

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062220\
 Data File : VY002986.D
 Acq On : 22 Jun 2020 20:08
 Operator : SY/MD
 Sample : L3082-05
 Misc : 5.08G/5ML/MSVOA Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-5

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 8:13:35 PM

Quant Time: Jun 23 09:47:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 20 06:39:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	287568	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	439346	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	423315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	226590	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	132497	55.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.56%	
35) Dibromofluoromethane	7.72	113	132124	53.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.30%	
50) Toluene-d8	10.18	98	502954	51.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.62%	
62) 4-Bromofluorobenzene	12.48	95	189957	55.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.74%	
Target Compounds						
					Qvalue	
16) Acetone	3.96	43	7515	12.774	ug/l	96
39) Methylcyclohexane	9.19	83	6365	1.353	ug/l	88
52) Toluene	10.24	92	69055	10.044	ug/l	98
67) Ethyl Benzene	11.59	91	92524	6.694	ug/l	98
68) m/p-Xylenes	11.70	106	161847	30.134	ug/l	98
69) o-Xylene	12.03	106	76278	15.067	ug/l	99
73) Isopropylbenzene	12.33	105	71167	5.125	ug/l	99
78) n-propylbenzene	12.67	91	137522	8.536	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	171946	14.852	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	599037	51.422	ug/l	99
85) sec-Butylbenzene	13.25	105	15145m	1.074	ug/l	
89) n-Butylbenzene	13.69	91	19822	1.657	ug/l #	69
95) Naphthalene	15.23	128	133318	14.291	ug/l	99

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

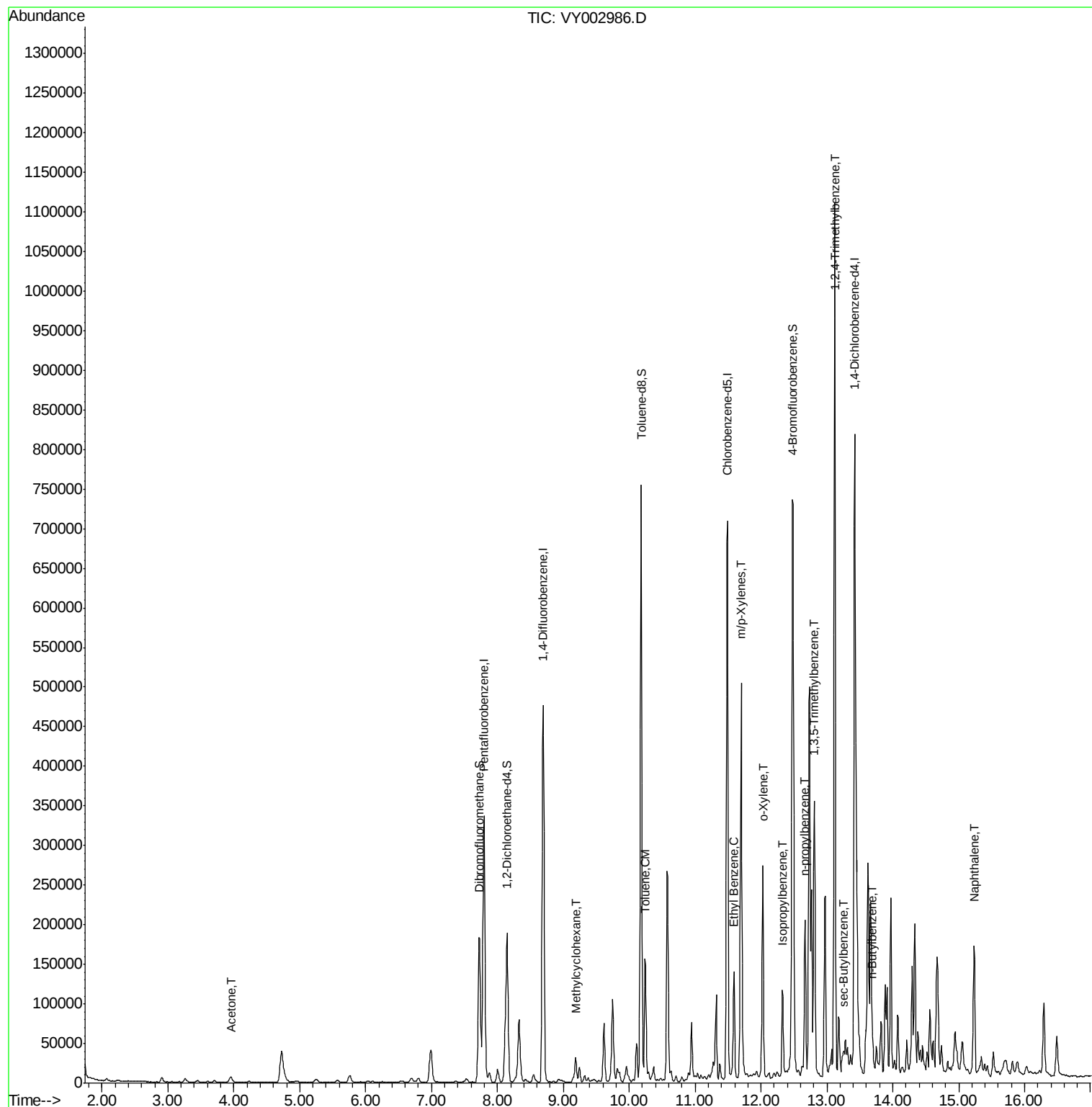
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY062220\
Data File : VY002986.D
Acq On : 22 Jun 2020 20:08
Operator : SY/MD
Sample : L3082-05
Misc : 5.08G/5ML/MSVOA Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

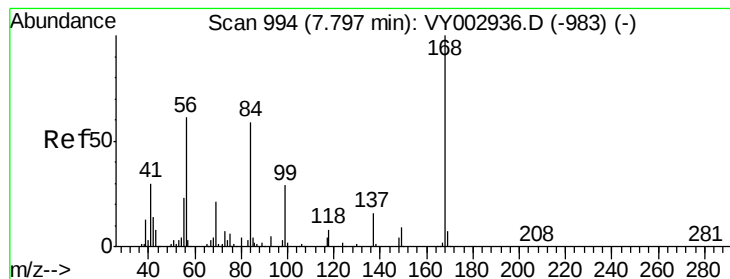
Instrument :
MSVOA_Y
ClientSampleId :
SB-5

Manual Integrations
APPROVED

MMDadoda
6/23/2020 8:13:35 PM

Quant Time: Jun 23 09:47:12 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 20 06:39:15 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY002986.D

Acq: 22 Jun 2020 20:08

Instrument :

MSVOA_Y

ClientSampled :

