

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
 Data File : VN061356.D
 Acq On : 8 May 2020 13:03
 Operator : JC/MD
 Sample : L2544-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS038MW013-200504

Manual Integrations
 APPROVED

MMDadoda
 5/11/2020 12:36:39 PM

Quant Time: May 11 02:02:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	99376	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	181839	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	170241	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	78523	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	81560	51.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.74%	
35) Dibromofluoromethane	7.55	113	54038	50.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.52%	
50) Toluene-d8	10.06	98	224702	51.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.52%	
62) 4-Bromofluorobenzene	12.38	95	84421	51.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.36%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.16	62	8731	6.023	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	4021	3.001	ug/l	93
39) Methylcyclohexane	9.04	83	2310	1.132	ug/l	93
40) Benzene	8.00	78	63775	11.760	ug/l	99
65) Chlorobenzene	11.41	112	698934	206.968	ug/l	98
69) o-Xylene	11.92	106	1431	0.644	ug/l	91
73) Isopropylbenzene	12.22	105	6331	1.097	ug/l	98
78) n-propylbenzene	12.57	91	2213	0.323	ug/l	91
79) 2-Chlorotoluene	12.65	91	1361	0.338	ug/l	91
83) tert-Butylbenzene	12.97	119	24099	5.982	ug/l	96
85) sec-Butylbenzene	13.15	105	34413	6.265	ug/l #	48
87) 1,3-Dichlorobenzene	13.26	146	1330	0.542	ug/l	90
88) 1,4-Dichlorobenzene	13.34	146	5777	2.305	ug/l	85
89) n-Butylbenzene	13.59	91	3869m	0.853	ug/l	
91) 1,2-Dichlorobenzene	13.63	146	28072	11.934	ug/l	99

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

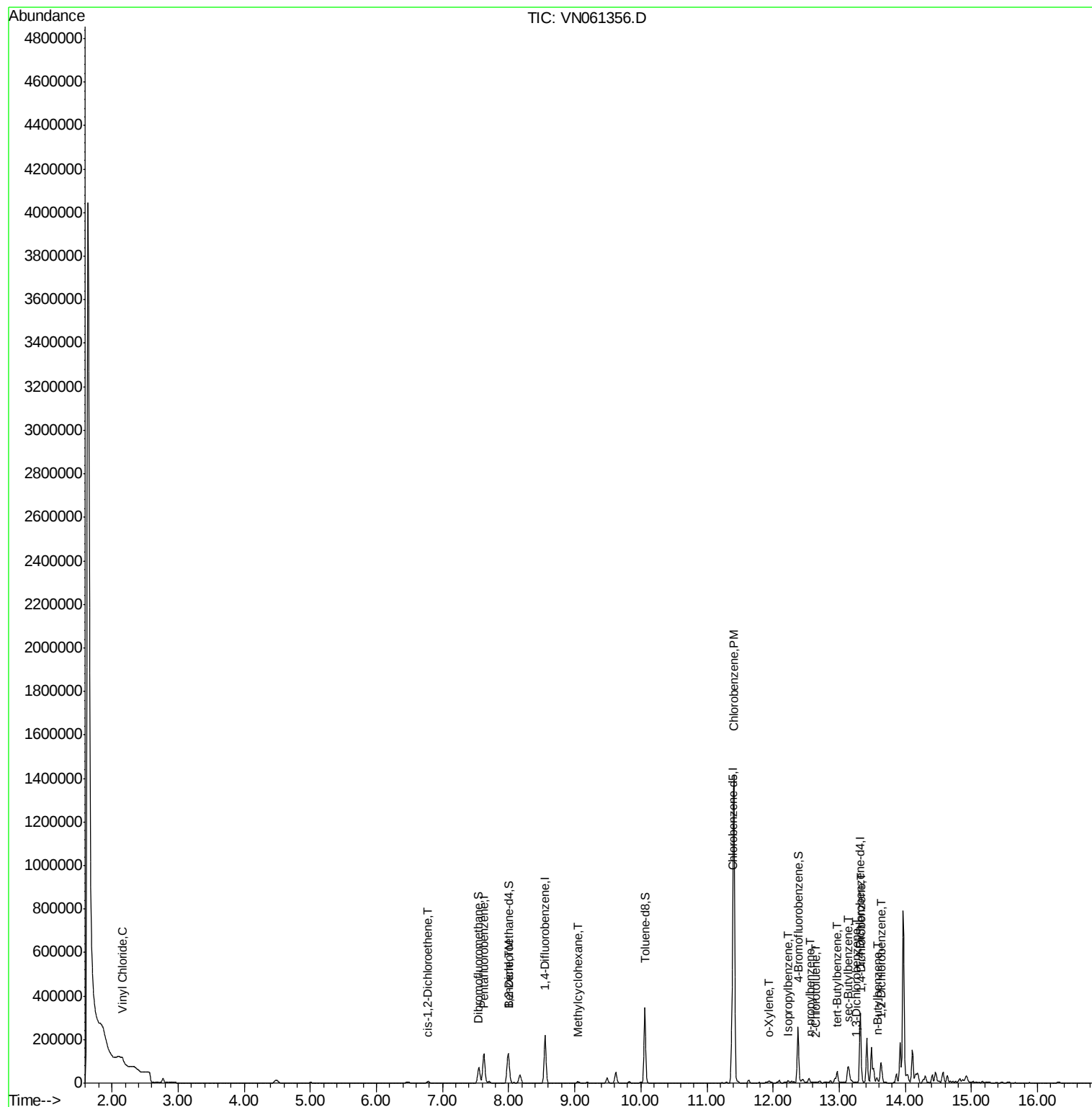
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
Data File : VN061356.D
Acq On : 8 May 2020 13:03
Operator : JC/MD
Sample : L2544-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SS038MW013-200504

Manual Integrations
APPROVED

MMDadoda
5/11/2020 12:36:39 PM

Quant Time: May 11 02:02:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260
QLast Update : Tue May 05 07:01:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061356.D

Acq: 8 May 2020 13:03

Instrument :

MSVOA_N

ClientSampleId :

SS038MW013-200504

Tot Ion:168 Resp: 99376

Ion Ratio Lower Upper

168 100

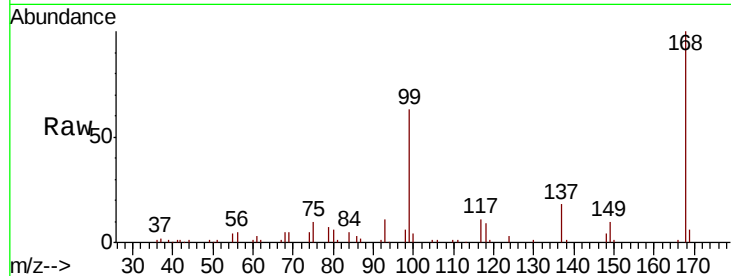
99 63.4 51.2 76.8

Manual Integrations

APPROVED

MMDadoda

5/11/2020 12:36:39 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

40000

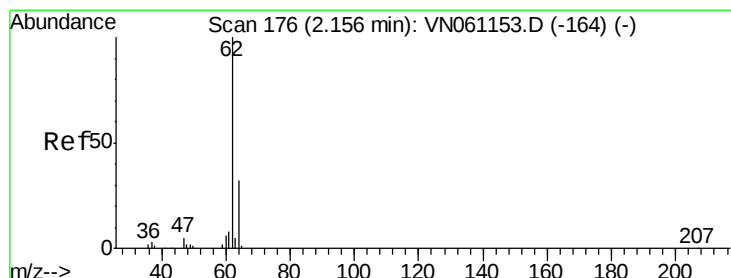
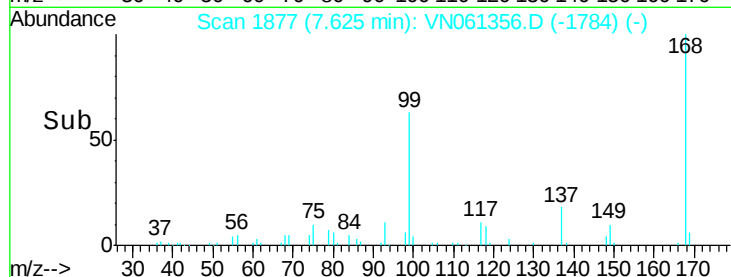
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#4

