

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050820\
 Data File : VY002640.D
 Acq On : 08 May 2020 14:15
 Operator : SY/MD
 Sample : L2495-01
 Misc : 7.05G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-05-050720

Manual Integrations
 APPROVED

MMDadoda
 5/11/2020 1:00:53 PM

Quant Time: May 11 01:53:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	320153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	493766	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	425734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	184580	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	138390	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
35) Dibromofluoromethane	7.74	113	147023	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	
50) Toluene-d8	10.19	98	570241	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
62) 4-Bromofluorobenzene	12.49	95	173623	46.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.80%	
Target Compounds						
16) Acetone	3.97	43	9432	16.978	ug/l	97
52) Toluene	10.25	92	128525	16.728	ug/l	99
67) Ethyl Benzene	11.60	91	33942	2.388	ug/l	98
68) m/p-Xylenes	11.71	106	59911	10.892	ug/l	99
69) o-Xylene	12.03	106	26192	5.086	ug/l	96
78) n-propylbenzene	12.67	91	29192	2.103	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	55532	5.600	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	185798	18.801	ug/l	99
85) sec-Butylbenzene	13.25	105	14333	1.188	ug/l	88
89) n-Butylbenzene	13.70	91	22114m	2.149	ug/l	
95) Naphthalene	15.25	128	17288	2.586	ug/l #	93

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

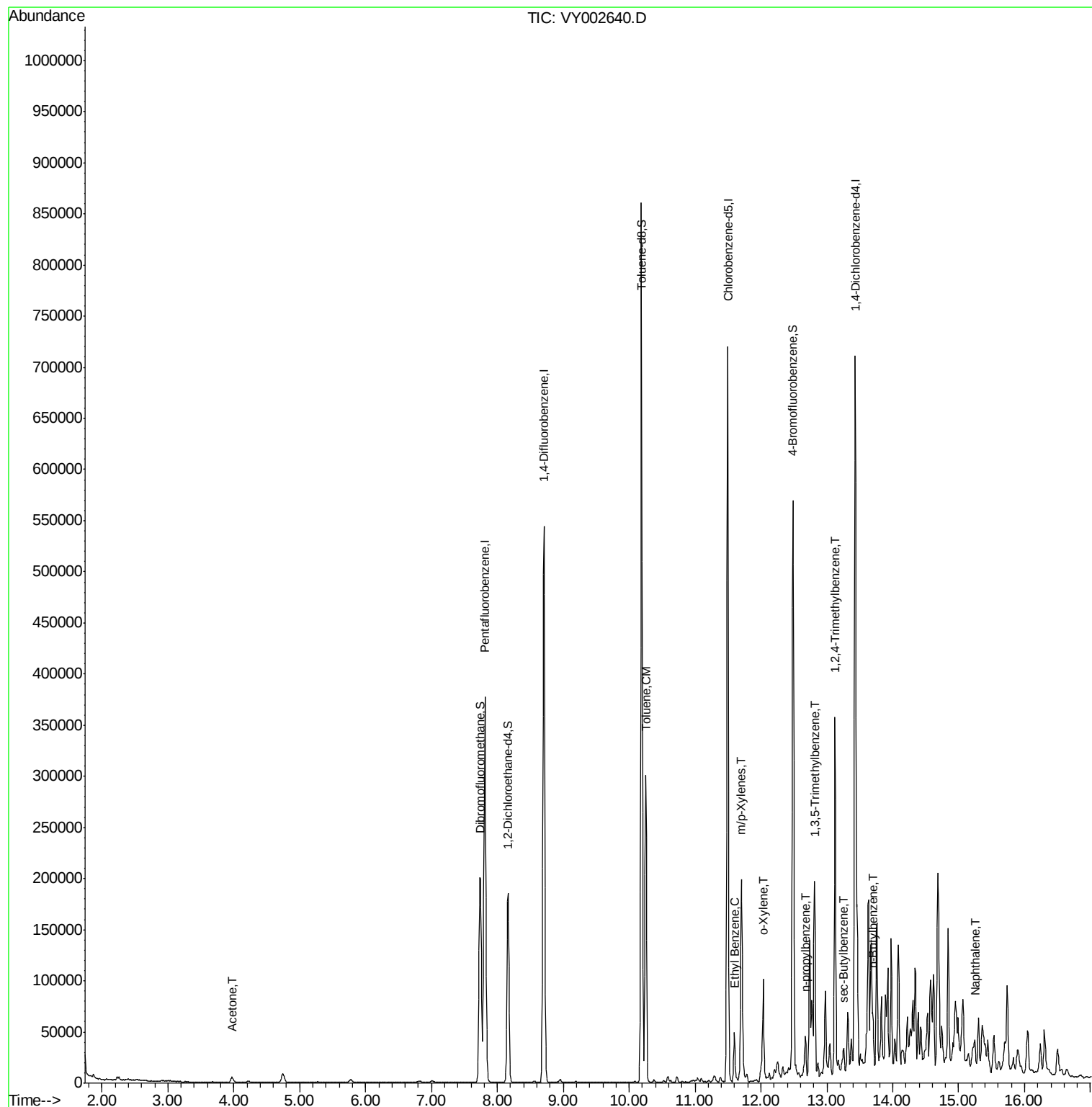
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050820\
Data File : VY002640.D
Acq On : 08 May 2020 14:15
Operator : SY/MD
Sample : L2495-01
Misc : 7.05G/5ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

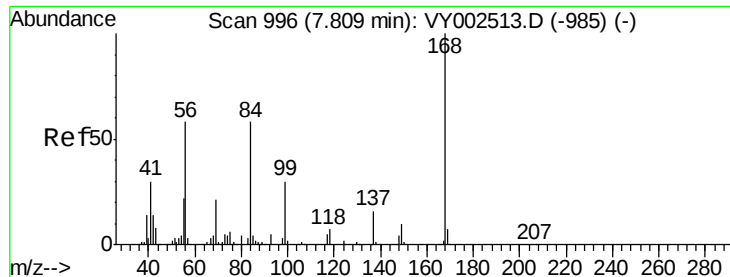
Instrument :
MSVOA_Y
ClientSampleId :
HR-05-050720

Manual Integrations
APPROVED

MMDadoda
5/11/2020 1:00:53 PM

Quant Time: May 11 01:53:18 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260
QLast Update : Mon May 04 12:22:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY002640.D

Acq: 08 May 2020 14:15

Instrument :

MSVOA_Y

ClientSampleId :

HR-05-050720

Tot Ion:168 Resp: 320153

Ion Ratio Lower Upper

168 100

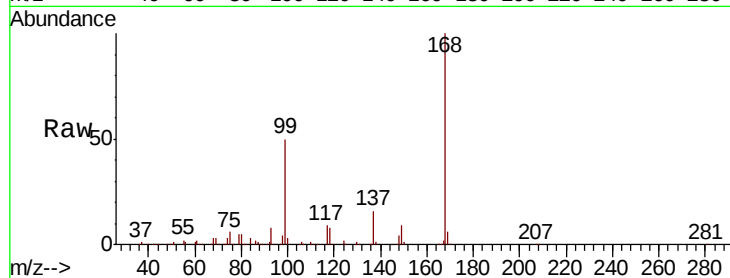
99 49.8 39.2 58.8

Manual Integrations

APPROVED

MMDadoda

5/11/2020 1:00:53 PM



Abundance Ion 167.90 (167.60 to 168.60): VY002640.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002640.D (-947) (-)

