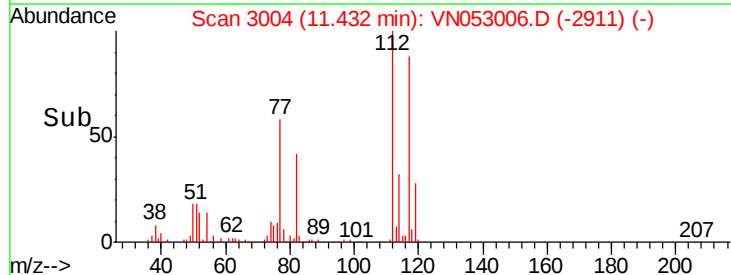
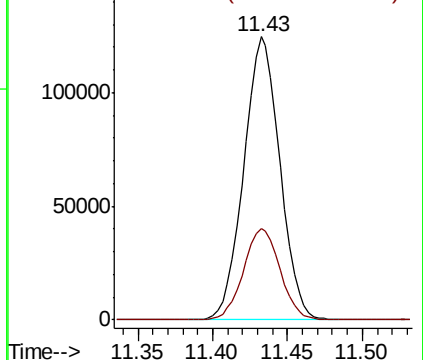
Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.5	38.3

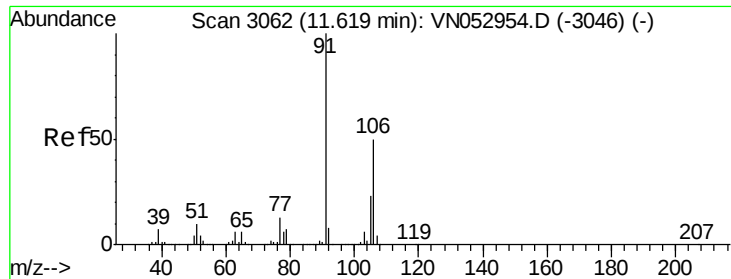


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





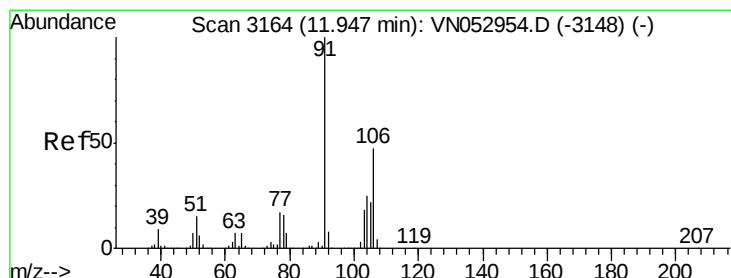
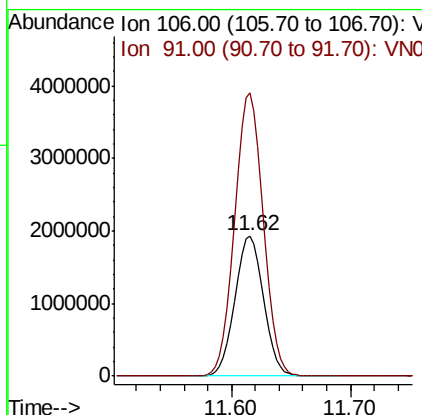
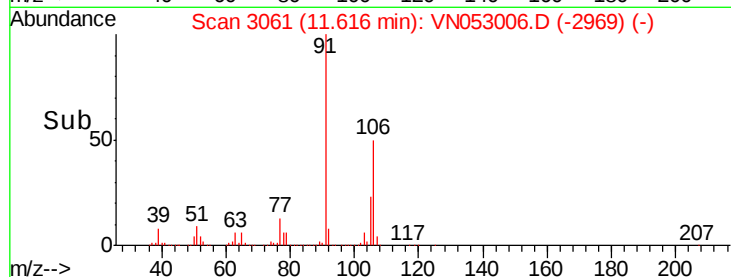
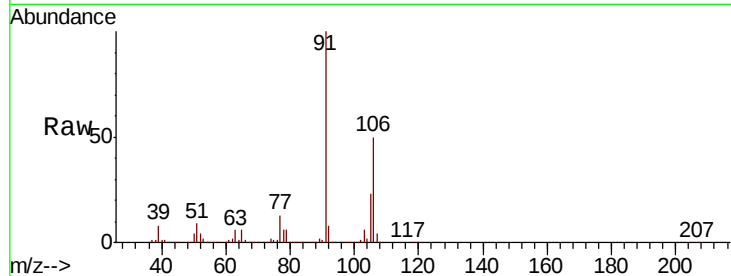
#68
m/p-Xvlenes
Concen: 118.122 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN053006.D
Acq: 19 Dec 2018 13:03

Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0006-01ME

Tot Ion:106 Resp: 3212800
Ion Ratio Lower Upper
106 100
91 202.4 162.2 243.4

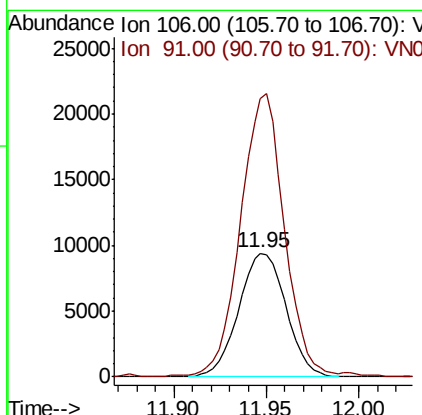
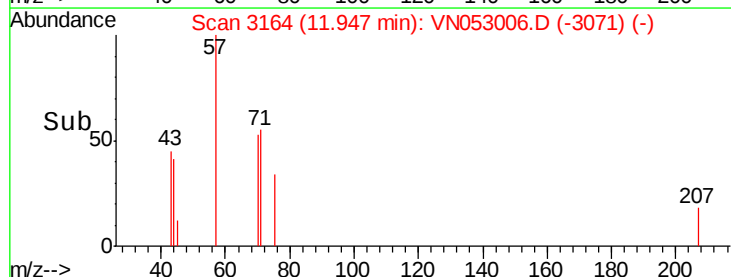
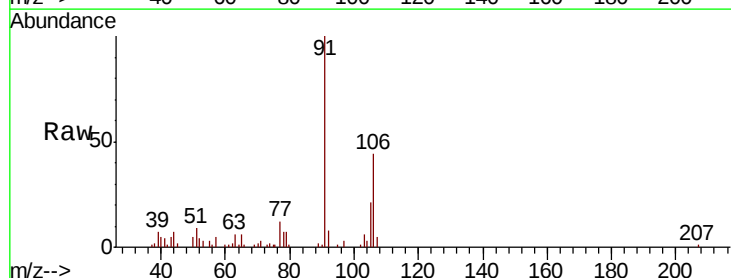
Manual Integrations
APPROVED

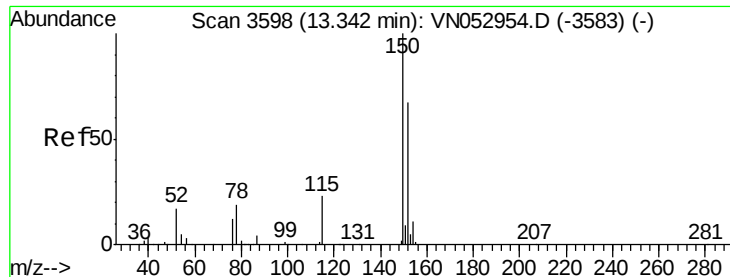
MMDadoda
12/20/2018 9:34:36 AM



#69
o-Xylene
Concen: 0.638 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053006.D
Acq: 19 Dec 2018 13:03

Tgt Ion:106 Resp: 16644
Ion Ratio Lower Upper
106 100
91 213.2 106.6 319.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN053006.D

Acq: 19 Dec 2018 13:03

Instrument :