Vinyl Chloride

Concen: 6.023 ug/l

RT: 2.16 min Scan# 177

Delta R.T. 0.00 min

Lab File: VN061356.D

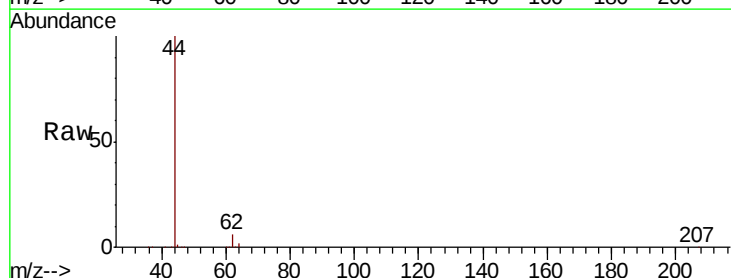
Acq: 8 May 2020 13:03

Tgt Ion: 62 Resp: 8731

Ion Ratio Lower Upper

62 100

64 29.9 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.16

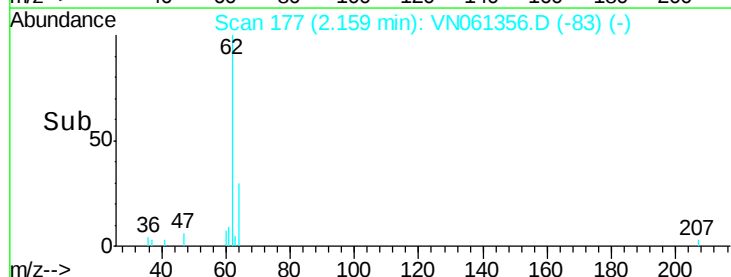
6000

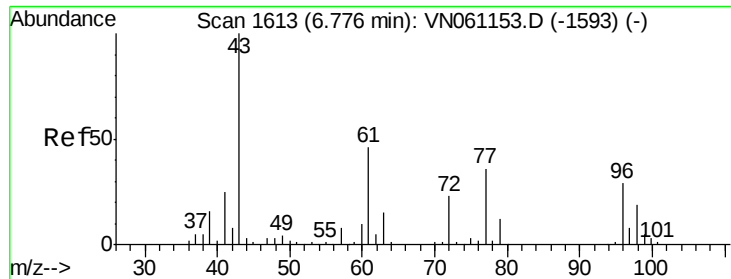
4000

2000

0

Time--> 2.10 2.15 2.20





#27

cis-1,2-Dichloroethene

Concen: 3.001 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. 0.00 min

Lab File: VN061356.D

Acq: 8 May 2020 13:03

Instrument :

MSVOA_N

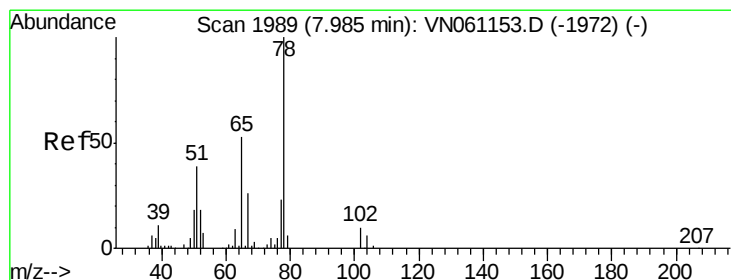
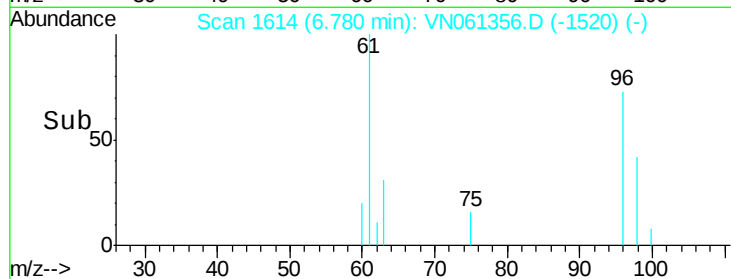
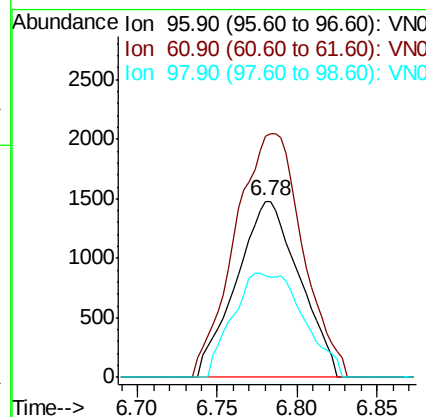
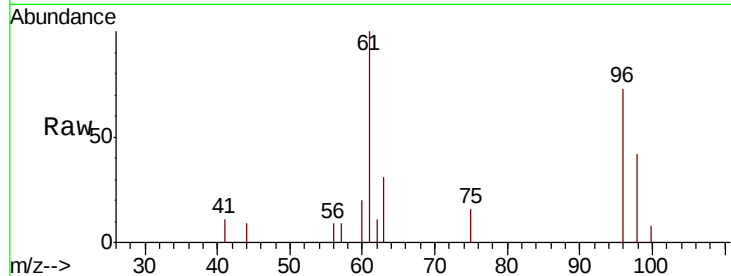
ClientSampleId :

SS038MW013-200504

Tot Ion:	96	Resp:	4021
Ion	Ratio	Lower	Upper
96	100		
61	148.0	0.0	322.0
98	65.8	0.0	129.6

Manual Integrations
APPROVED

MMDadoda
5/11/2020 12:36:39 PM



#33

1,2-Dichloroethane-d4

Concen: 51.869 ug/l

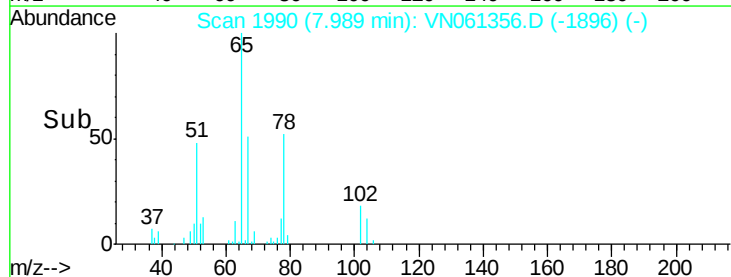
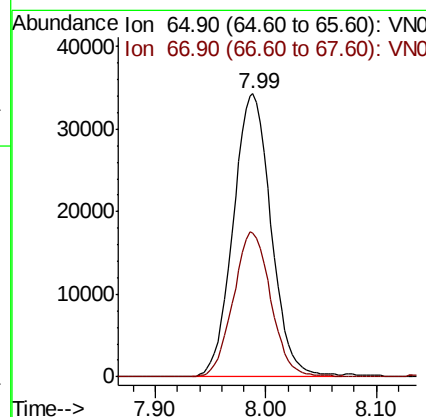
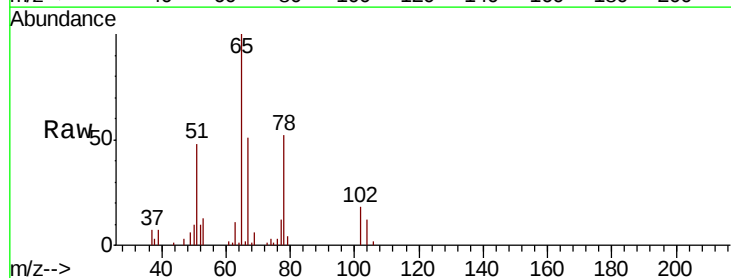
RT: 7.99 min Scan# 1990

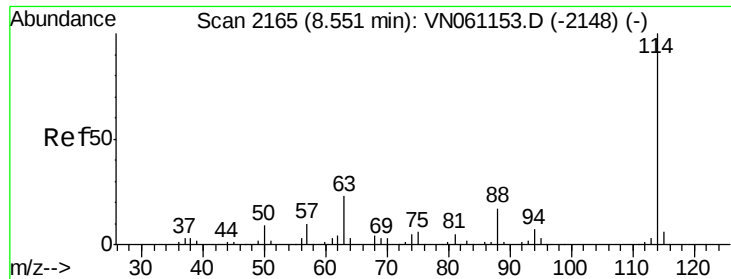
Delta R.T. 0.00 min

Lab File: VN061356.D

Acq: 8 May 2020 13:03

Tgt Ion:	65	Resp:	81560
Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	101.6