7.81

150000

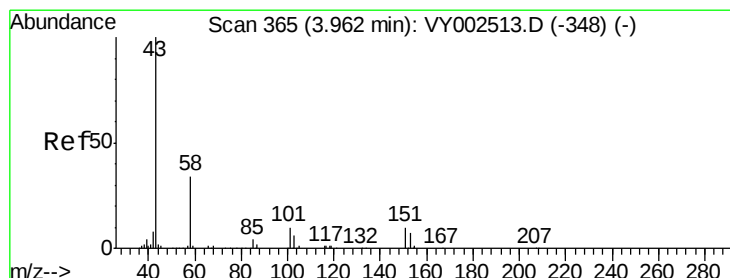
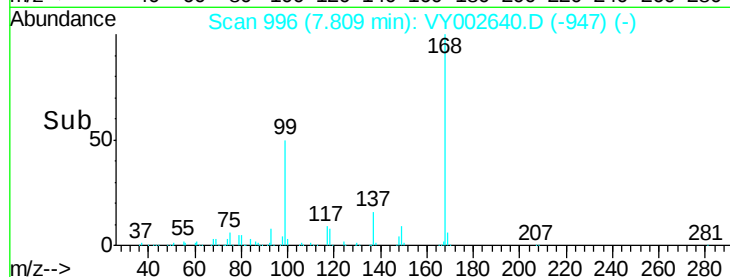
100000

50000

0

7.70 7.80 7.90

Time-->



#16

Acetone

Concen: 16.978 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY002640.D

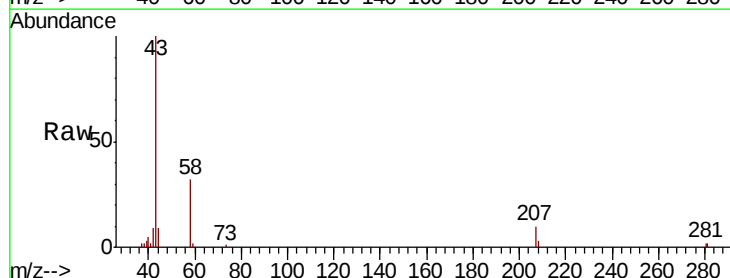
Acq: 08 May 2020 14:15

Tgt Ion: 43 Resp: 9432

Ion Ratio Lower Upper

43 100

58 31.8 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY002640.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VY002640.D (-316) (-)

3.97

4000

3000

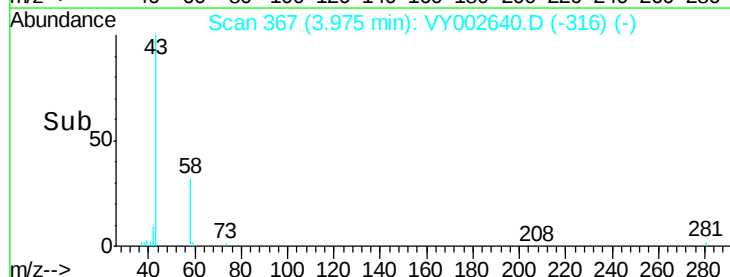
2000

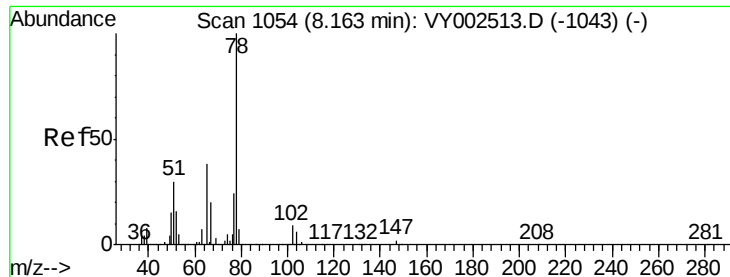
1000

0

3.90 4.00 4.10

Time-->





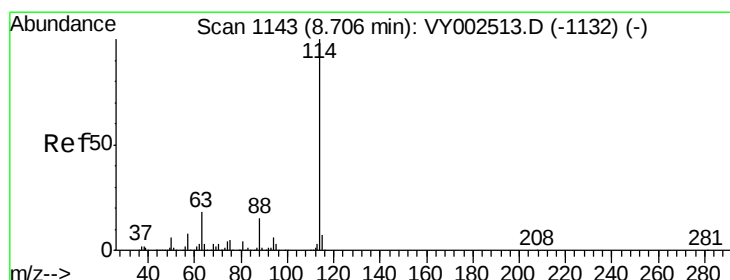
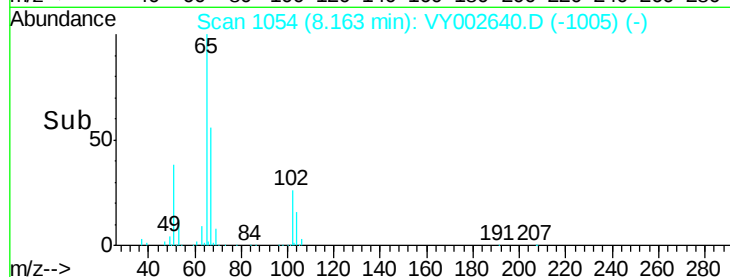
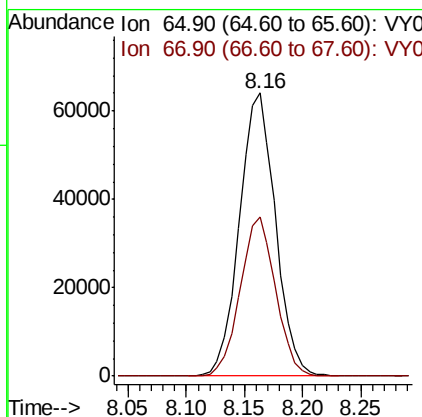
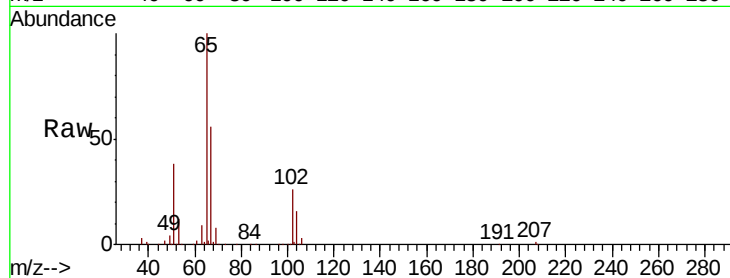
#33
 1,2-Dichloroethane-d4
 Concen: 51.410 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VY002640.D
 Acq: 08 May 2020 14:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-05-050720