MSVOA_N

ClientSampleId :

P001-SD012-0006-01ME

Tot Ion:152 Resp: 854734

Ion Ratio Lower Upper

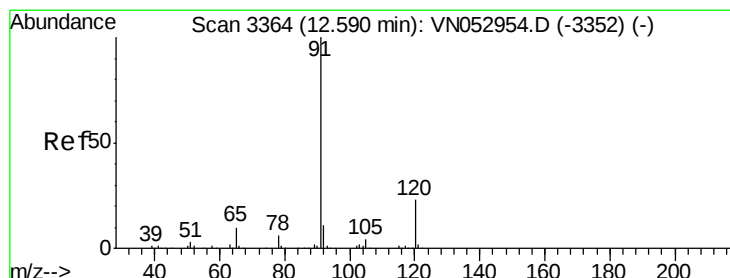
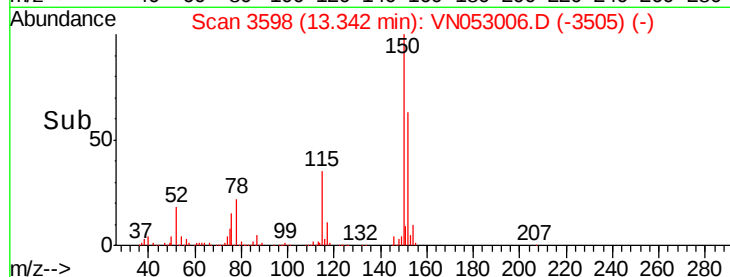
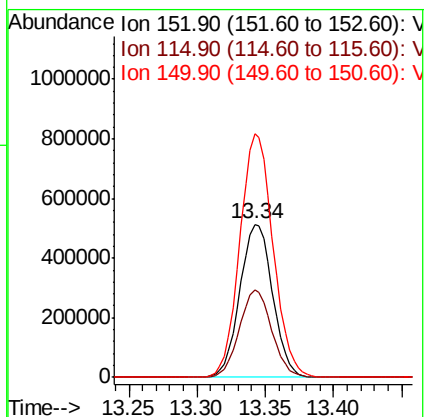
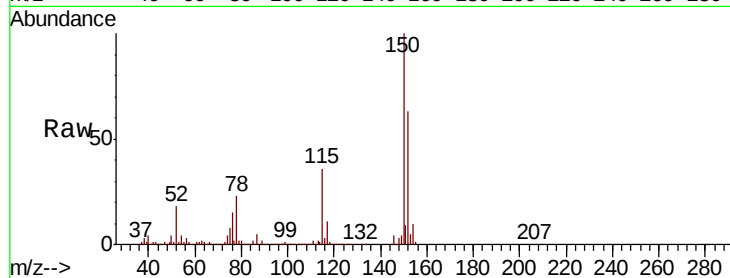
152 100