SB-5

Tot Ion:168 Resp: 287568

Ion Ratio Lower Upper

168 100

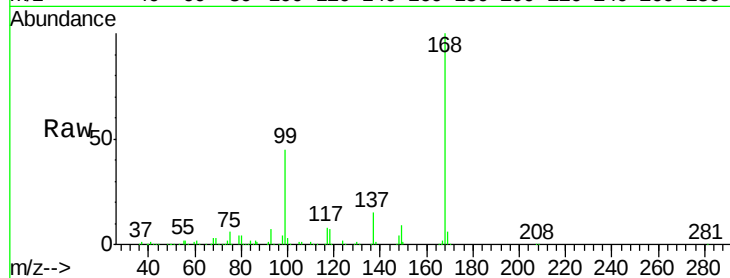
99 45.5 39.5 59.3

Manual Integrations

APPROVED

MMDadoda

6/23/2020 8:13:35 PM



Abundance Ion 167.90 (167.60 to 168.60): VY002986.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002986.D (-945) (-)

7.80

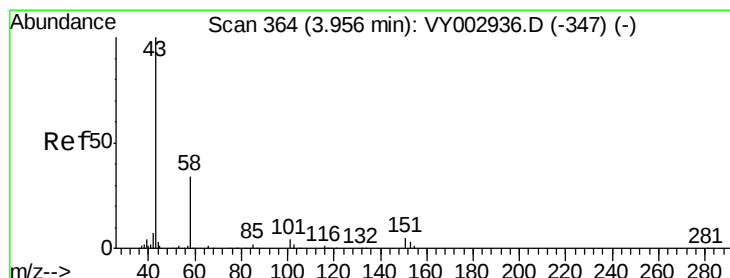
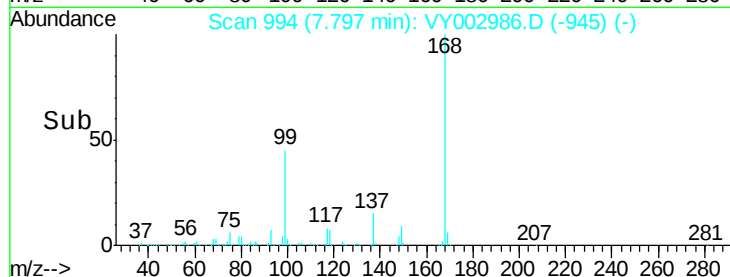
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 12.774 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY002986.D

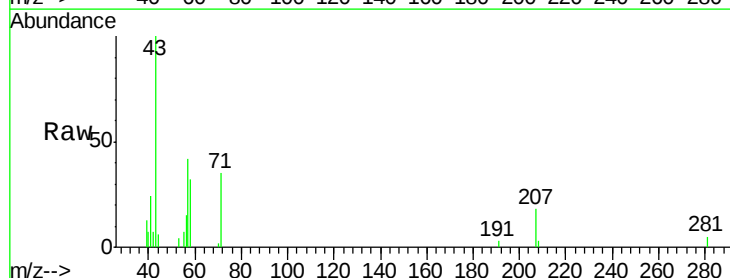
Acq: 22 Jun 2020 20:08

Tgt Ion: 43 Resp: 7515

Ion Ratio Lower Upper

43 100

58 31.8 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY002986.D (-315) (-)

Ion 58.00 (57.70 to 58.70): VY002986.D (-315) (-)

3.96

2500

2000

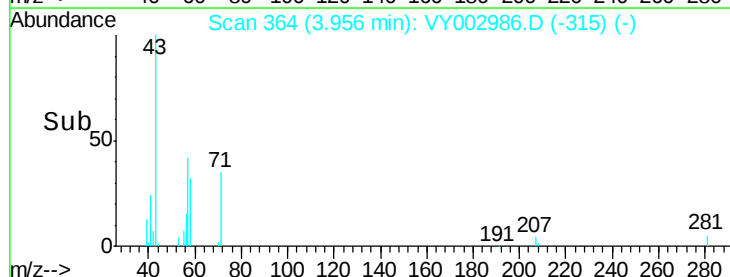
1500

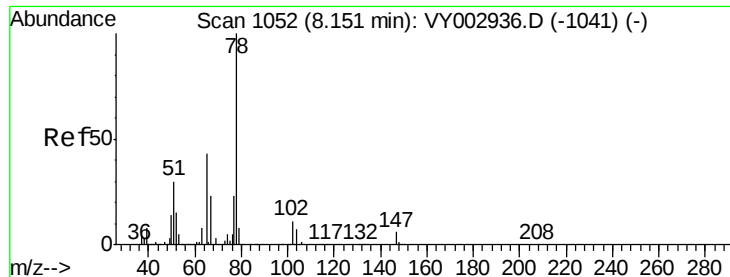
1000

500

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 55.782 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY002986.D

Acq: 22 Jun 2020 20:08

Instrument :

MSVOA_Y

ClientSampleId :

SB-5

Tot Ion: 65 Resp: 132497

Ion Ratio Lower Upper

65 100

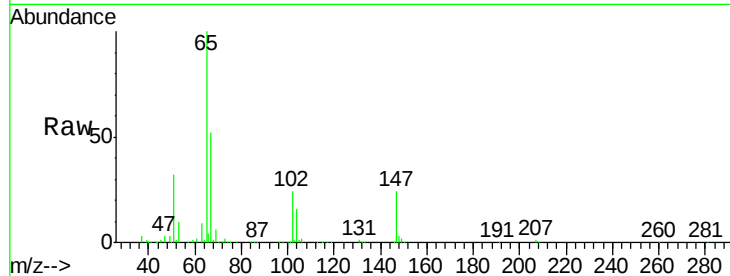
67 52.9 0.0 109.4

Manual Integrations

APPROVED

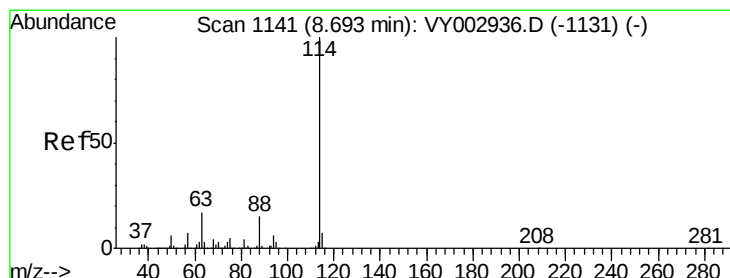
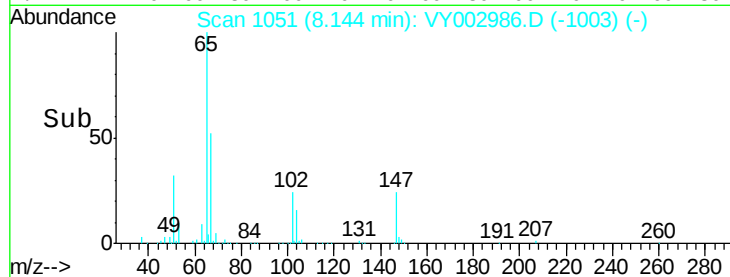
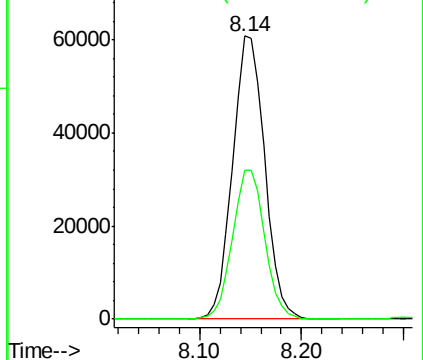
MMDadoda