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.2	0.0	107.2	

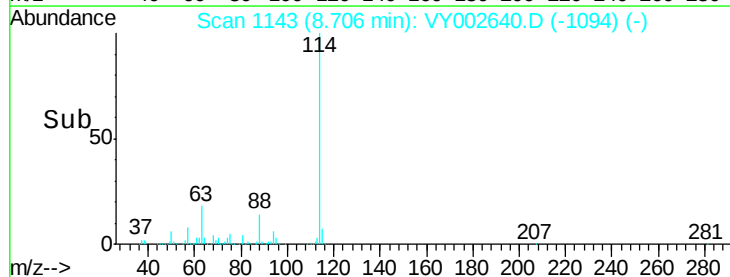
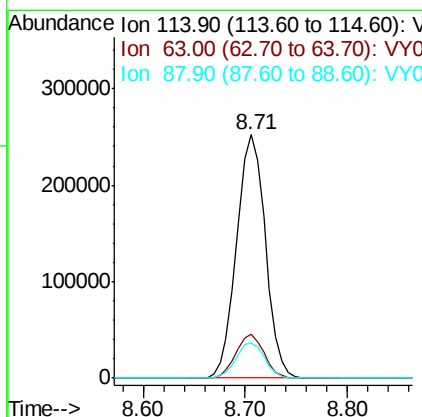
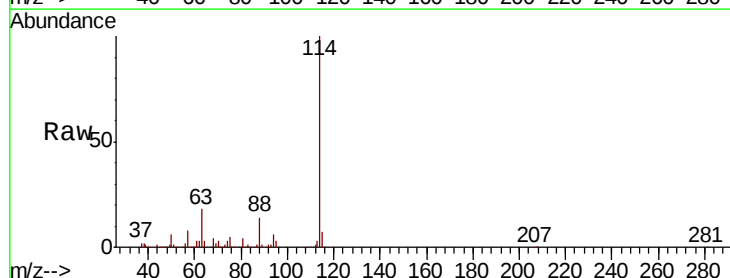
Manual Integrations
 APPROVED

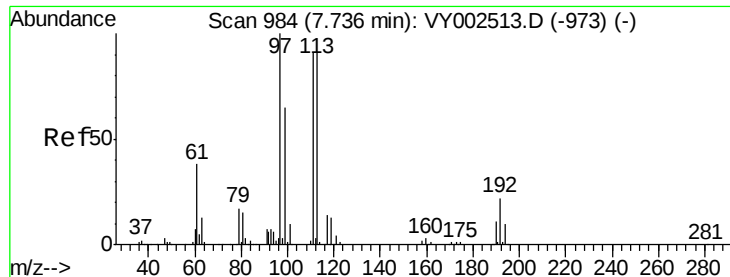
MMDadoda
 5/11/2020 1:00:53 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY002640.D
 Acq: 08 May 2020 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.9	0.0	36.4	
88	14.1	0.0	29.6	





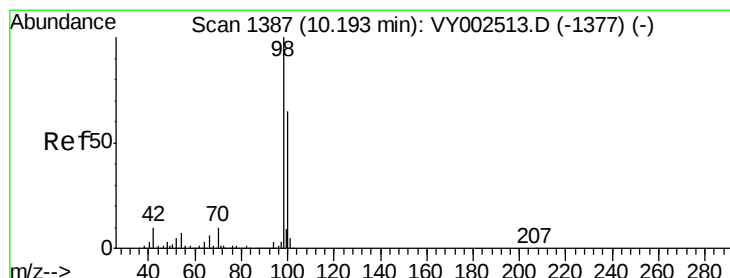
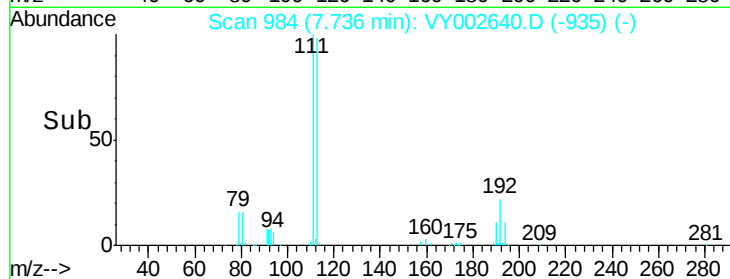
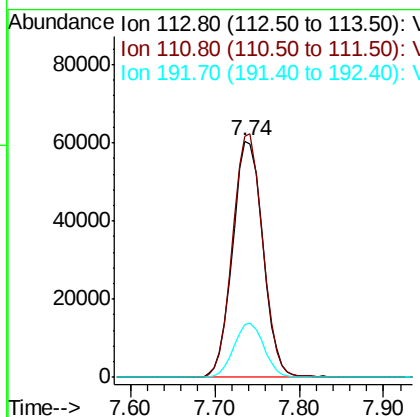
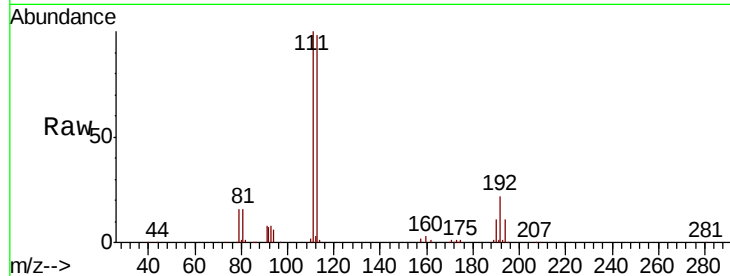
#35
 Dibromofluoromethane
 Concen: 52.065 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.00 min
 Lab File: VY002640.D
 Acq: 08 May 2020 14:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-05-050720

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.8	122.6
192	22.6	18.2	27.4

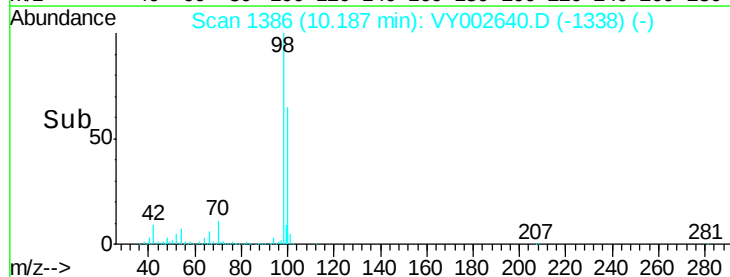
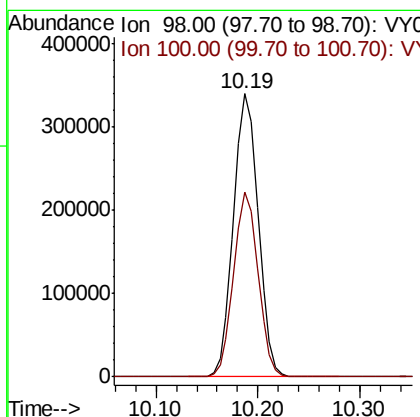
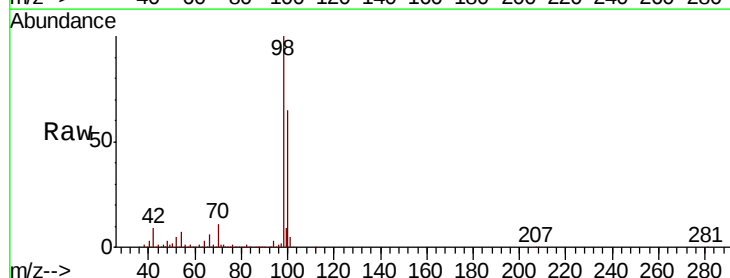
Manual Integrations
 APPROVED