115 56.5 28.3 85.0

150 161.3 0.0 347.8

Manual Integrations
APPROVED

MMDadoda
12/20/2018 9:34:36 AM



#78

n-propylbenzene

Concen: 0.750 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053006.D

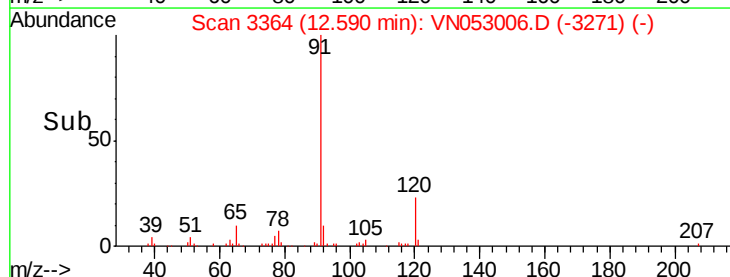
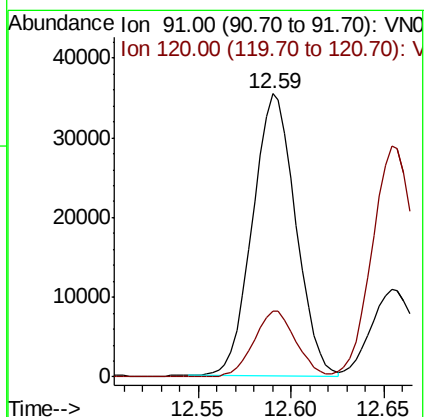
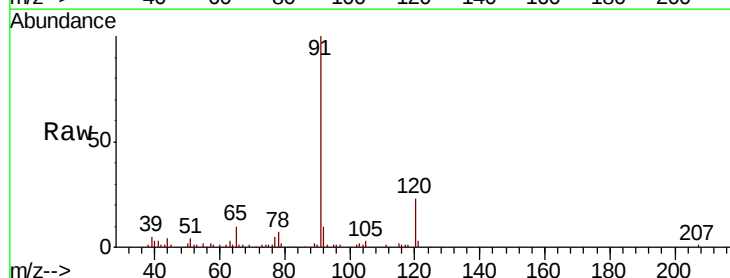
Acq: 19 Dec 2018 13:03

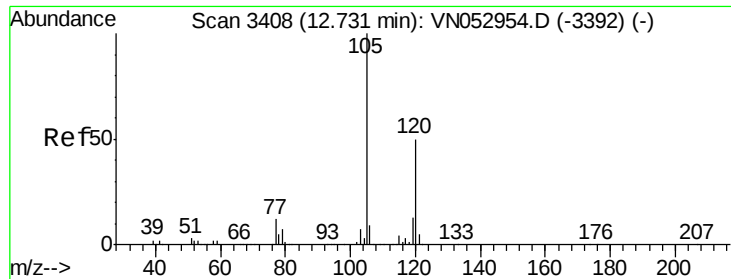
Tgt Ion: 91 Resp: 57144

Ion Ratio Lower Upper

91 100

120 22.7 11.5 34.5





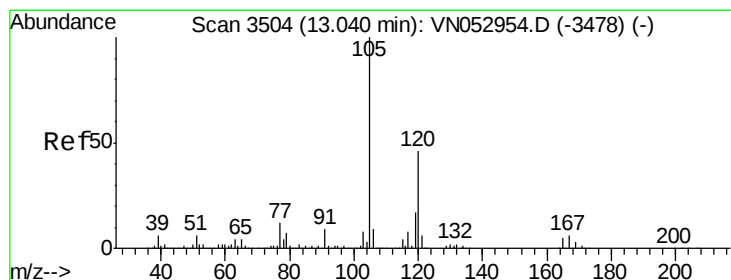
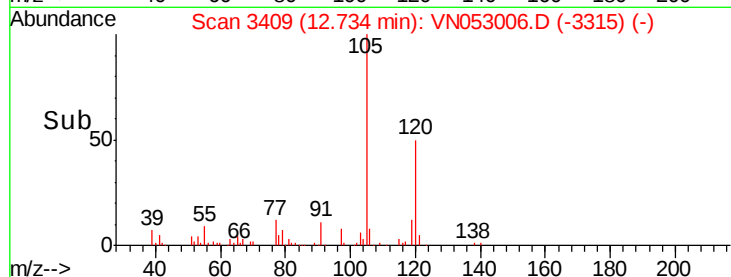
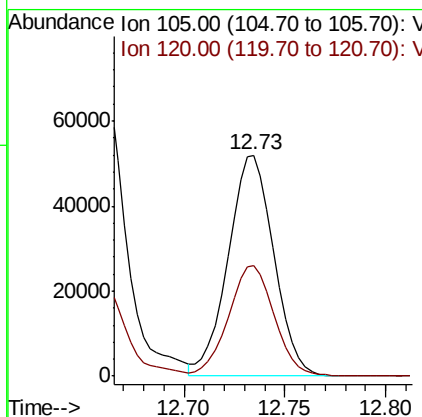
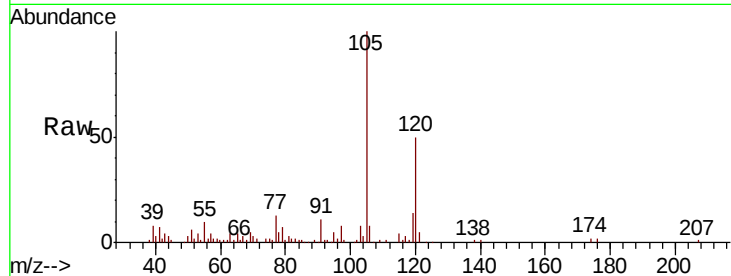
#80
 1,3,5-Trimethylbenzene
 Concen: 1.515 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053006.D
 Acq: 19 Dec 2018 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD012-0006-01ME