6/23/2020 8:13:35 PM



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY002986.D

Acq: 22 Jun 2020 20:08

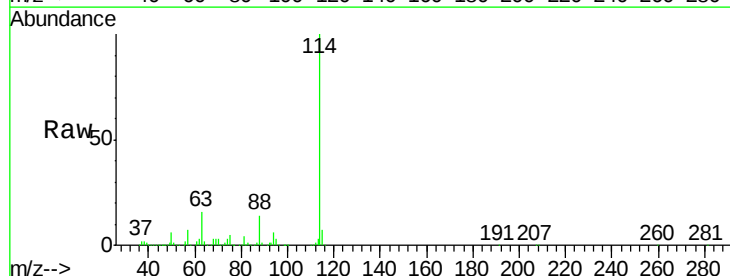
Tgt Ion: 114 Resp: 439346

Ion Ratio Lower Upper

114 100

63 16.1 0.0 34.6

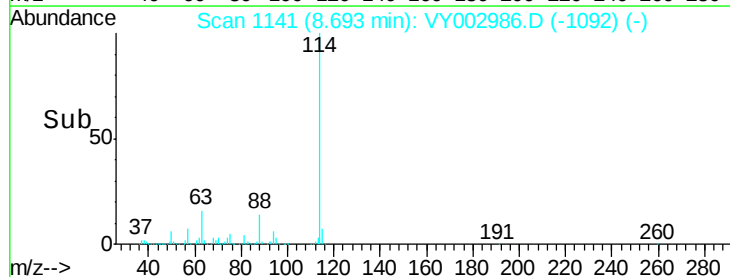
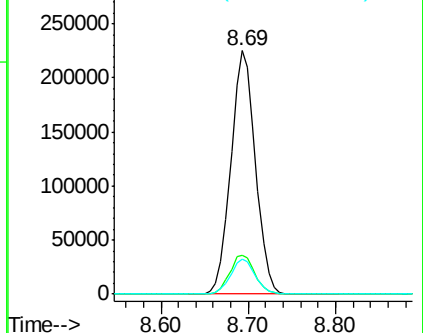
88 14.3 0.0 29.2

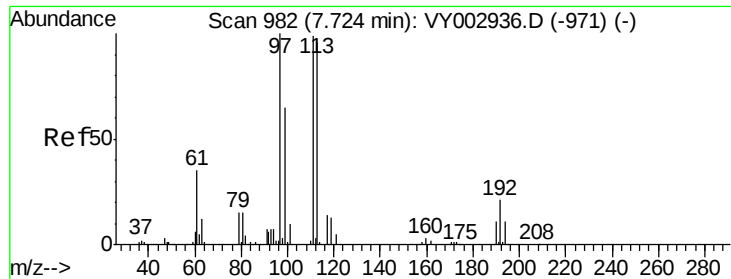


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





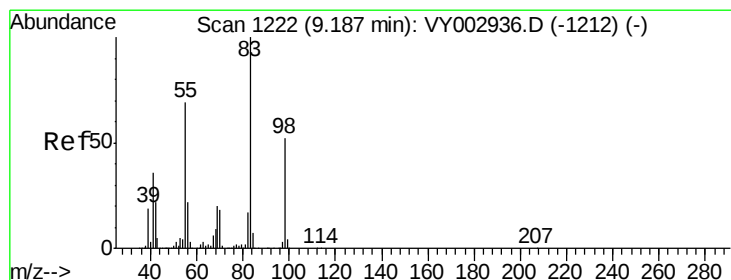
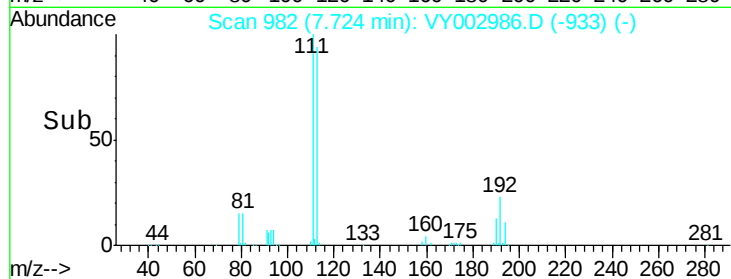
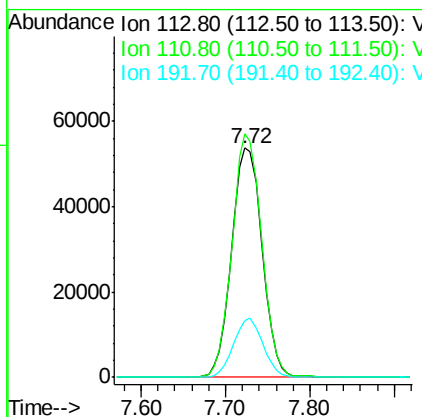
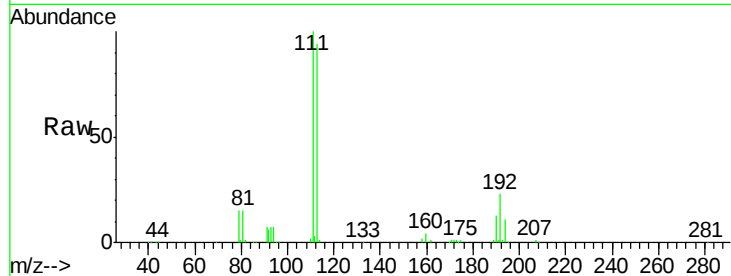
#35
Dibromofluoromethane
Concen: 53.149 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.00 min
Lab File: VY002986.D
Acq: 22 Jun 2020 20:08

Instrument :
MSVOA_Y
ClientSampled :
SB-5

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.3	81.5	122.3	
192	24.7	19.2	28.8	