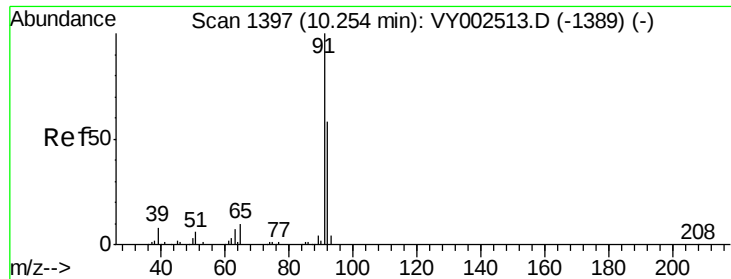
MMDadoda
 5/11/2020 1:00:53 PM



#50
 Toluene-d8
 Concen: 51.710 ug/l
 RT: 10.19 min Scan# 1386
 Delta R.T. -0.01 min
 Lab File: VY002640.D
 Acq: 08 May 2020 14:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.2





#52

Toluene

Concen: 16.728 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VY002640.D

Acq: 08 May 2020 14:15

Instrument :

MSVOA_Y

ClientSampleId :

HR-05-050720

Tot Ion: 92 Resp: 128525

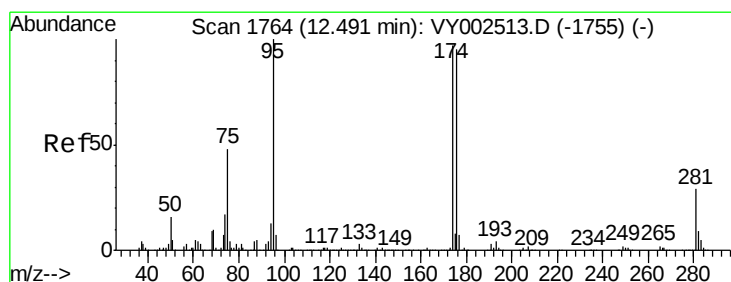
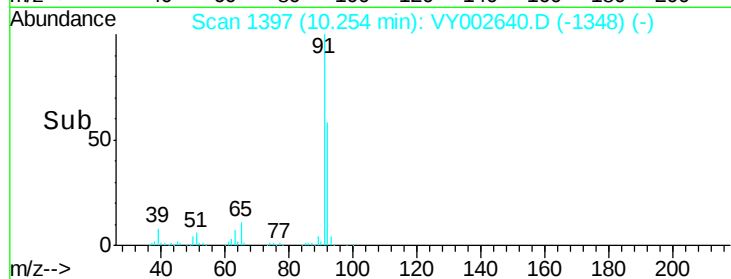
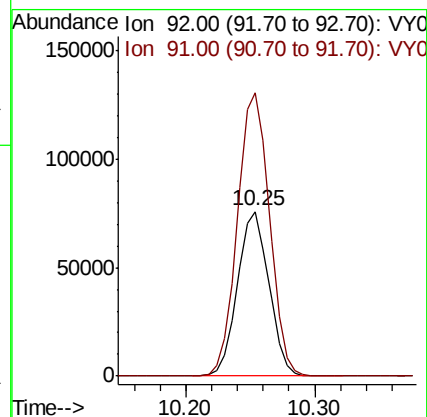
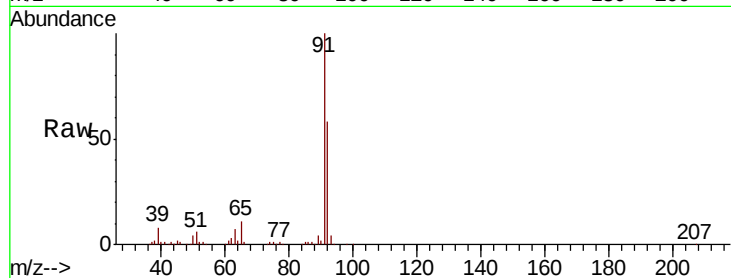
Ion Ratio Lower Upper

92 100

91 175.6 139.3 208.9

Manual Integrations
APPROVED

MMDadoda
5/11/2020 1:00:53 PM



#62

4-Bromofluorobenzene

Concen: 46.399 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY002640.D

Acq: 08 May 2020 14:15

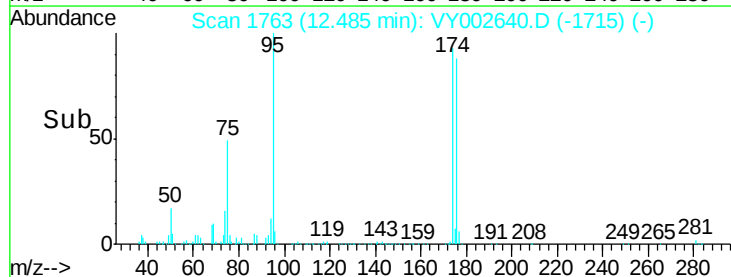
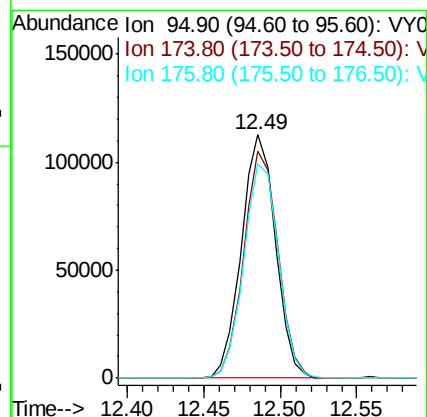
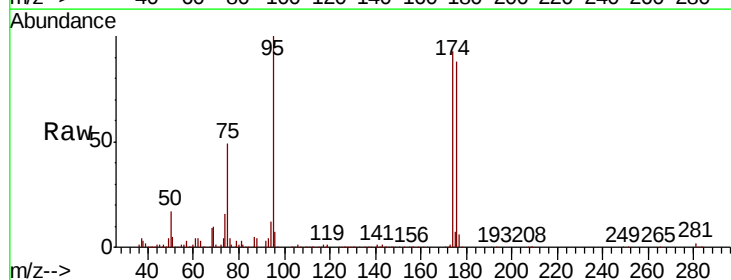
Tgt Ion: 95 Resp: 173623