Tot Ion:105 Resp: 82560
 Ion Ratio Lower Upper
 105 100
 120 50.2 24.4 73.2

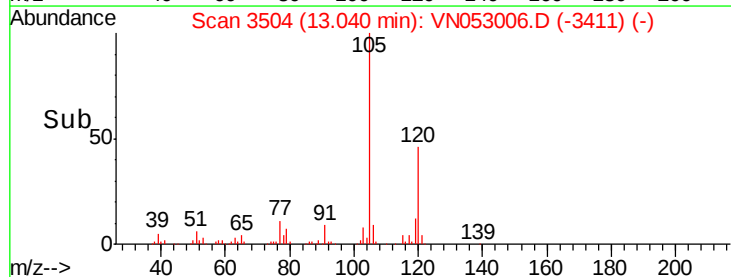
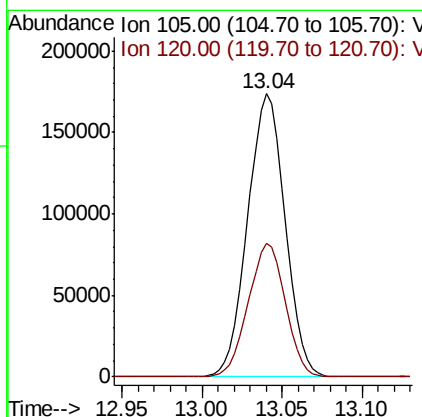
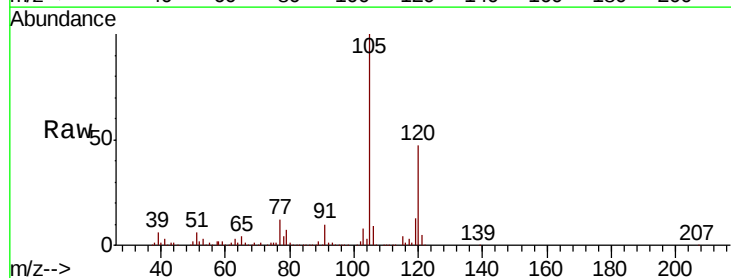
Manual Integrations
 APPROVED

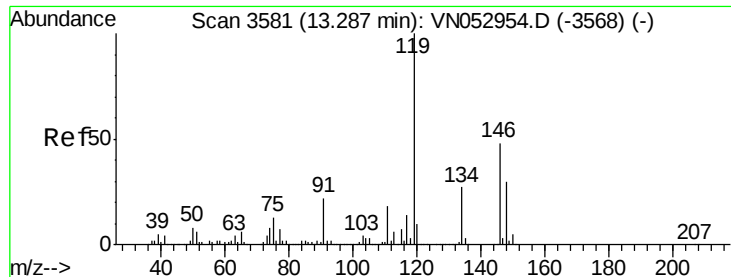
MMDadoda
 12/20/2018 9:34:36 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 5.074 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053006.D
 Acq: 19 Dec 2018 13:03