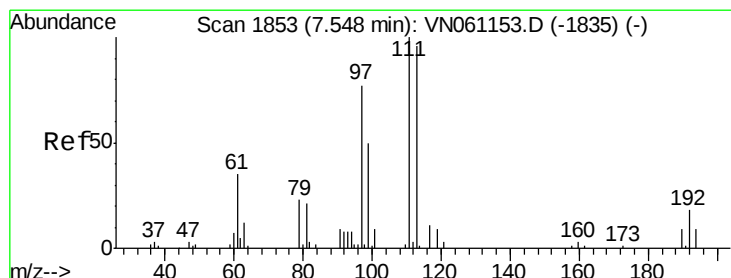
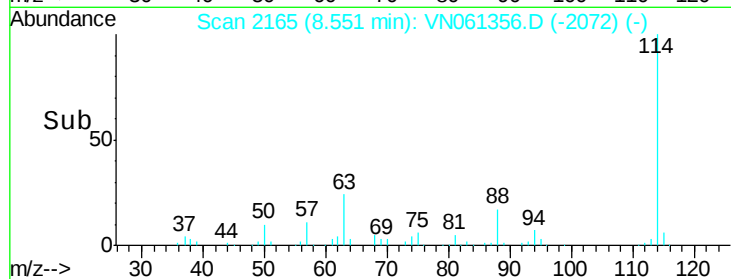
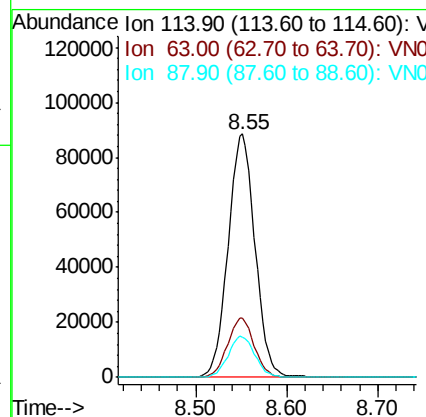
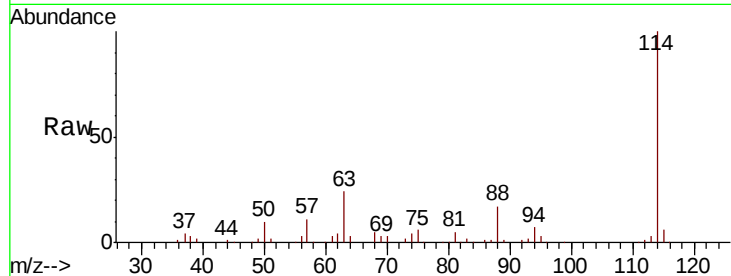
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061356.D
 Acq: 8 May 2020 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 SS038MW013-200504

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	24.4	0.0	46.6
88	16.7	0.0	33.4

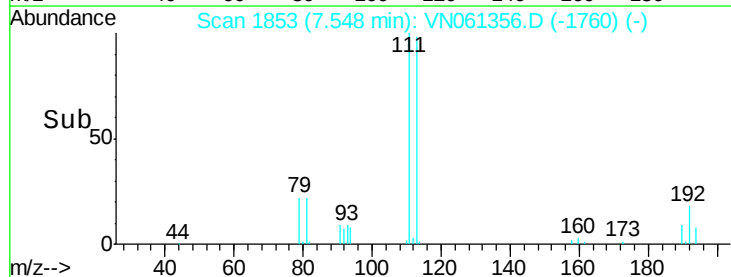
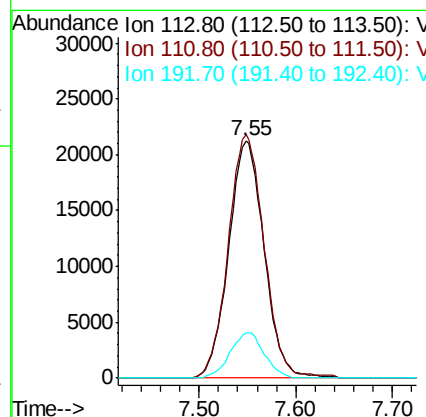
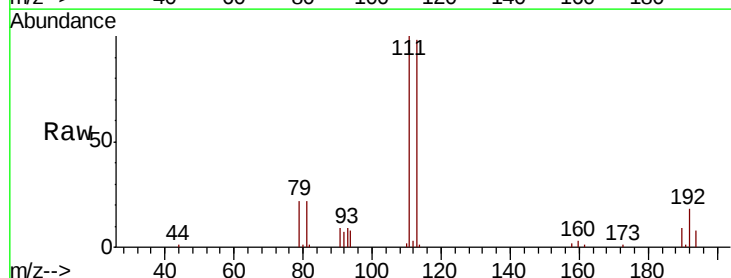
Manual Integrations
 APPROVED

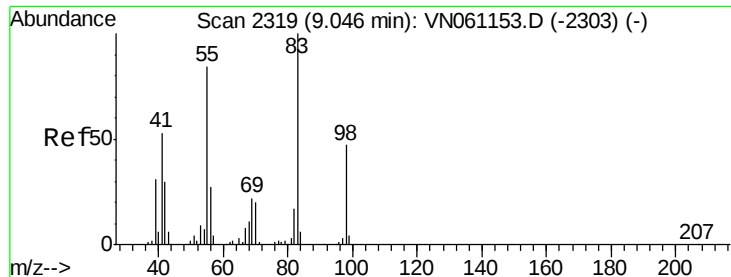
MMDadoda
 5/11/2020 12:36:39 PM



#35
 Dibromofluoromethane
 Concen: 50.256 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061356.D
 Acq: 8 May 2020 13:03

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	104.0	82.9	124.3
192	18.4	14.7	22.1





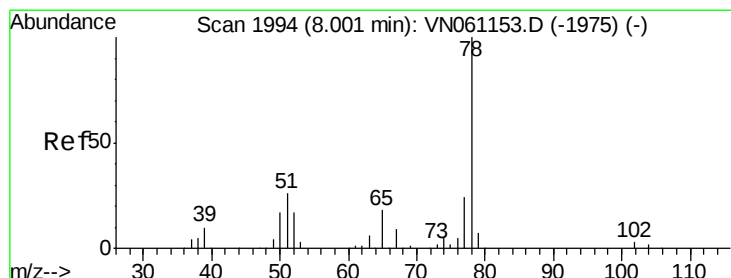
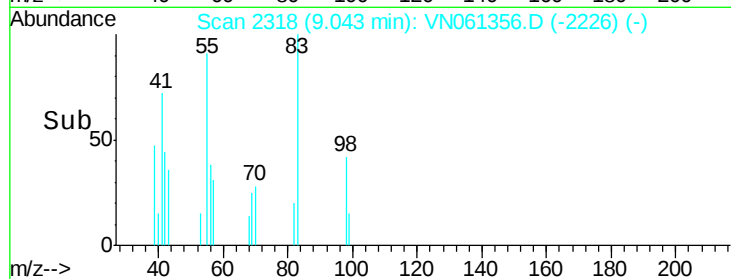
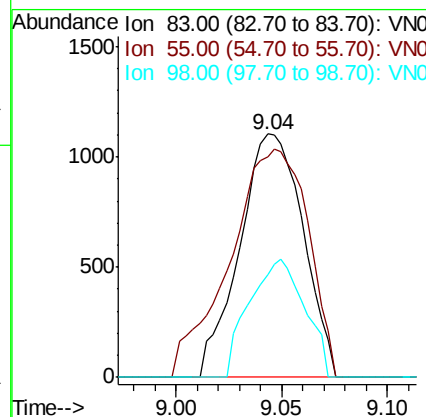
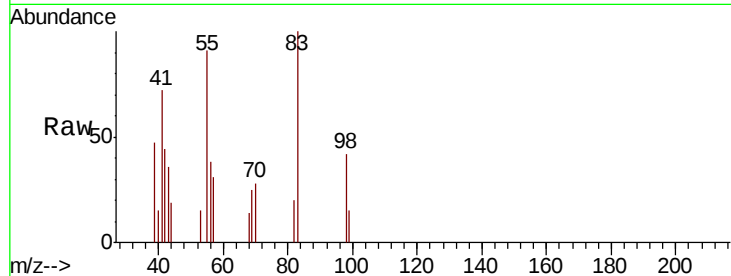
#39
Methvlcvclohexane
Concen: 1.132 ug/l
RT: 9.04 min Scan# 2318
Delta R.T. -0.00 min
Lab File: VN061356.D
Acq: 8 May 2020 13:03

Instrument :
MSVOA_N
ClientSampleId :
SS038MW013-200504

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.6	67.3	100.9
98	42.2	37.7	56.5

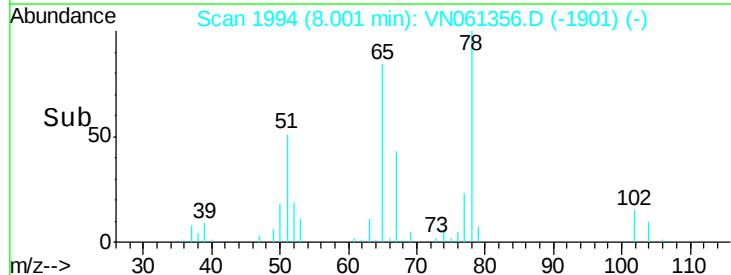
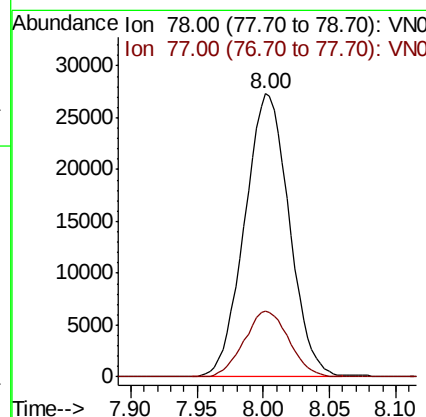
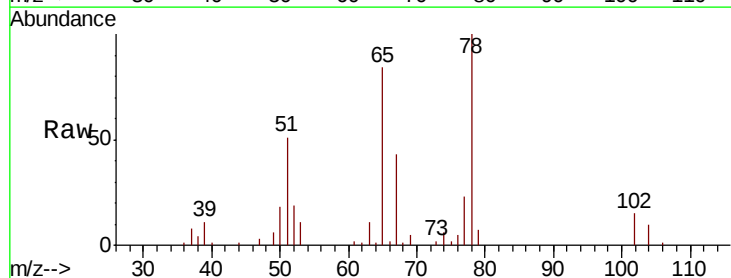
Manual Integrations
APPROVED