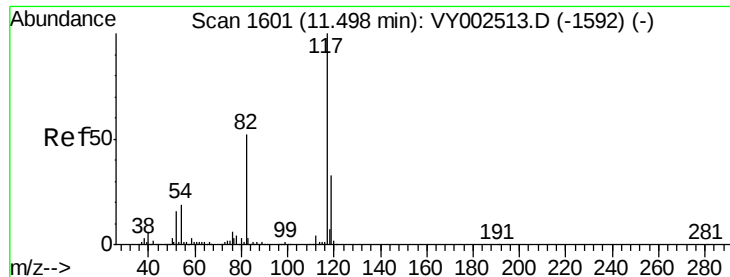
Ion Ratio Lower Upper

95 100

174 94.0 0.0 188.8

176 90.5 0.0 183.2





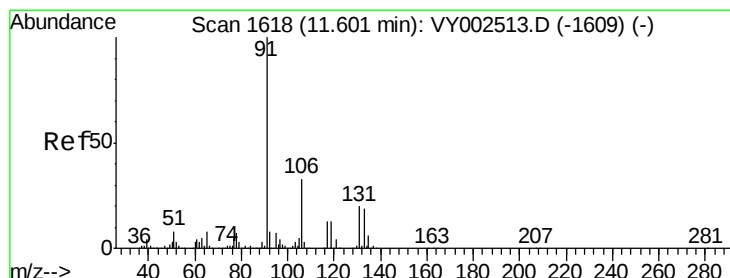
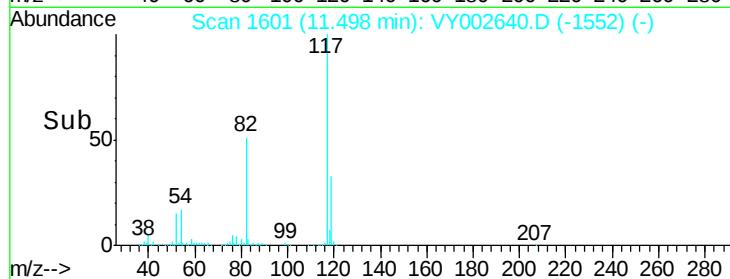
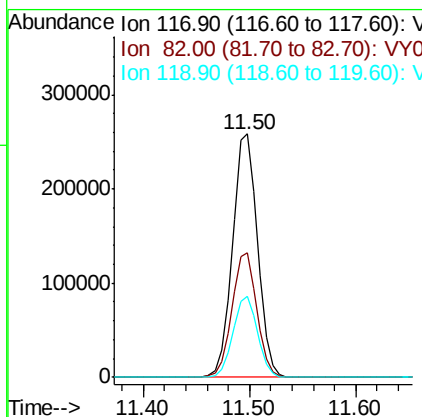
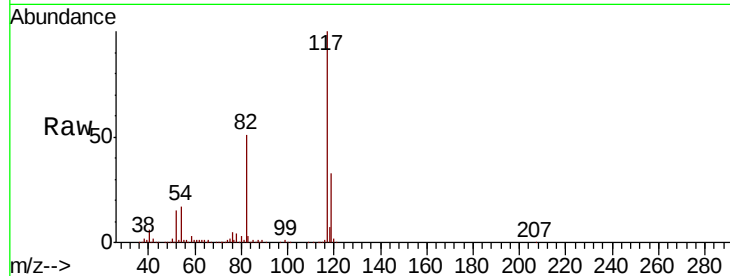
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY002640.D
Acq: 08 May 2020 14:15

Instrument :
MSVOA_Y
ClientSampleId :
HR-05-050720

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	41.3	61.9
119	33.5	26.0	39.0

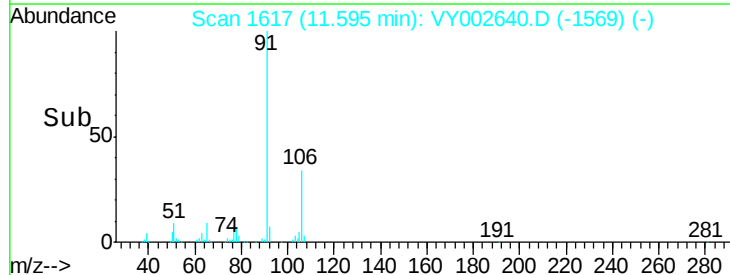
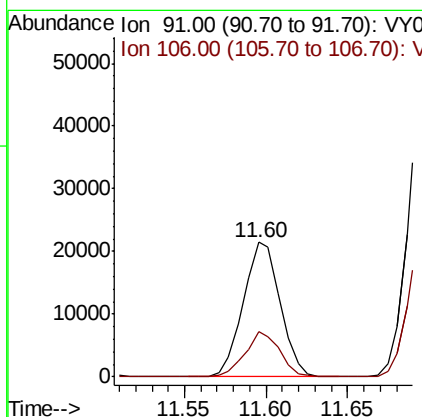
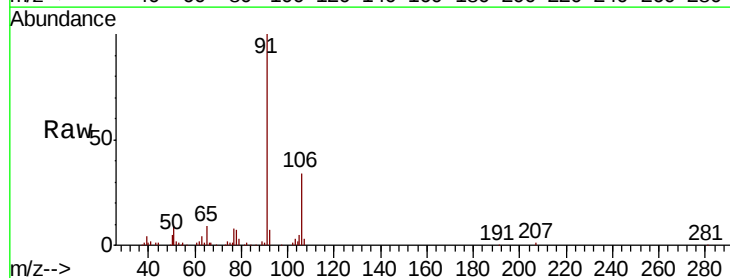
Manual Integrations
APPROVED

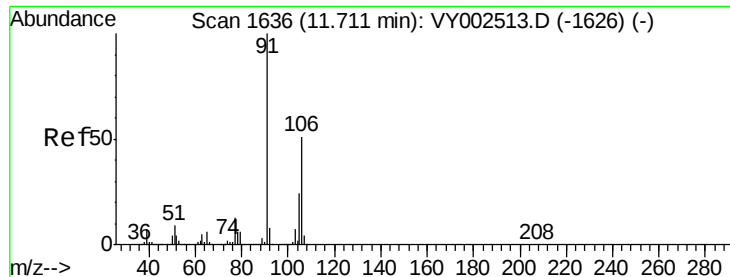
MMDadoda
5/11/2020 1:00:53 PM



#67
Ethyl Benzene
Concen: 2.388 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002640.D
Acq: 08 May 2020 14:15

Tgt Ion	Ratio	Lower	Upper
91	100		
106	34.0	26.1	39.1





#68

m/p-Xvlenes

Concen: 10.892 ug/l

RT: 11.71 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VY002640.D

Acq: 08 May 2020 14:15

Instrument :

MSVOA_Y

ClientSampleId :

HR-05-050720

Tot Ion:106 Resp: 59911

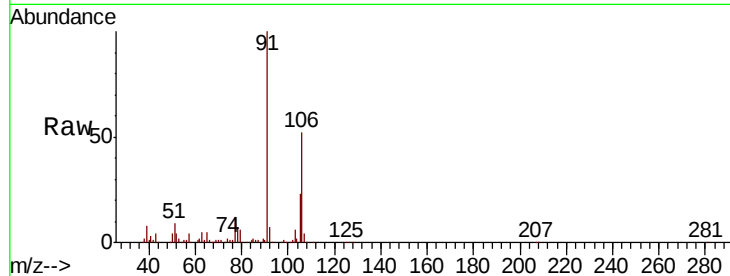
Ion Ratio Lower Upper

106 100

91 196.0 155.2 232.8

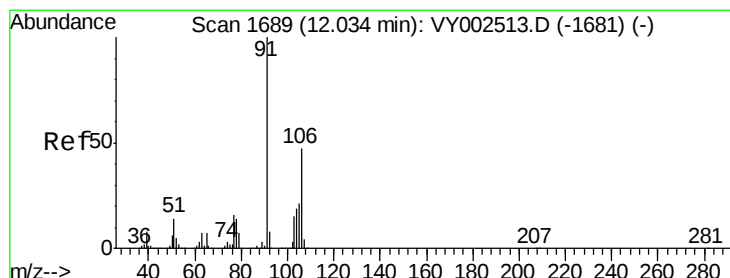
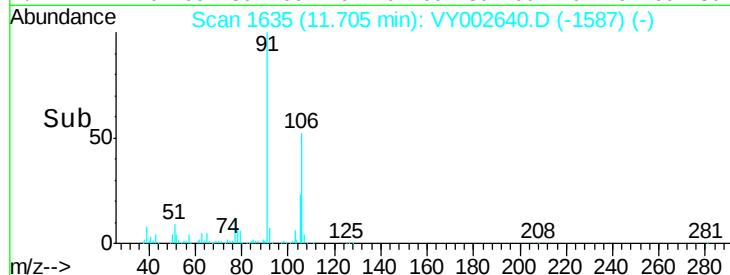
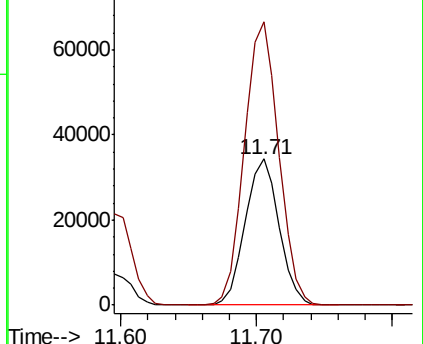
Manual Integrations
APPROVED