Tgt Ion:105 Resp: 278029
 Ion Ratio Lower Upper
 105 100
 120 46.7 22.9 68.8





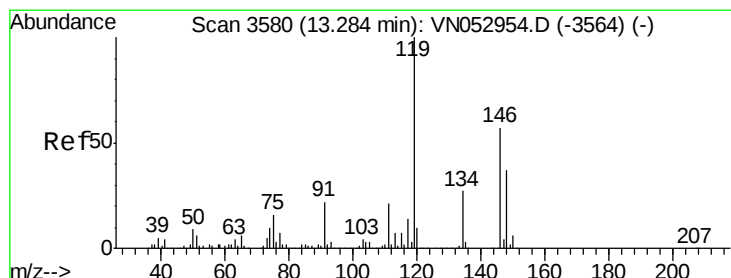
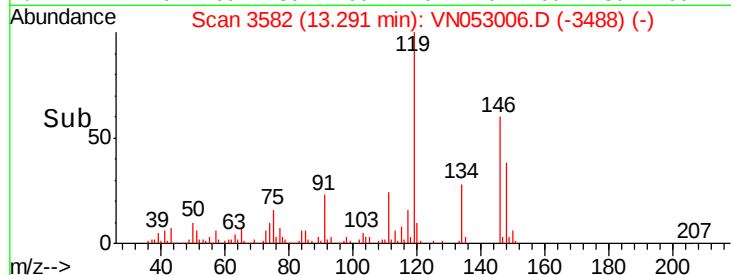
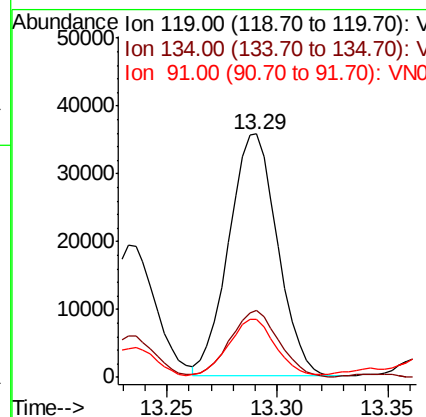
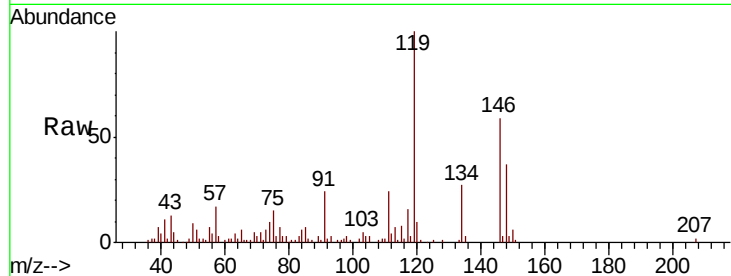
#86
 p-Isopropyltoluene
 Concen: 0.971 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053006.D
 Acq: 19 Dec 2018 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD012-0006-01ME

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.9	13.4	40.2
91	22.0	11.1	33.3

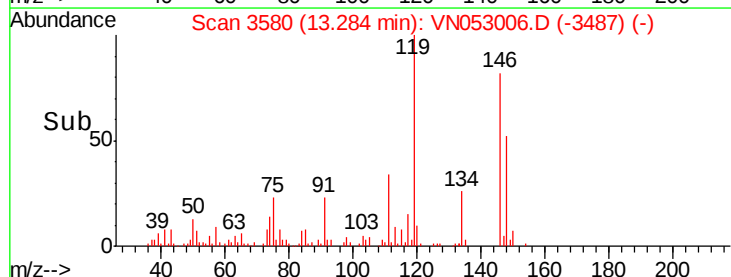
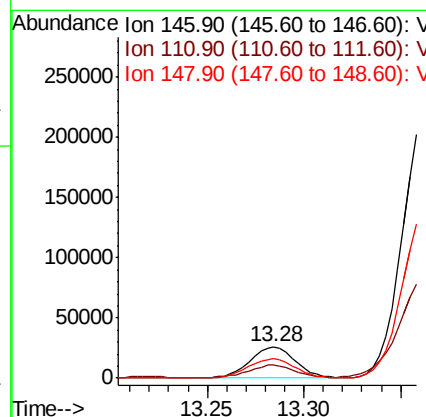
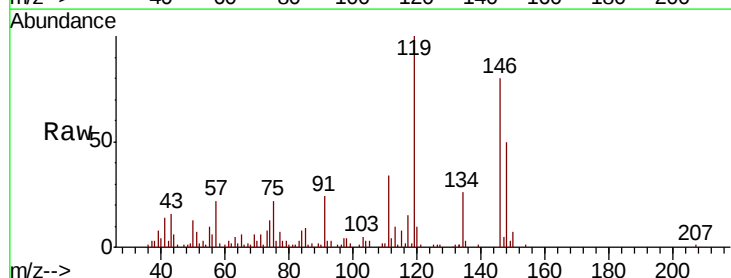
Manual Integrations
 APPROVED