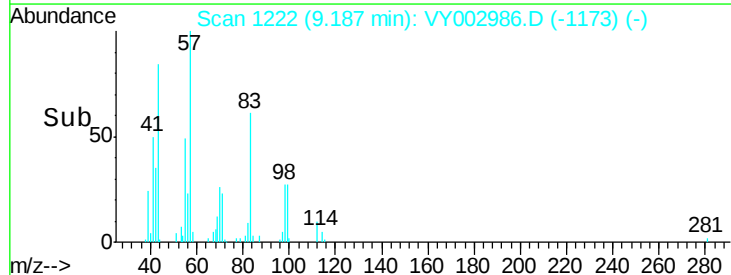
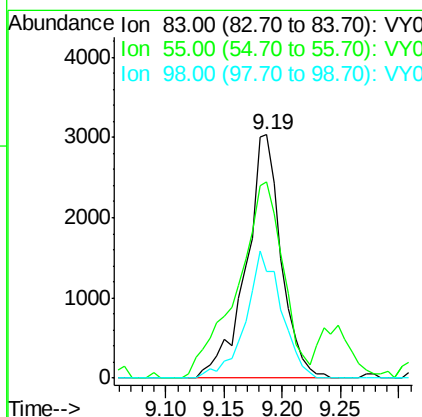
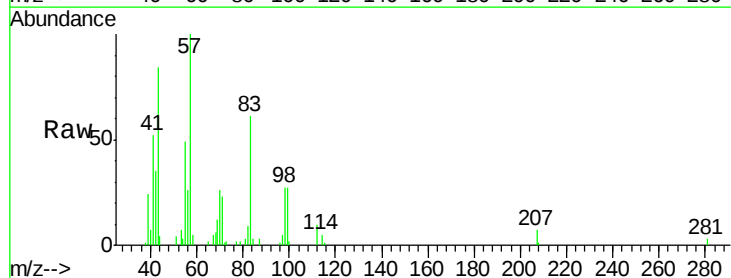
Manual Integrations
APPROVED

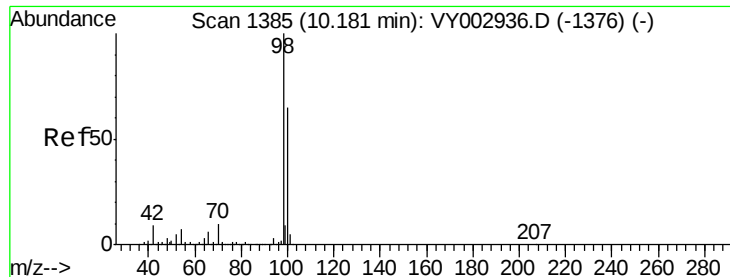
MMDadoda
6/23/2020 8:13:35 PM



#39
Methylcyclohexane
Concen: 1.353 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY002986.D
Acq: 22 Jun 2020 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.8	55.0	82.4	
98	43.9	41.4	62.2	





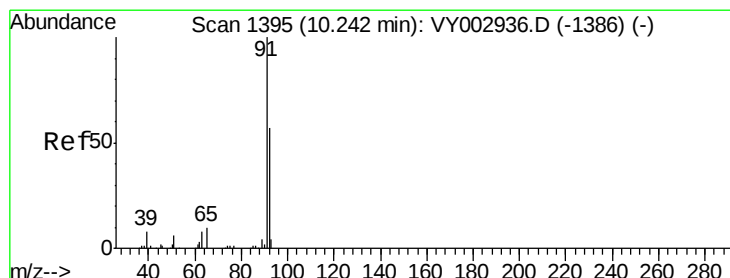
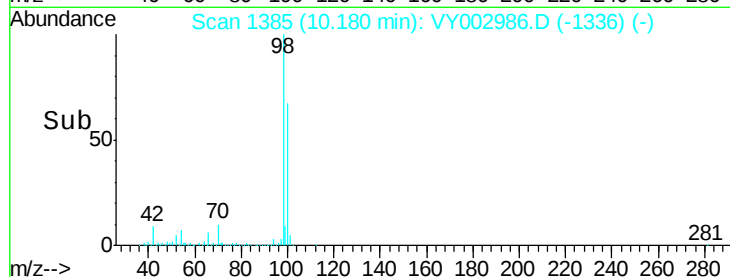
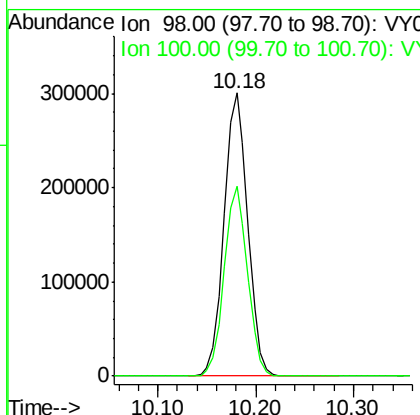
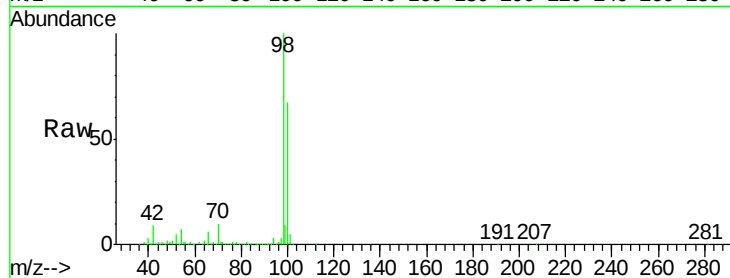
#50
Toluene-d8
Concen: 51.312 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY002986.D
Acq: 22 Jun 2020 20:08

Instrument :
MSVOA_Y
ClientSampleId :
SB-5

Tot Ion	Ratio	Lower	Upper
98	100		
100	66.2	51.9	77.9

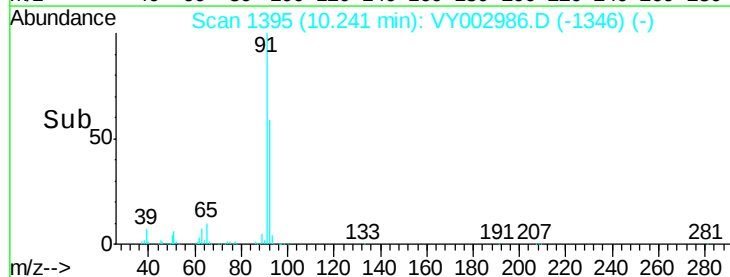
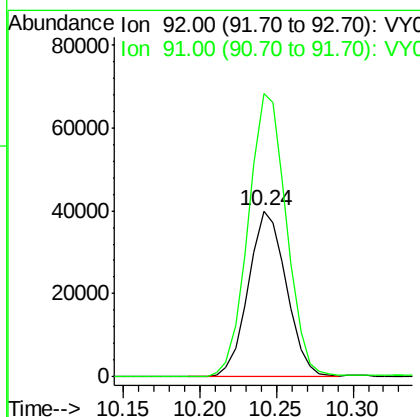
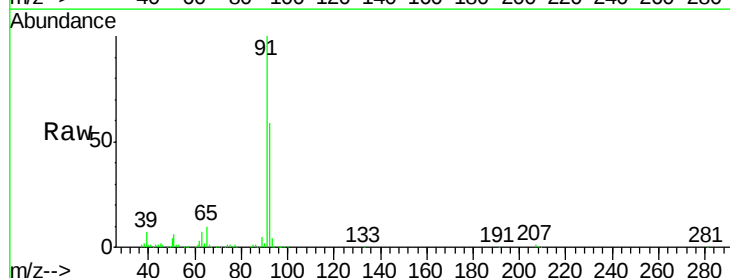
Manual Integrations
APPROVED