MMDadoda
5/11/2020 1:00:53 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#69

o-Xylene

Concen: 5.086 ug/l

RT: 12.03 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VY002640.D

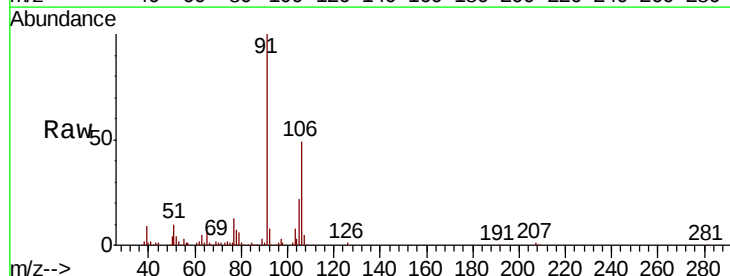
Acq: 08 May 2020 14:15

Tgt Ion:106 Resp: 26192

Ion Ratio Lower Upper

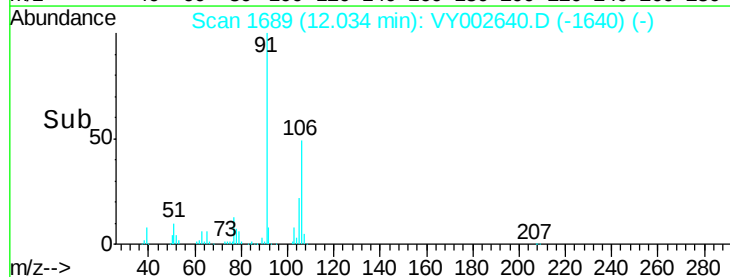
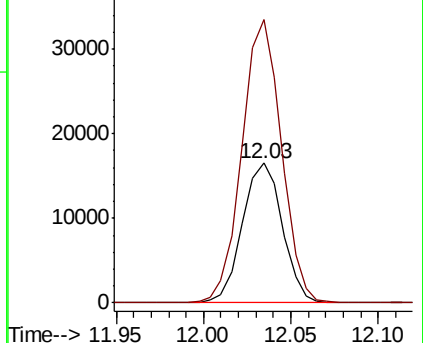
106 100

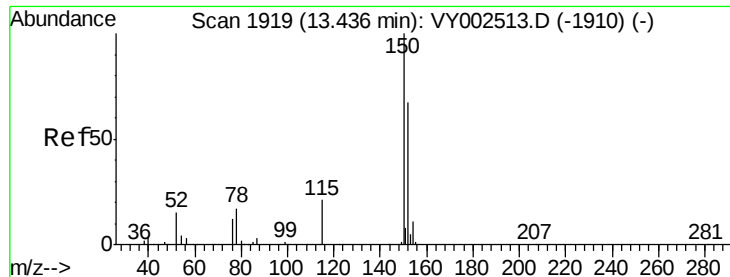
91 200.6 103.8 311.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY002640.D

Acq: 08 May 2020 14:15

Instrument :

MSVOA_Y

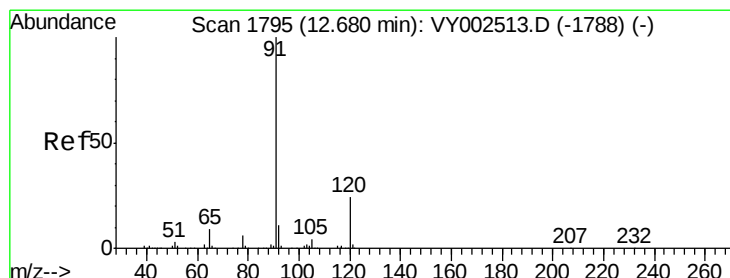
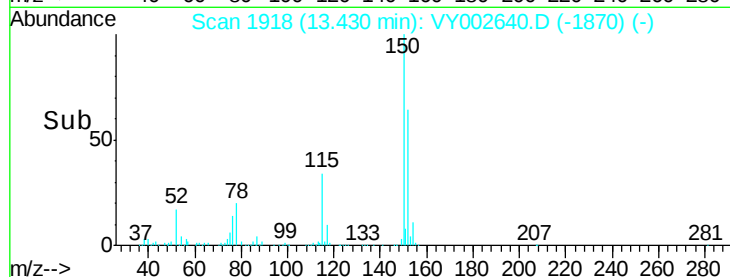
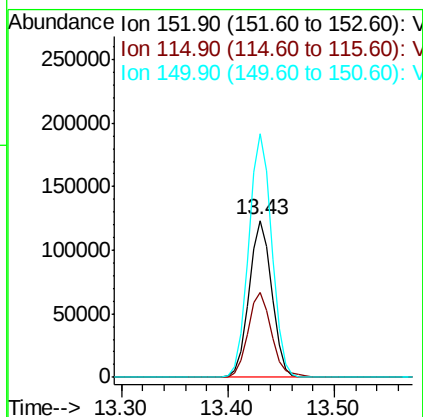
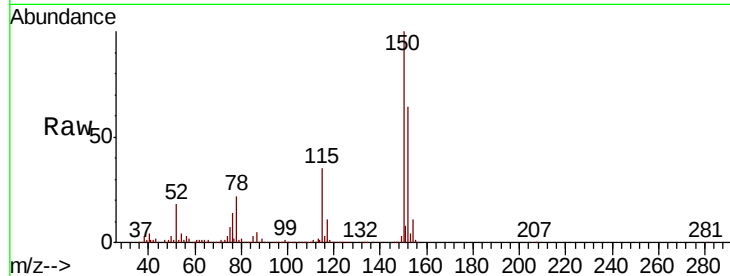
ClientSampleId :

HR-05-050720

Tot Ion:	152	Resp:	184580
Ion	Ratio	Lower	Upper
152	100		
115	56.4	27.5	82.4
150	157.6	0.0	346.4