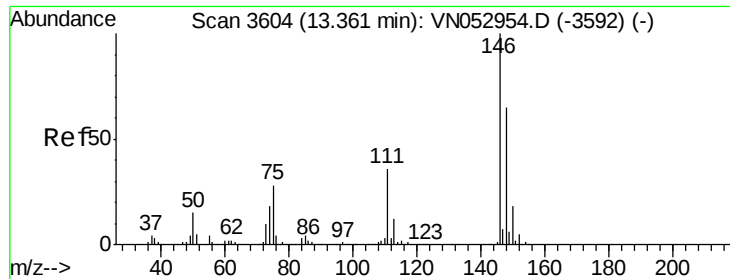
MMDadoda
 12/20/2018 9:34:36 AM



#87
 1,3-Dichlorobenzene
 Concen: 1.383 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053006.D
 Acq: 19 Dec 2018 13:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.1	57.1
148	64.2	32.0	96.0





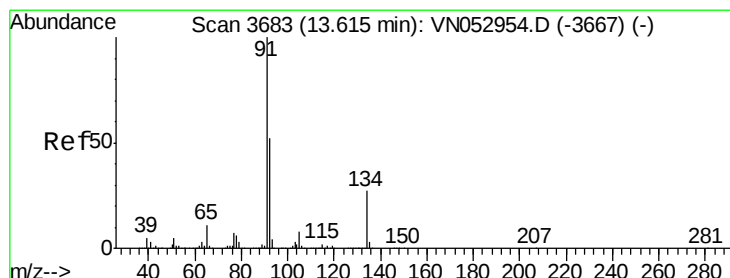
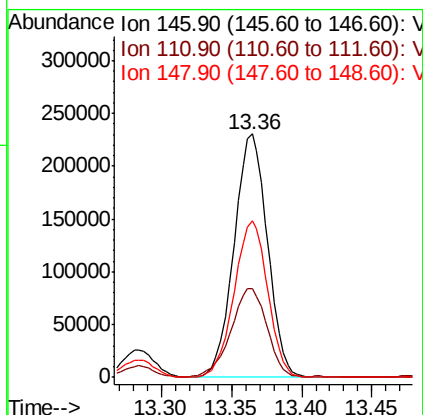
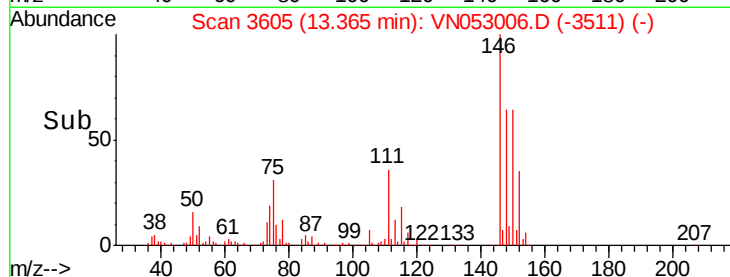
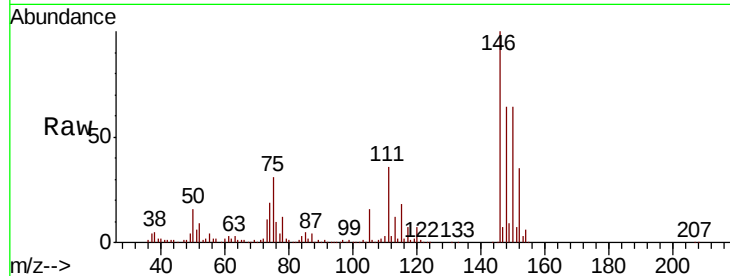
#88
 1,4-Dichlorobenzene
 Concen: 12.257 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053006.D
 Acq: 19 Dec 2018 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD012-0006-01ME