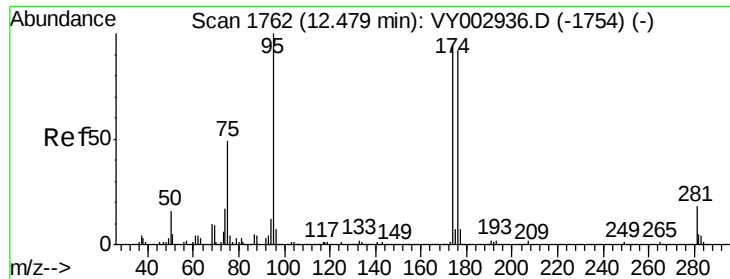
MMDadoda
6/23/2020 8:13:35 PM



#52
Toluene
Concen: 10.044 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VY002986.D
Acq: 22 Jun 2020 20:08

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.3	139.3	208.9





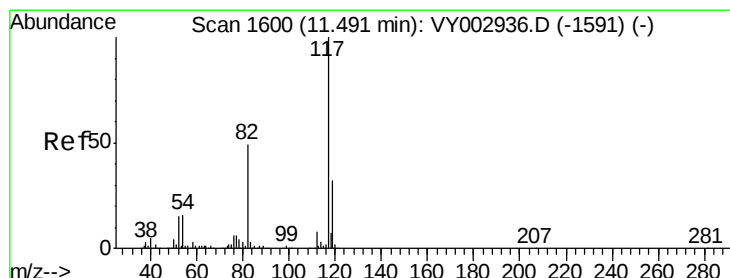
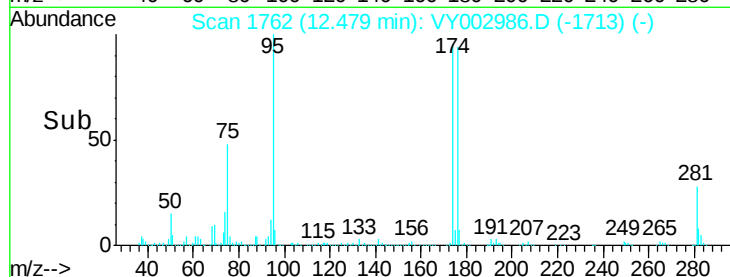
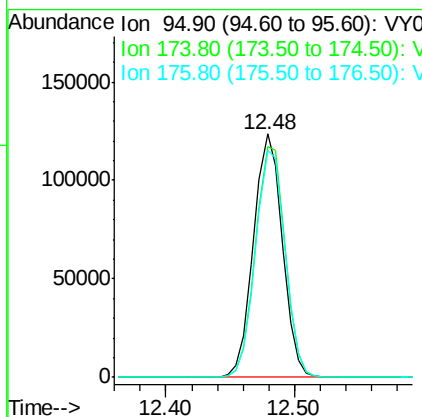
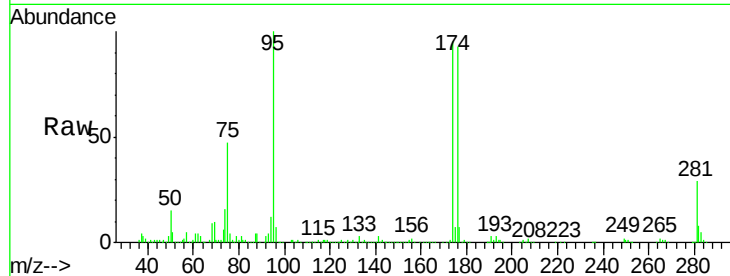
#62
4-Bromofluorobenzene
Concen: 55.869 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY002986.D
Acq: 22 Jun 2020 20:08

Instrument :
MSVOA_Y
ClientSampled :
SB-5

Tot Ion	Ratio	Resp	Lower	Upper
95	100	189957		
174	98.0	0.0	191.2	
176	95.8	0.0	186.0	

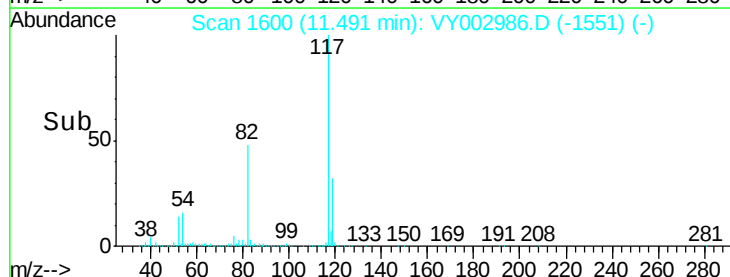
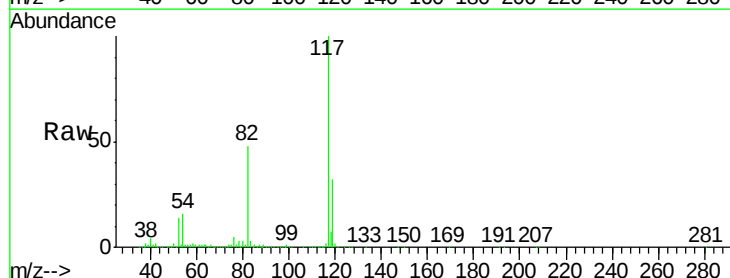
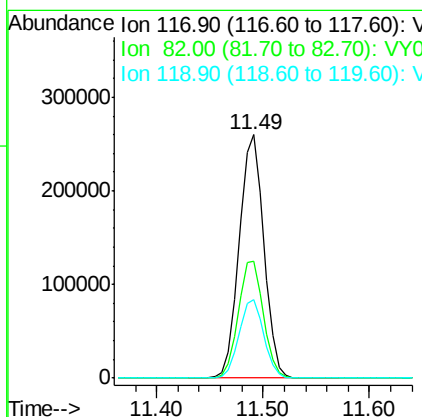
Manual Integrations
APPROVED

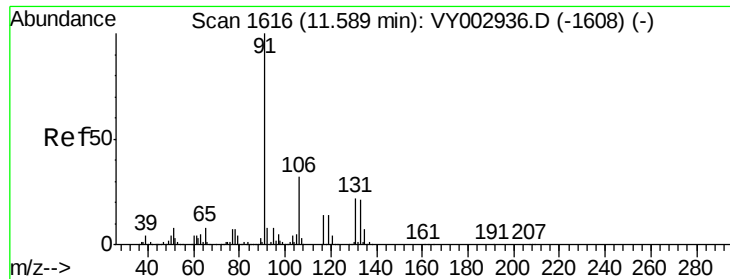
MMDadoda
6/23/2020 8:13:35 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002986.D
Acq: 22 Jun 2020 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	423315		
82	48.0	39.4	59.0	
119	31.9	25.4	38.0	