Manual Integrations
APPROVED

MMDadoda
5/11/2020 1:00:53 PM



#78

n-propylbenzene

Concen: 2.103 ug/l

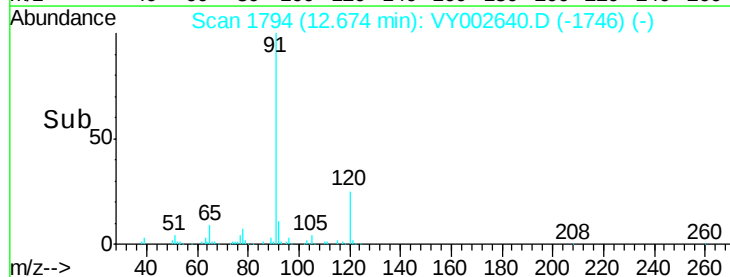
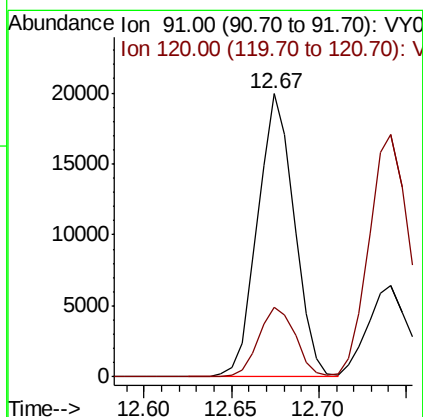
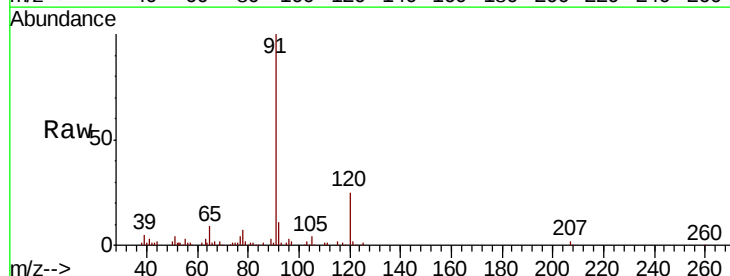
RT: 12.67 min Scan# 1794

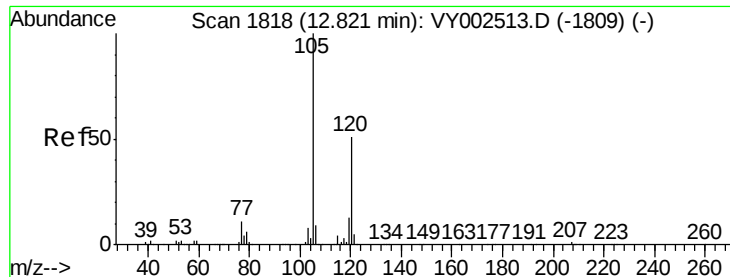
Delta R.T. -0.01 min

Lab File: VY002640.D

Acq: 08 May 2020 14:15

Tgt Ion:	91	Resp:	29192
Ion	Ratio	Lower	Upper
91	100		
120	24.7	12.2	36.4





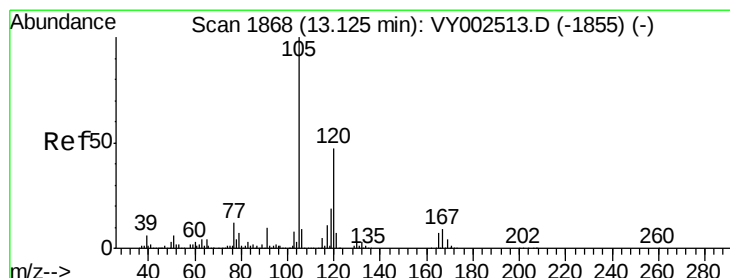
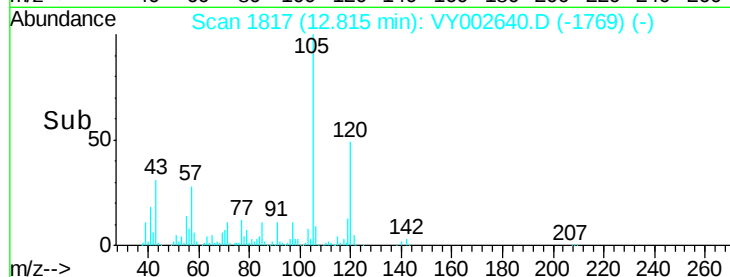
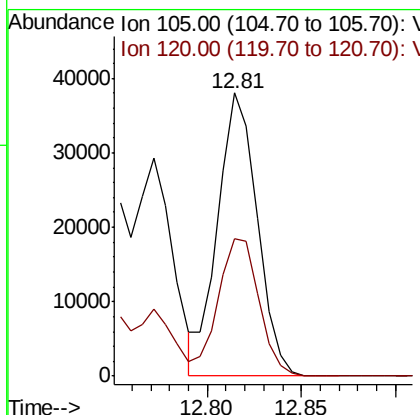
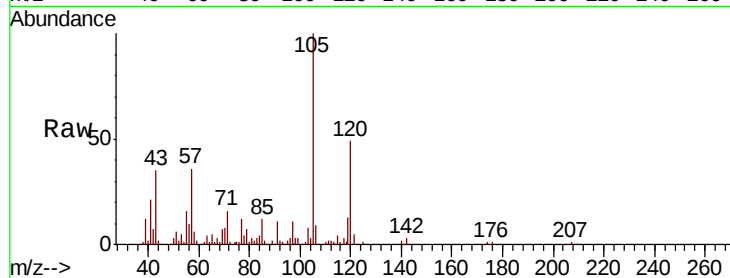
#80
 1,3,5-Trimethylbenzene
 Concen: 5.600 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. -0.01 min
 Lab File: VY002640.D
 Acq: 08 May 2020 14:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-05-050720

Tot Ion	Ratio	Lower	Upper
105	100		
120	50.2	25.3	75.9

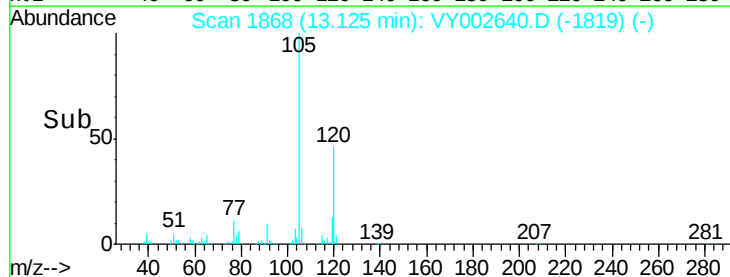
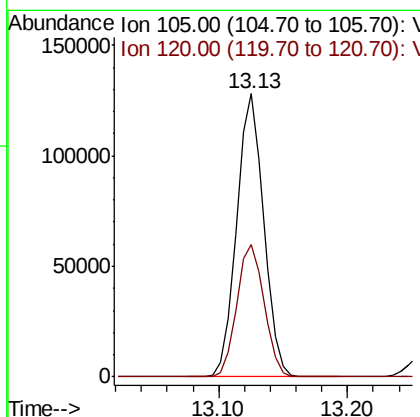
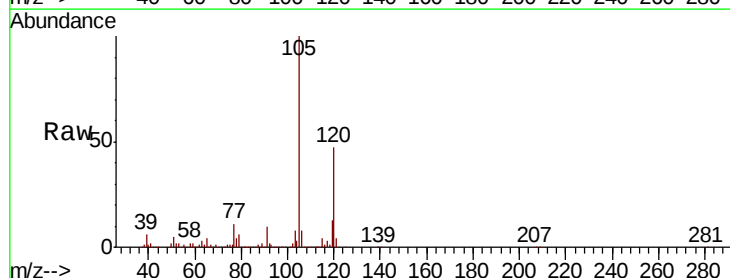
Manual Integrations
 APPROVED