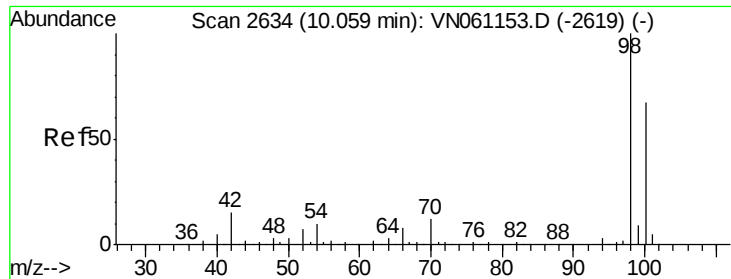
MMDadoda
5/11/2020 12:36:39 PM



#40
Benzene
Concen: 11.760 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. 0.00 min
Lab File: VN061356.D
Acq: 8 May 2020 13:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6





#50

Toluene-d8

Concen: 51.263 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061356.D

Acq: 8 May 2020 13:03

Instrument :

MSVOA_N

ClientSampleId :

SS038MW013-200504

Tot Ion: 98 Resp: 224702

Ion Ratio Lower Upper

98 100

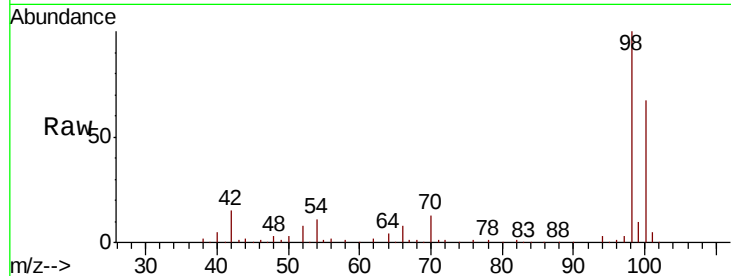
100 65.9 53.4 80.0

Manual Integrations

APPROVED

MMDadoda

5/11/2020 12:36:39 PM



Abundance Ion 98.00 (97.70 to 98.70): VN061153.D (-2619) (-)

Ion 100.00 (99.70 to 100.70): VN061153.D (-2619) (-)

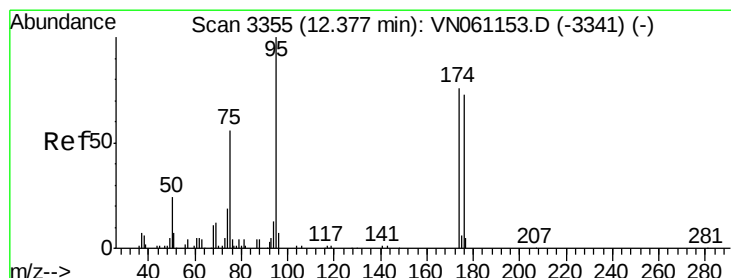
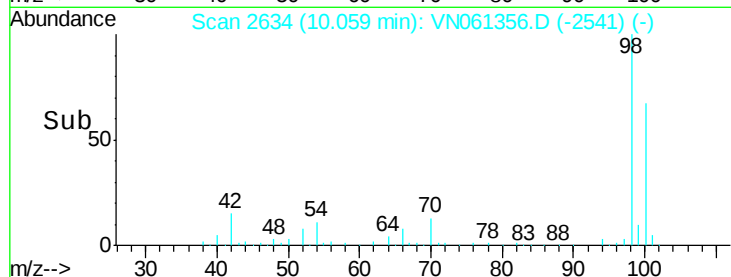
10.06

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.179 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061356.D

Acq: 8 May 2020 13:03

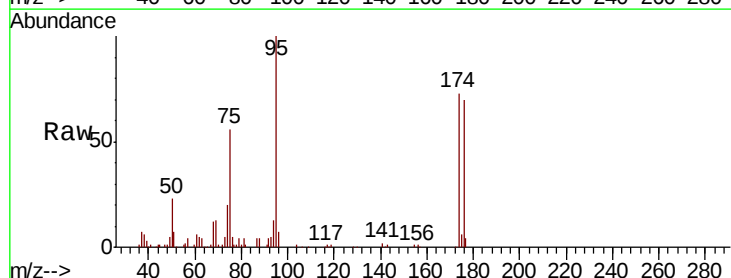
Tgt Ion: 95 Resp: 84421

Ion Ratio Lower Upper

95 100

174 73.7 0.0 149.4

176 70.4 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VN061153.D (-3341) (-)

Ion 173.80 (173.50 to 174.50): VN061153.D (-3341) (-)

Ion 175.80 (175.50 to 176.50): VN061153.D (-3341) (-)

12.38

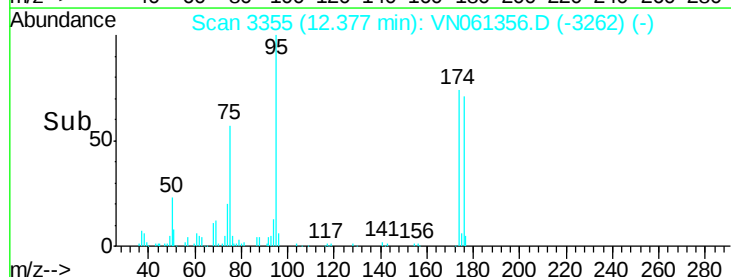
60000

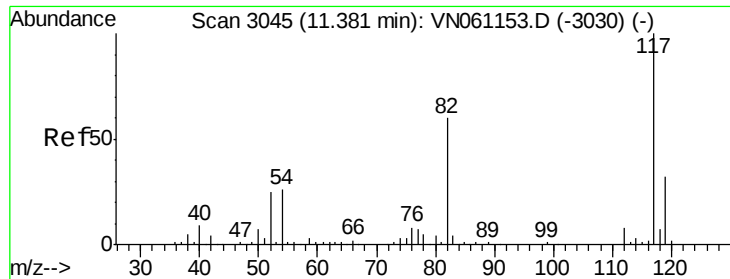
40000

20000

0

Time-->





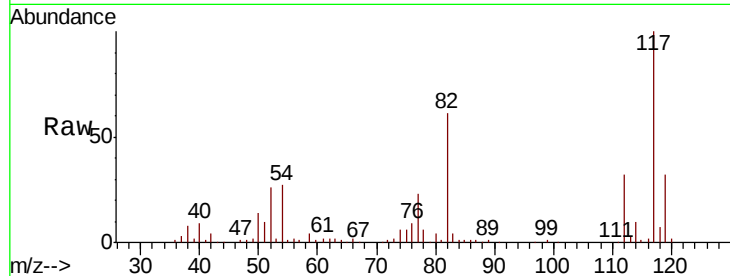
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061356.D
Acq: 8 May 2020 13:03

Instrument :
MSVOA_N
ClientSampleId :
SS038MW013-200504

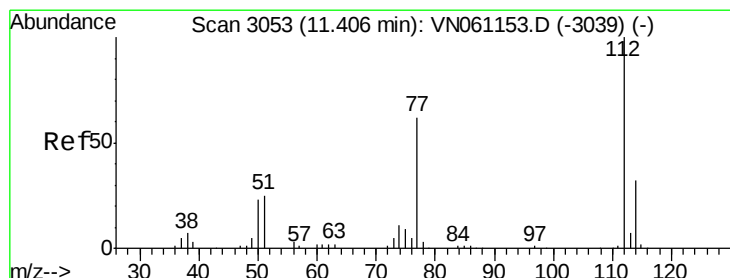
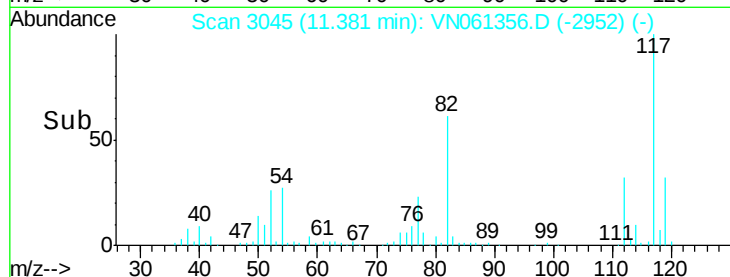
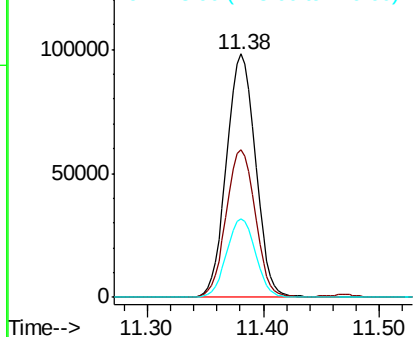
Tot Ion	Ratio	Lower	Upper
117	100		
82	60.7	47.8	71.8
119	32.4	25.8	38.6