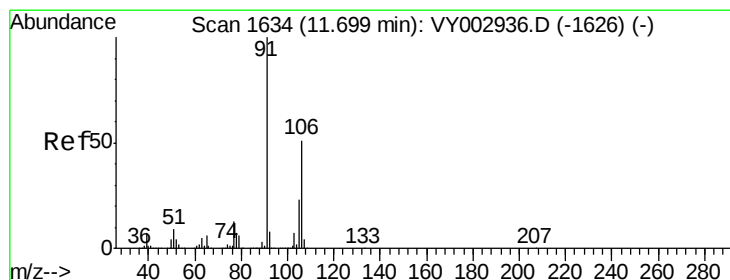
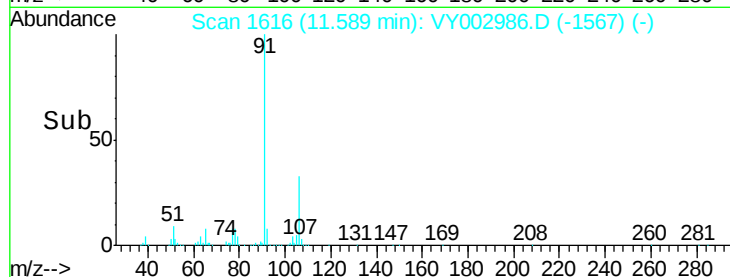
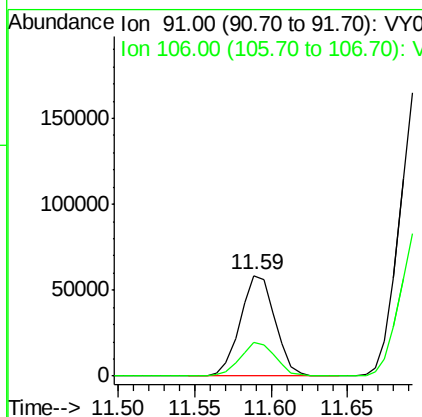
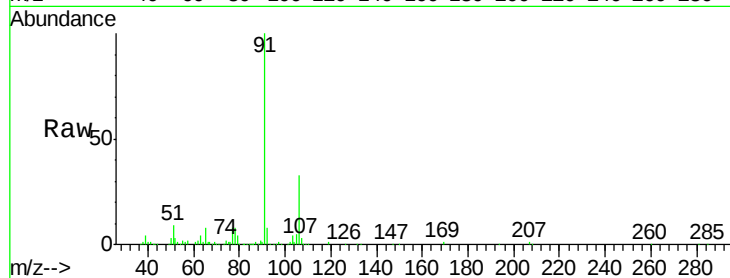
#67
Ethyl Benzene
Concen: 6.694 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY002986.D
Acq: 22 Jun 2020 20:08

Instrument :
MSVOA_Y
ClientSampleId :
SB-5

Tot Ion	91	Resp	92524
Ion Ratio	Lower	Upper	
91	100		
106	33.2	25.8	38.8

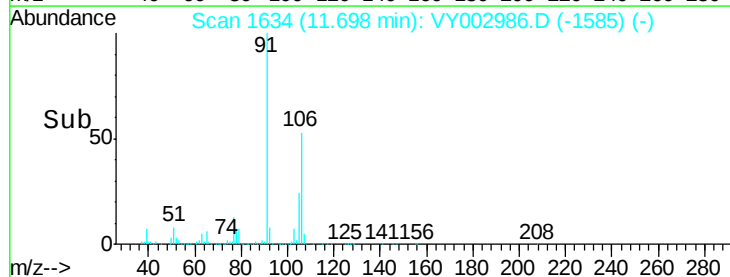
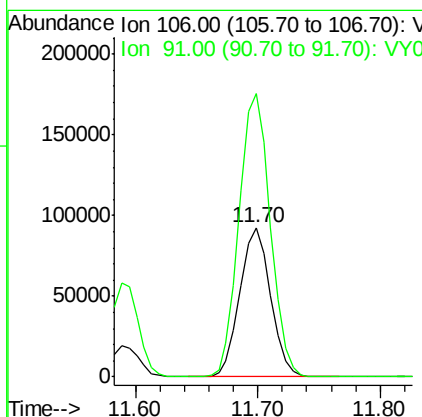
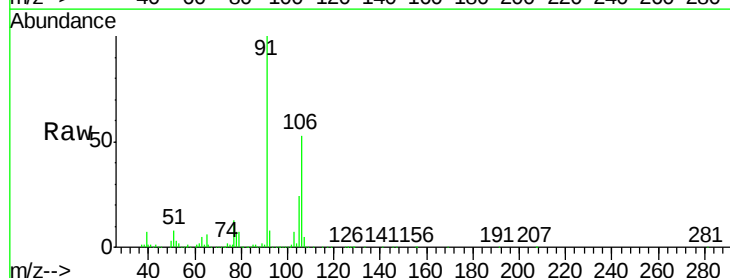
Manual Integrations
APPROVED

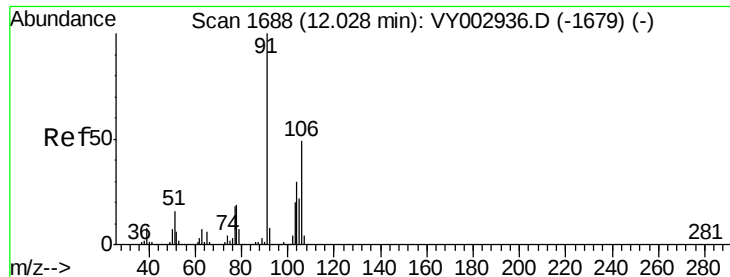
MMDadoda
6/23/2020 8:13:35 PM



#68
m/p-Xylenes
Concen: 30.134 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY002986.D
Acq: 22 Jun 2020 20:08