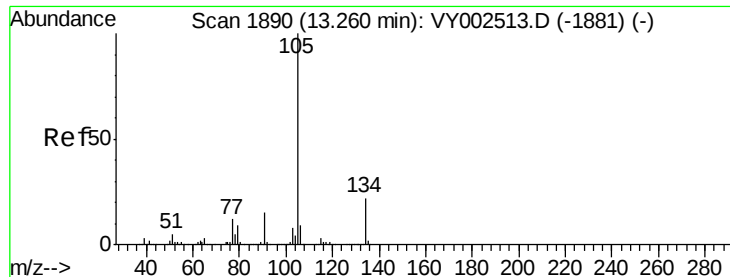
MMDadoda
 5/11/2020 1:00:53 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.801 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VY002640.D
 Acq: 08 May 2020 14:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.4	70.3





#85

sec-Butylbenzene

Concen: 1.188 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VY002640.D

Acq: 08 May 2020 14:15

Instrument :

MSVOA_Y

ClientSampleId :

HR-05-050720

Tot Ion:105 Resp: 14333

Ion Ratio Lower Upper

105 100

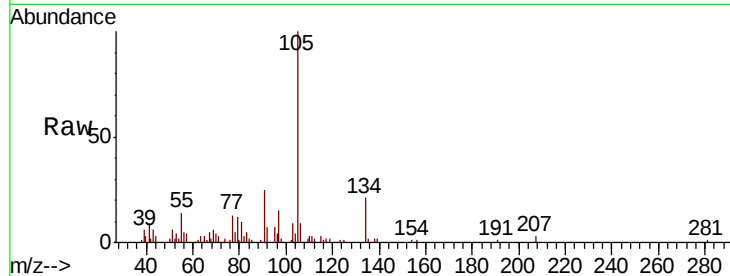
134 27.2 10.8 32.3

Manual Integrations

APPROVED

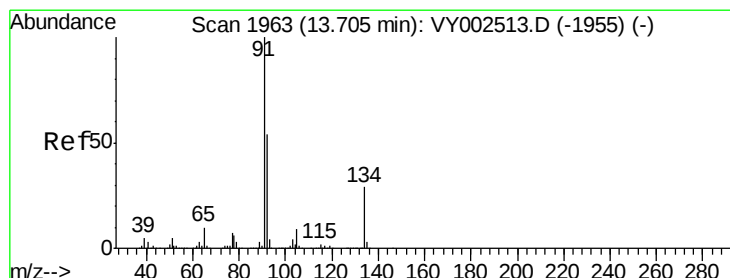
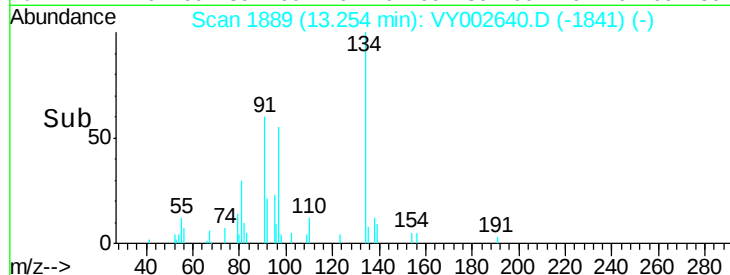
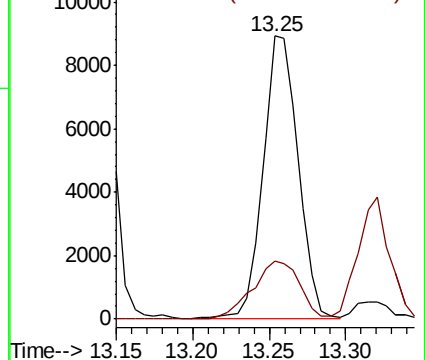
MMDadoda

5/11/2020 1:00:53 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 2.149 ug/l m

RT: 13.70 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VY002640.D

Acq: 08 May 2020 14:15

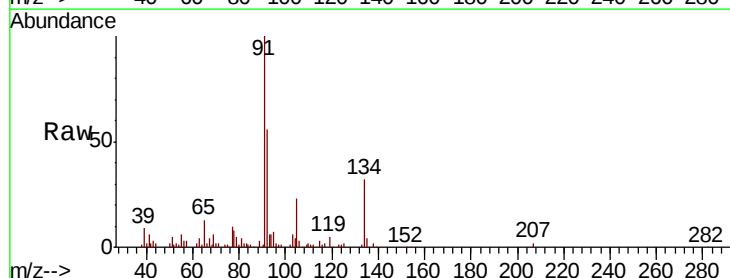
Tgt Ion: 91 Resp: 22114

Ion Ratio Lower Upper

91 100

92 0.0 27.1 81.3#

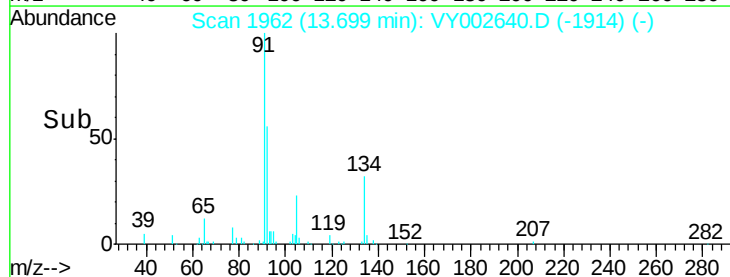
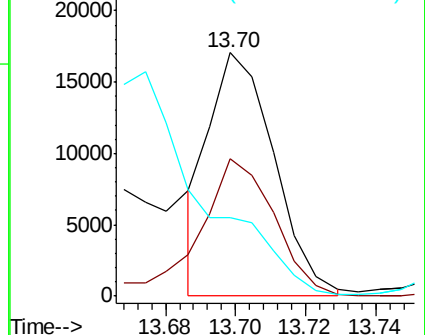
134 0.0 14.4 43.0#

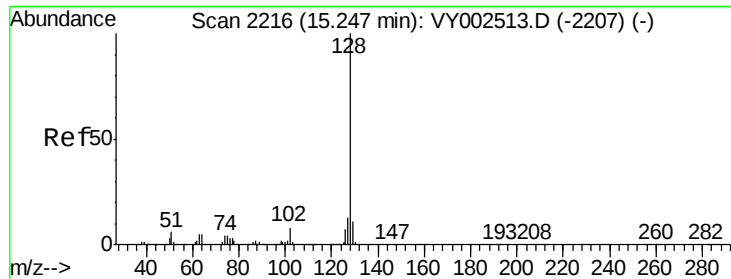


Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0

Ion 134.00 (133.70 to 134.70): V





#95
Naphthalene
Concen: 2.586 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.00 min
Lab File: VY002640.D
Acq: 08 May 2020 14:15

Instrument :
MSVOA_Y
ClientSampleId :
HR-05-050720

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	15.8	10.5	15.7#
129	13.9	8.8	13.2#

Manual Integrations
APPROVED

MMDadoda
5/11/2020 1:00:53 PM