Manual Integrations
APPROVED

MMDadoda
5/11/2020 12:36:39 PM

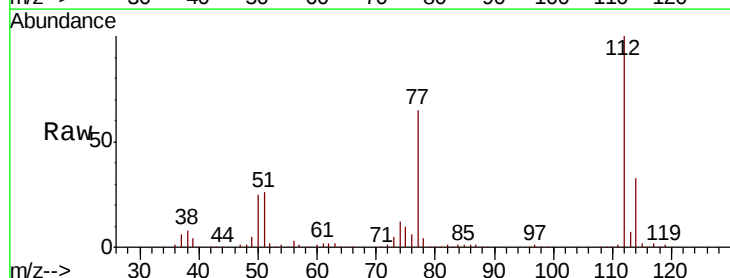


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

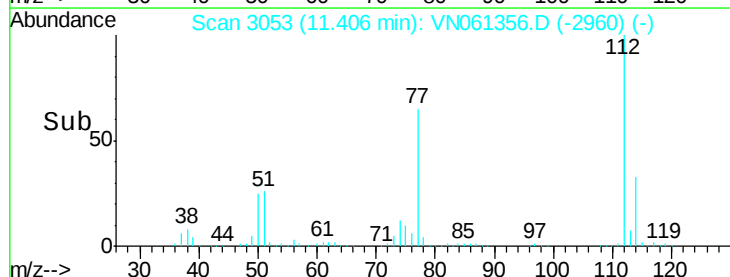
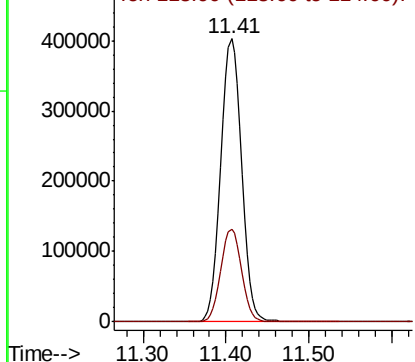


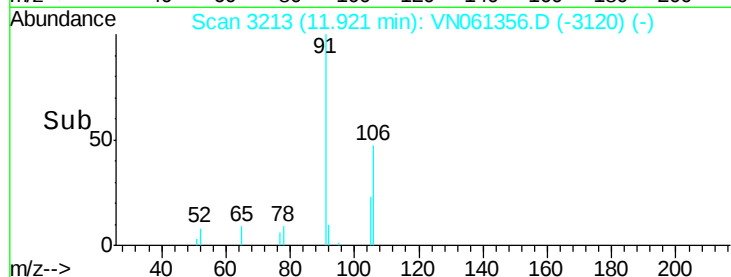
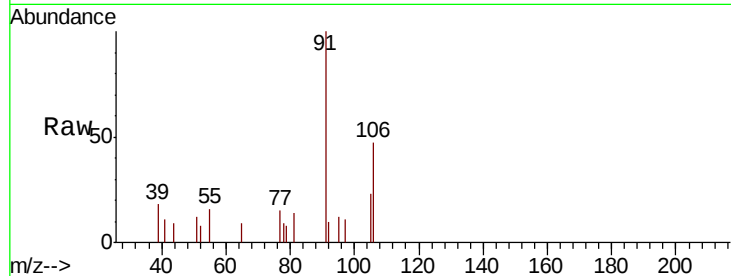
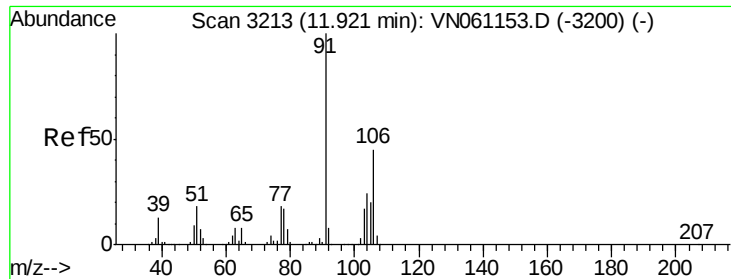
#65
Chlorobenzene
Concen: 206.968 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061356.D
Acq: 8 May 2020 13:03

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.4	38.2



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





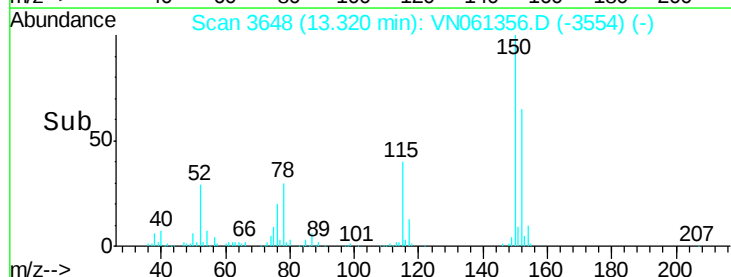
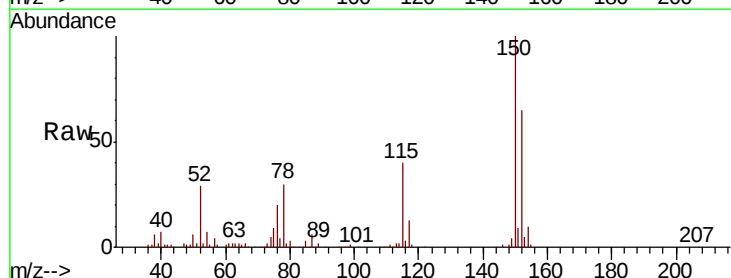
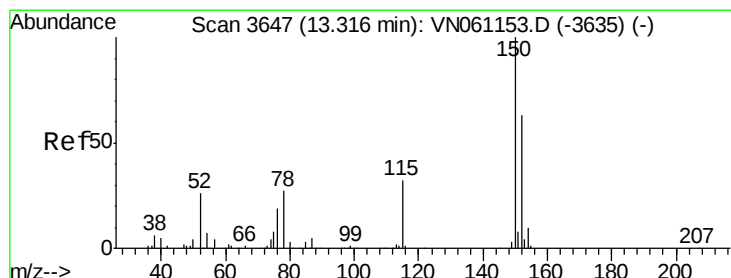
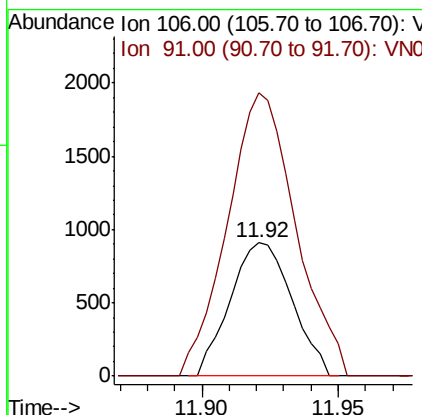
#69
o-Xylene
Concen: 0.644 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061356.D
Acq: 8 May 2020 13:03

Tot Ion:106 Resp: 1431
Ion Ratio Lower Upper
106 100
91 234.1 109.7 329.0

Instrument :
MSVOA_N
ClientSampleId :
SS038MW013-200504

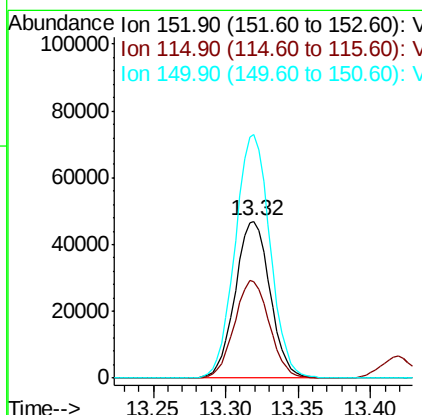
Manual Integrations
APPROVED

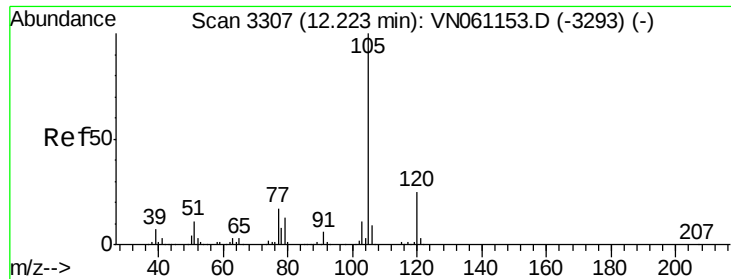
MMDadoda
5/11/2020 12:36:39 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3648
Delta R.T. 0.00 min
Lab File: VN061356.D
Acq: 8 May 2020 13:03