Tgt Ion	106	Resp	161847
Ion Ratio	Lower	Upper	
106	100		
91	191.7	155.9	233.9





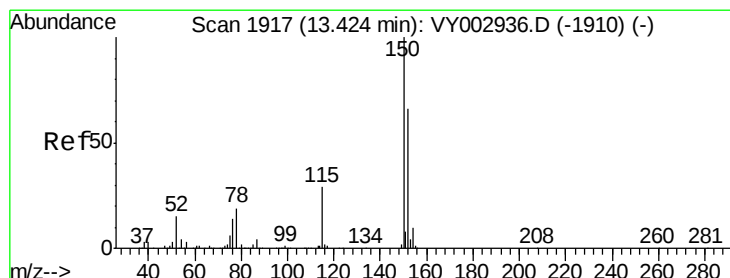
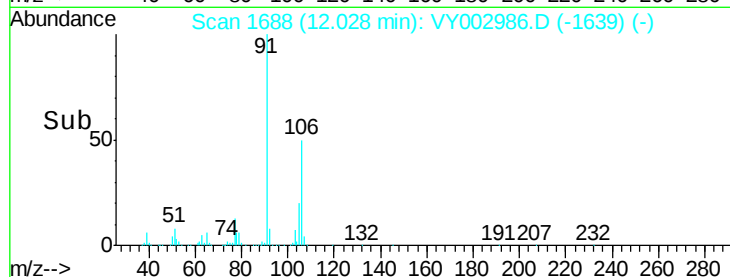
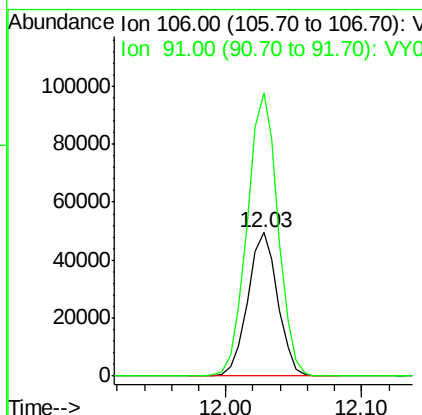
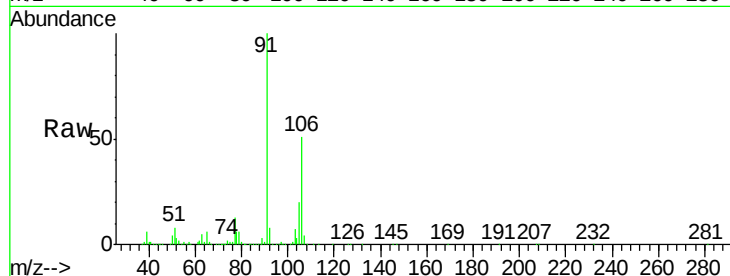
#69
o-Xylene
Concen: 15.067 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY002986.D
Acq: 22 Jun 2020 20:08

Instrument :
MSVOA_Y
ClientSampled :
SB-5

Tot Ion:106 Resp: 76278
Ion Ratio Lower Upper
106 100
91 202.1 102.1 306.1

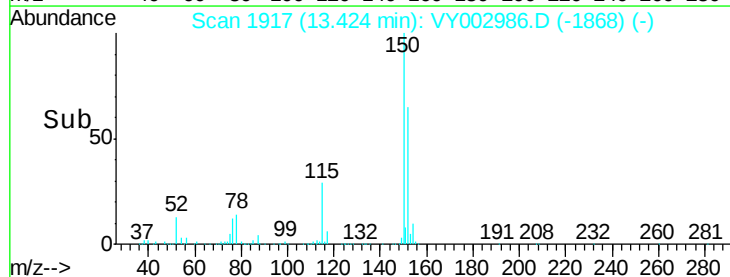
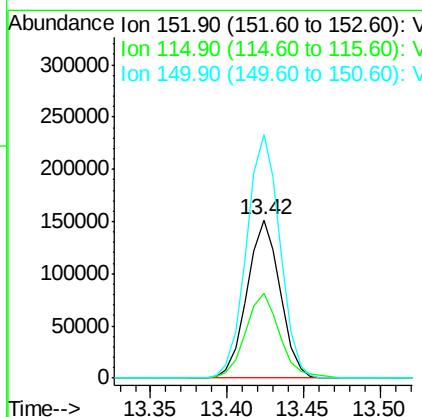
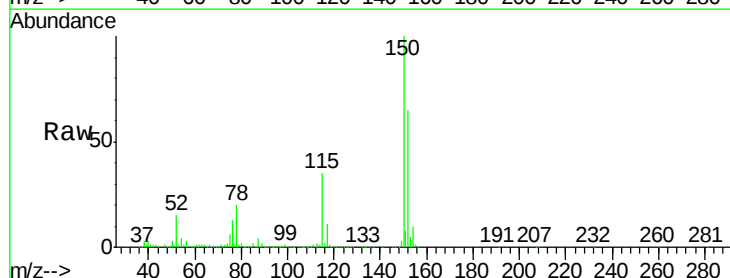
Manual Integrations
APPROVED

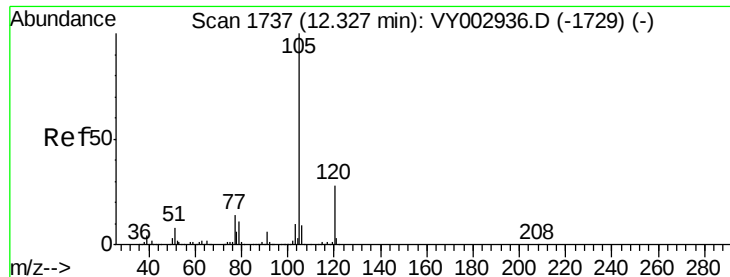
MMDadoda
6/23/2020 8:13:35 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY002986.D
Acq: 22 Jun 2020 20:08

Tgt Ion:152 Resp: 226590
Ion Ratio Lower Upper
152 100
115 56.0 26.9 80.6
150 156.3 0.0 341.8





#73

Isopropylbenzene

Concen: 5.125 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY002986.D

Acq: 22 Jun 2020 20:08

Instrument :

MSVOA_Y

ClientSampled :

SB-5

Tot Ion: 105 Resp: 71167

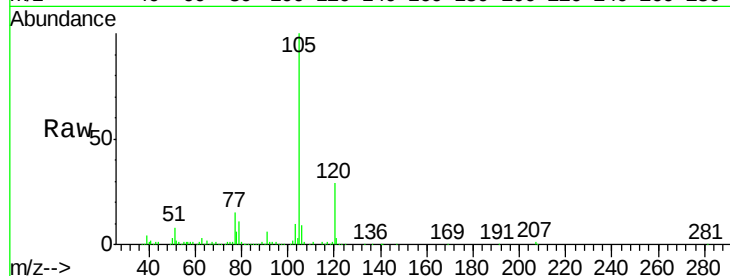
Ion Ratio Lower Upper

105 100

120 28.3 14.0 41.9

Manual Integrations
APPROVED

MMDadoda
6/23/2020 8:13:35 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

50000

40000

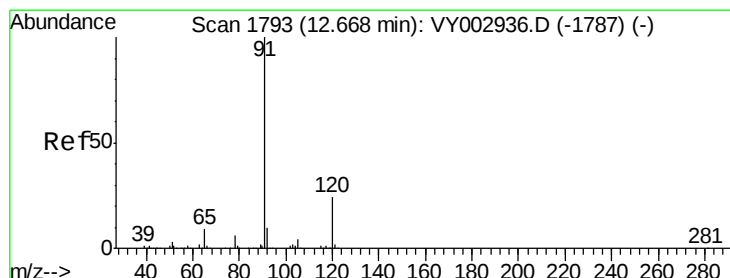
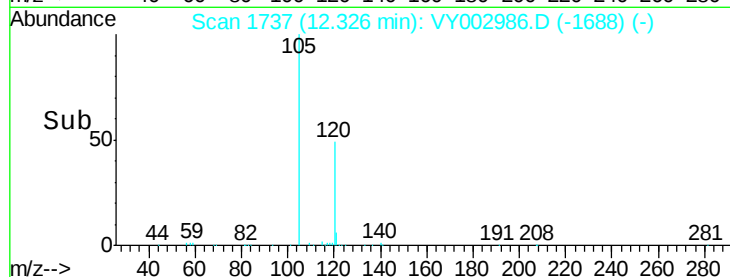
30000