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.6	55.8
148	64.6	32.1	96.5

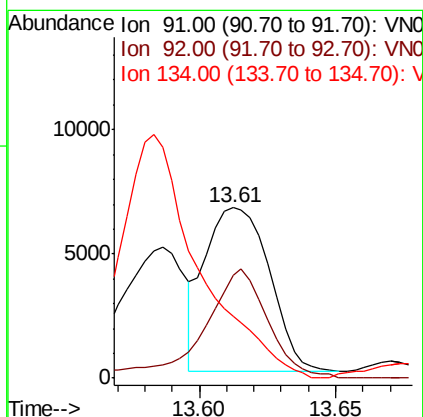
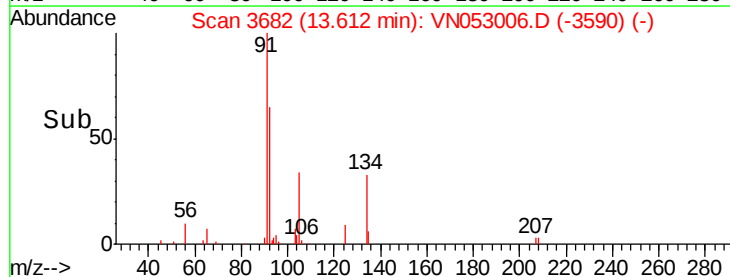
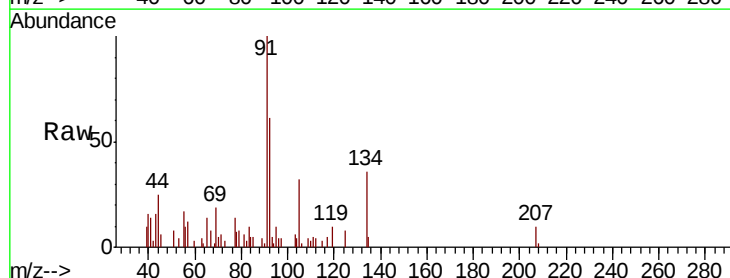
Manual Integrations
 APPROVED

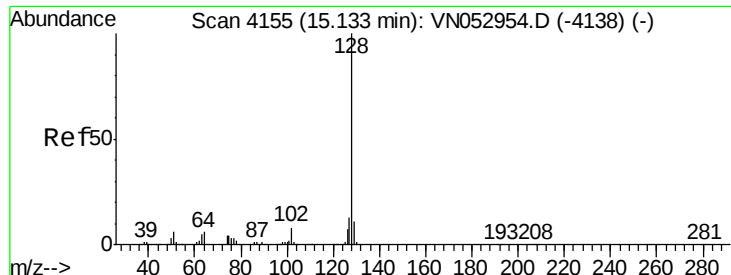
MMDadoda
 12/20/2018 9:34:36 AM



#89
 n-Butylbenzene
 Concen: 0.224 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN053006.D
 Acq: 19 Dec 2018 13:03

Tgt Ion	Ratio	Lower	Upper
91	100		
92	65.1	26.3	78.9
134	0.0	13.3	39.8#





#95
Naphthalene
Concen: 4.595 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053006.D
Acq: 19 Dec 2018 13:03

Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0006-01ME

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	13.5	10.2	15.4	
129	10.9	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
12/20/2018 9:34:36 AM