Tgt Ion:152 Resp: 78523
Ion Ratio Lower Upper
152 100
115 62.6 31.0 93.0
150 155.9 0.0 351.8





#73

Isopropylbenzene

Concen: 1.097 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061356.D

Acq: 8 May 2020 13:03

Instrument :

MSVOA_N

ClientSampleId :

SS038MW013-200504

Tot Ion: 105 Resp: 6331

Ion Ratio Lower Upper

105 100

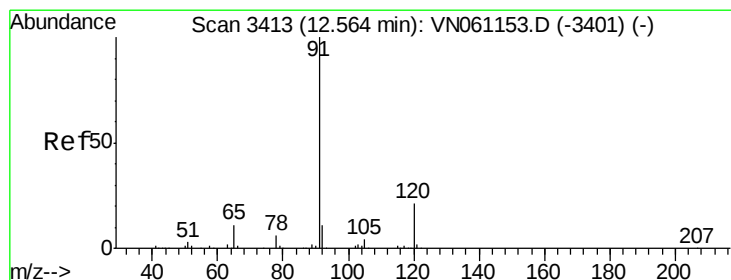
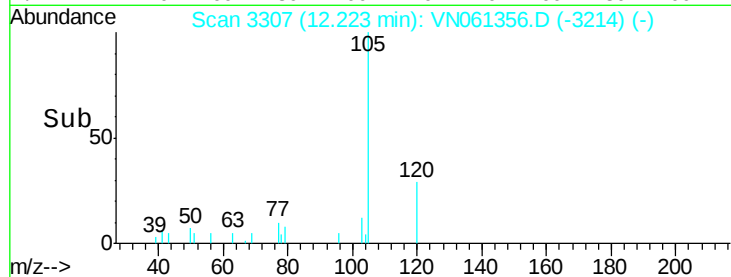
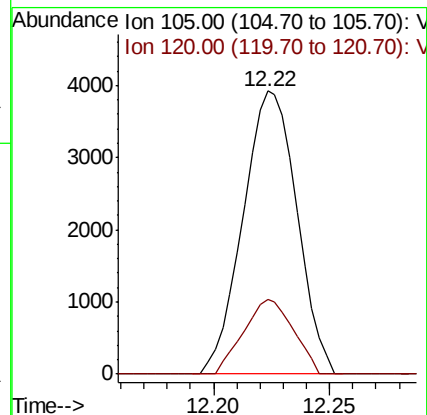
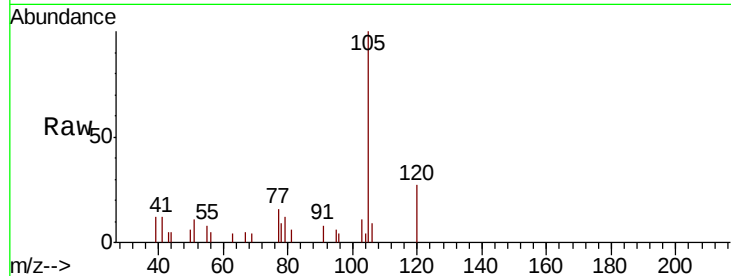
120 24.4 12.6 37.8

Manual Integrations

APPROVED

MMDadoda

5/11/2020 12:36:39 PM



#78

n-propylbenzene

Concen: 0.323 ug/l

RT: 12.57 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN061356.D

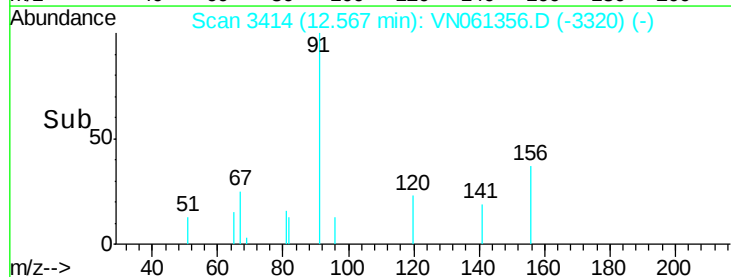
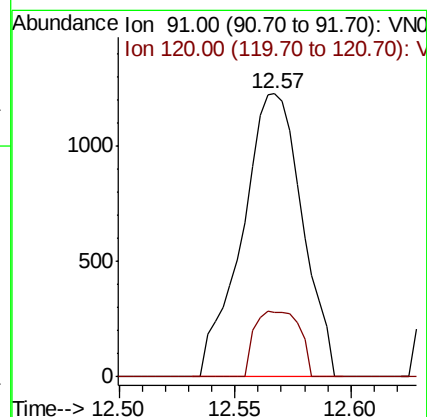
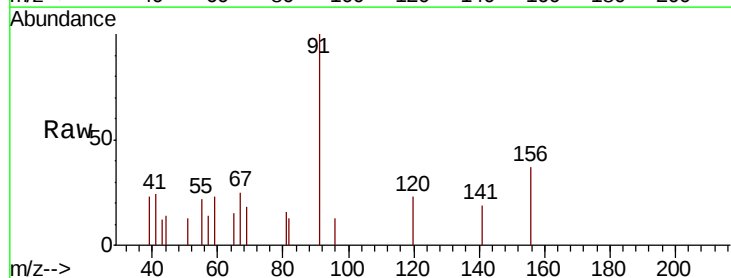
Acq: 8 May 2020 13:03

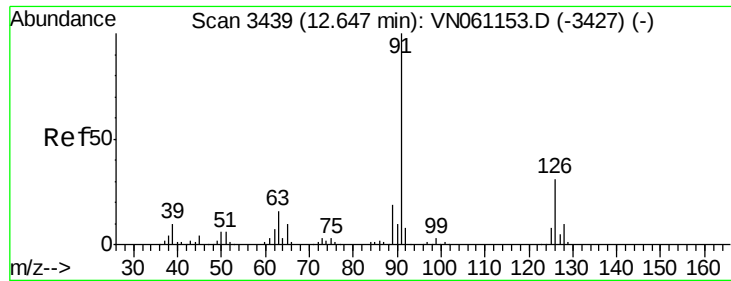
Tgt Ion: 91 Resp: 2213

Ion Ratio Lower Upper

91 100

120 17.1 10.8 32.3





#79

2-Chlorotoluene

Concen: 0.338 ug/l

RT: 12.65 min Scan# 3439

Delta R.T. 0.00 min

Lab File: VN061356.D

Acq: 8 May 2020 13:03

Instrument :

MSVOA_N

ClientSampleId :

SS038MW013-200504

Tot Ion: 91 Resp: 1361

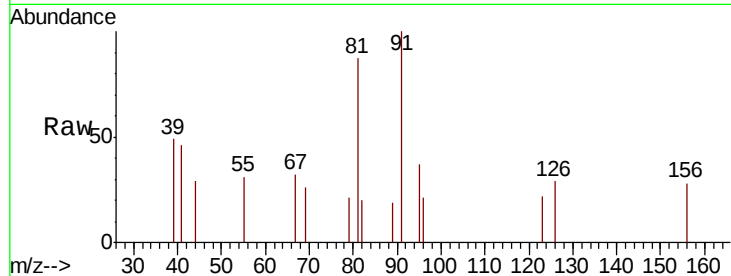
Ion Ratio Lower Upper

91 100

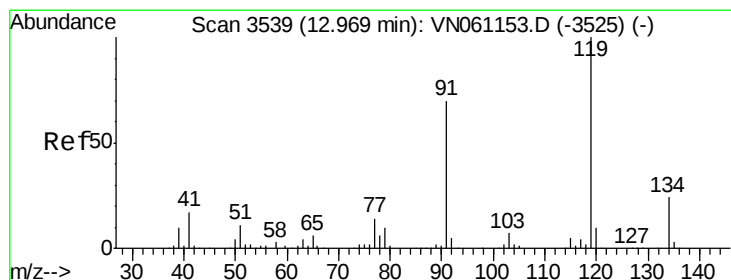
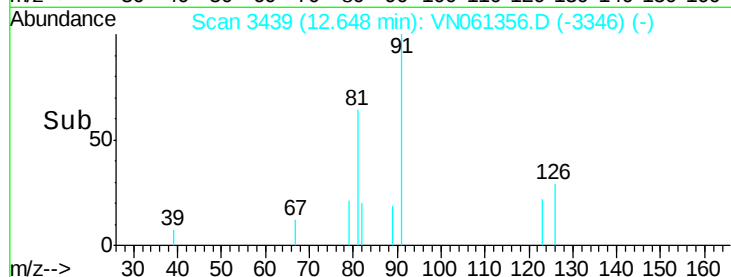
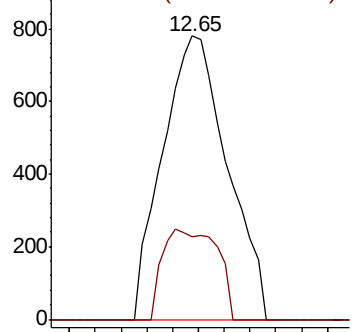
126 26.8 15.9 47.7

Manual Integrations
APPROVED

MMDadoda
5/11/2020 12:36:39 PM



Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3427) (-)



#83

tert-Butylbenzene

Concen: 5.982 ug/l

RT: 12.97 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VN061356.D

Acq: 8 May 2020 13:03

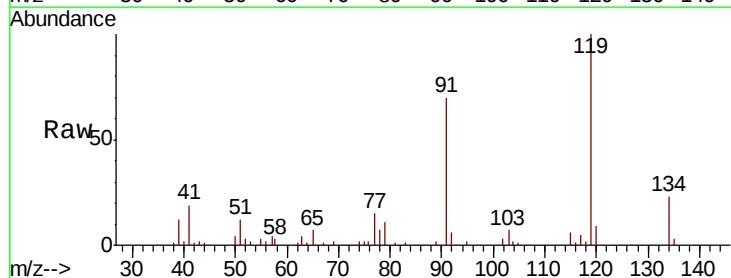
Tgt Ion: 119 Resp: 24099

Ion Ratio Lower Upper

119 100

91 73.6 34.8 104.4

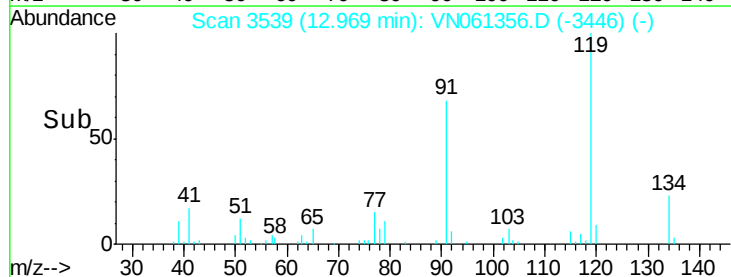
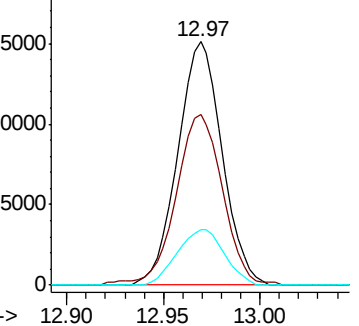
134 24.2 12.9 38.7

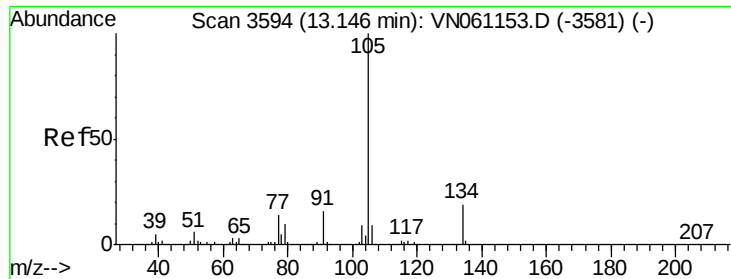


Abundance Ion 119.00 (118.70 to 119.70): VN061153.D (-3525) (-)

Ion 91.00 (90.70 to 91.70): VN061153.D (-3525) (-)

Ion 134.00 (133.70 to 134.70): VN061153.D (-3525) (-)





#85

sec-Butylbenzene

Concen: 6.265 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VN061356.D

Acq: 8 May 2020 13:03

Instrument :

MSVOA_N

ClientSampleId :

SS038MW013-200504

Tot Ion:105 Resp: 34413

Ion Ratio Lower Upper

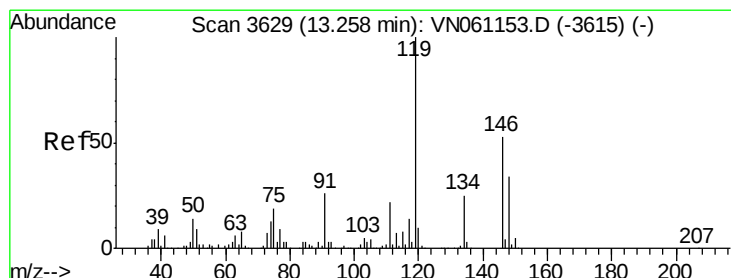
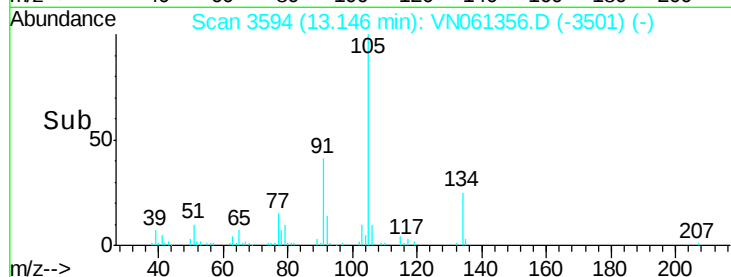
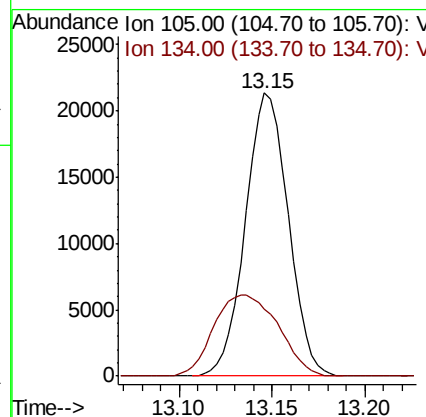
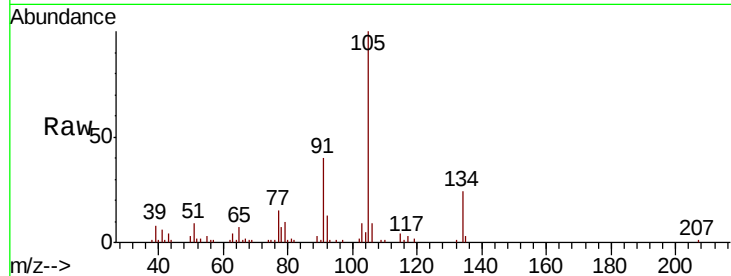
105 100

134 42.9 9.6 28.8#

Manual Integrations
APPROVED

MMDadoda

5/11/2020 12:36:39 PM



#87

1,3-Dichlorobenzene

Concen: 0.542 ug/l

RT: 13.26 min Scan# 3629

Delta R.T. 0.00 min

Lab File: VN061356.D

Acq: 8 May 2020 13:03

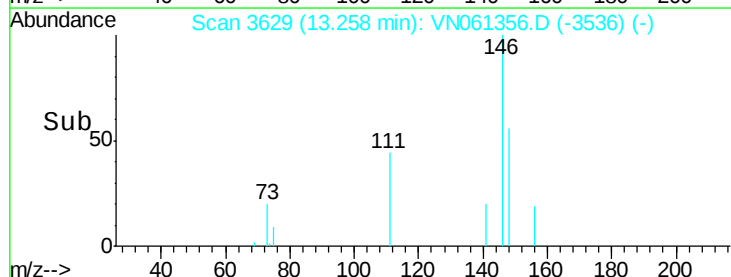
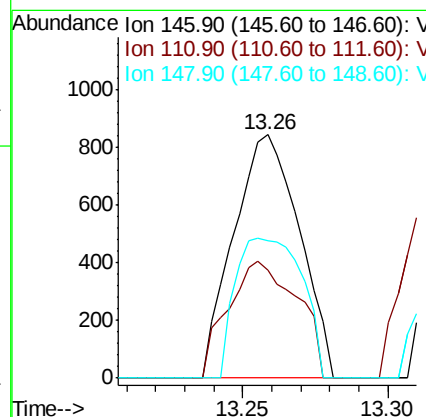
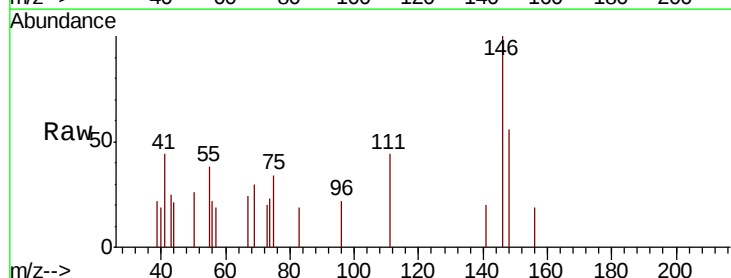
Tgt Ion:146 Resp: 1330

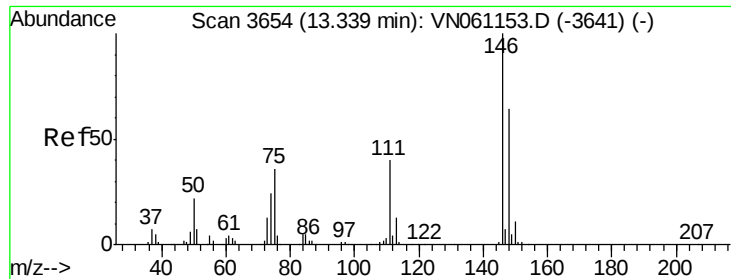
Ion Ratio Lower Upper

146 100

111 50.9 20.7 62.1

148 58.0 31.8 95.3





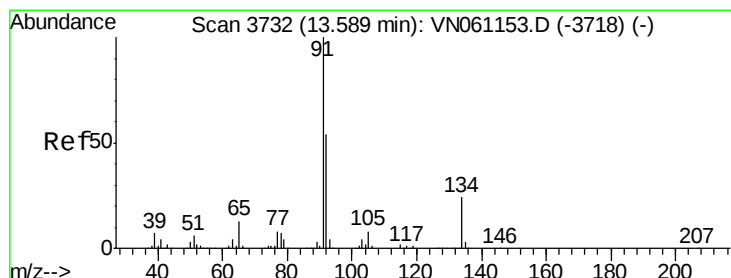
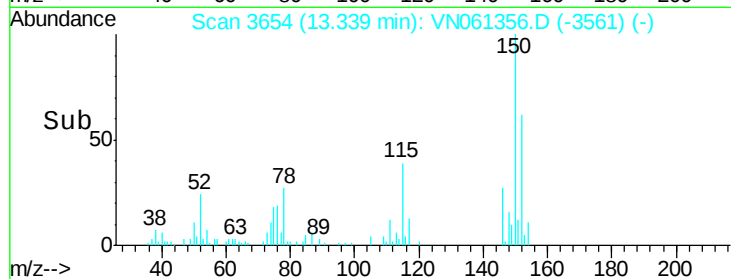
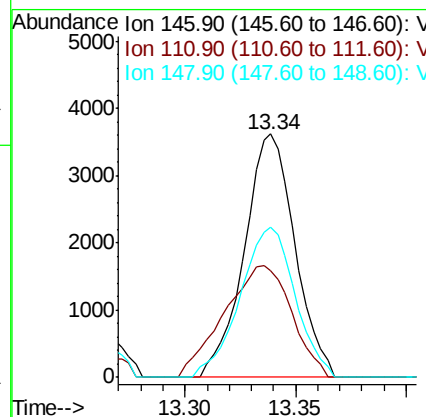
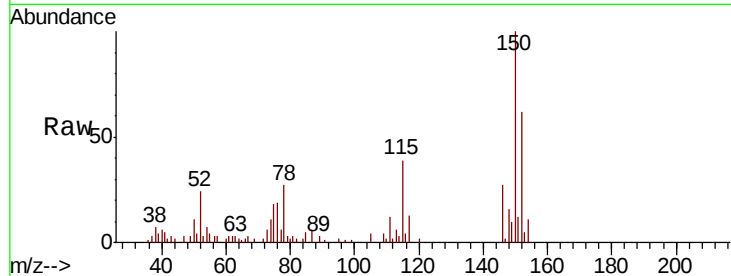
#88
 1,4-Dichlorobenzene
 Concen: 2.305 ug/l
 RT: 13.34 min Scan# 3654
 Delta R.T. 0.00 min
 Lab File: VN061356.D
 Acq: 8 May 2020 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 SS038MW013-200504

Tot Ion	Ratio	Lower	Upper
146	100		
111	60.9	20.4	61.3
148	66.9	31.9	95.7

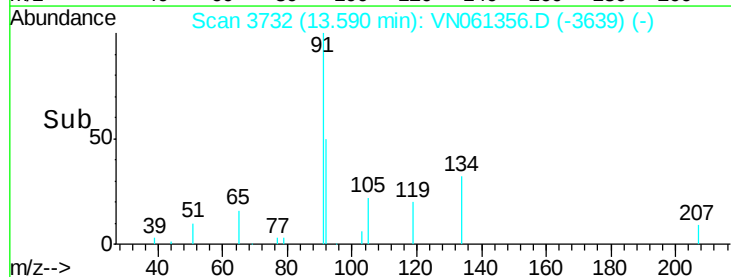
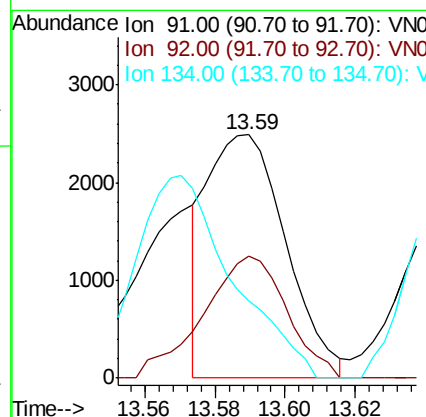
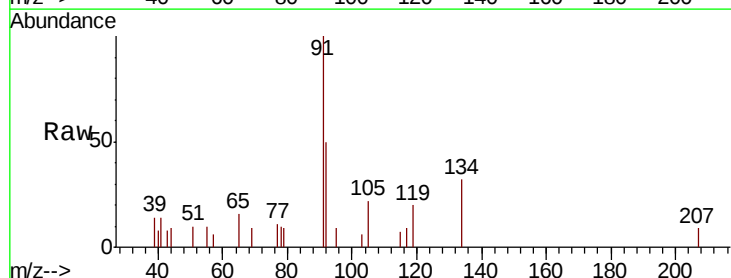
Manual Integrations
 APPROVED

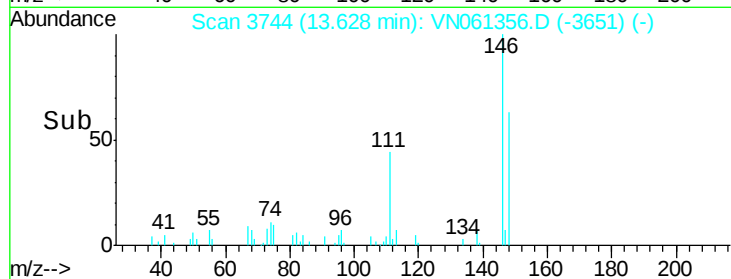
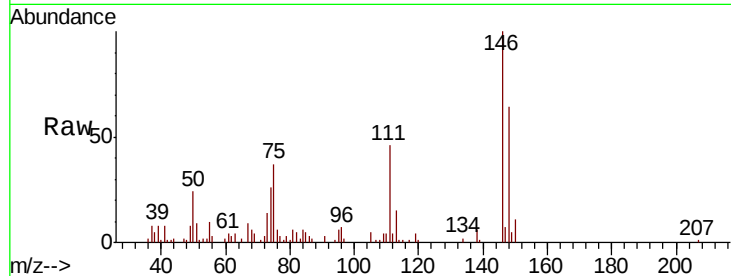
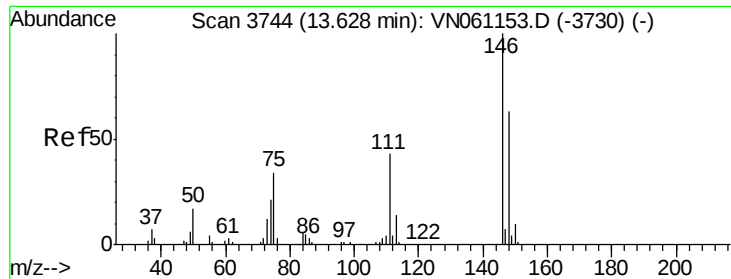
MMDadoda
 5/11/2020 12:36:39 PM



#89
 n-Butylbenzene
 Concen: 0.853 ug/l m
 RT: 13.59 min Scan# 3732
 Delta R.T. 0.00 min
 Lab File: VN061356.D
 Acq: 8 May 2020 13:03

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.8	80.3
134	101.9	11.9	35.5#





#91
 1,2-Dichlorobenzene
 Concen: 11.934 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061356.D
 Acq: 8 May 2020 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 SS038MW013-200504

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.5	21.8	65.3
148	63.5	31.6	95.0

Manual Integrations
 APPROVED

MMDadoda
 5/11/2020 12:36:39 PM