20000

10000

0

Time-->



#78

n-propylbenzene

Concen: 8.536 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY002986.D

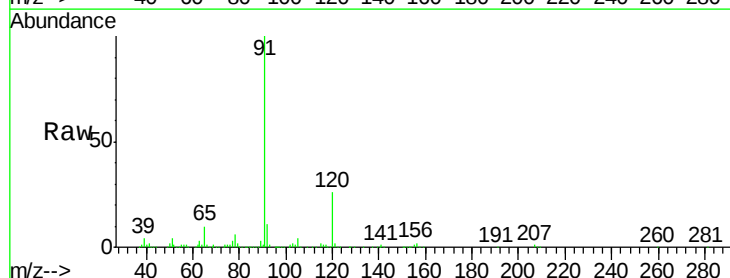
Acq: 22 Jun 2020 20:08

Tgt Ion: 91 Resp: 137522

Ion Ratio Lower Upper

91 100

120 25.9 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

12.67

100000

80000

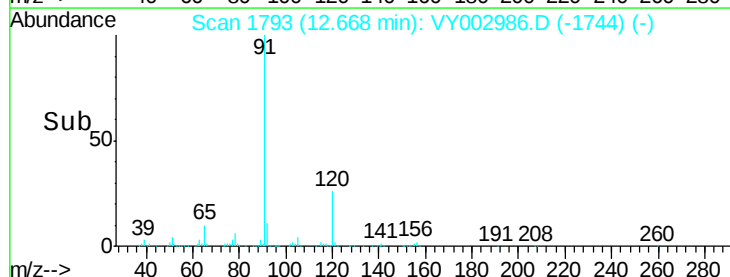
60000

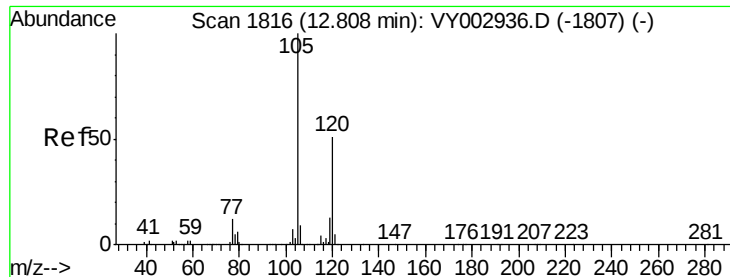
40000

20000

0

Time-->





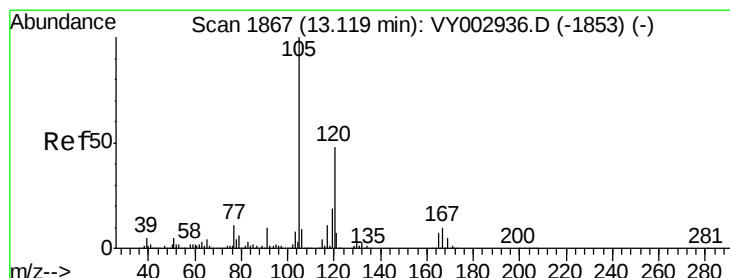
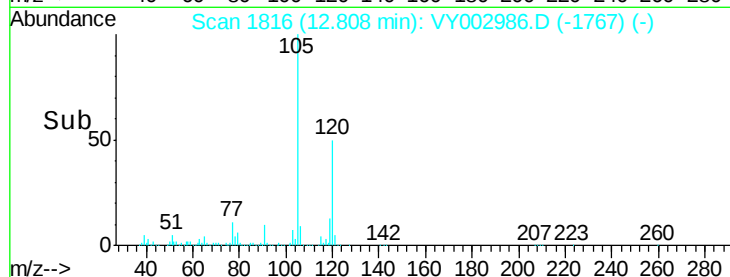
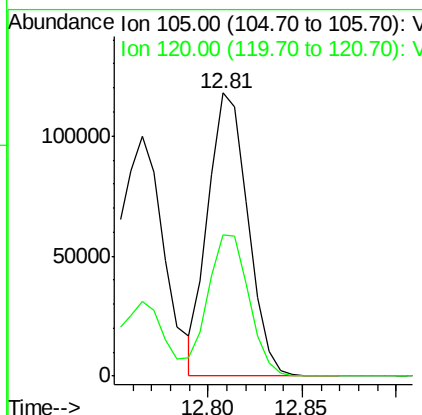
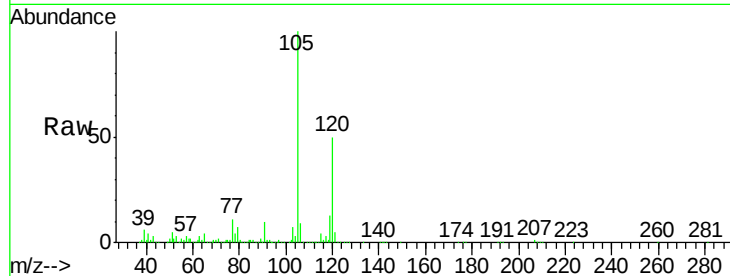
#80
 1,3,5-Trimethylbenzene
 Concen: 14.852 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: VY002986.D
 Acq: 22 Jun 2020 20:08

Instrument :
 MSVOA_Y
 ClientSampled :
 SB-5

Tot Ion:105 Resp: 171946
 Ion Ratio Lower Upper
 105 100
 120 52.9 25.6 76.6

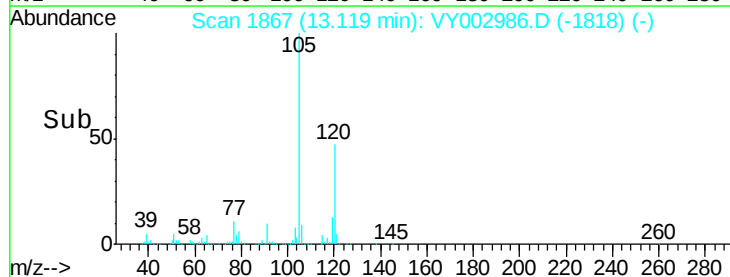
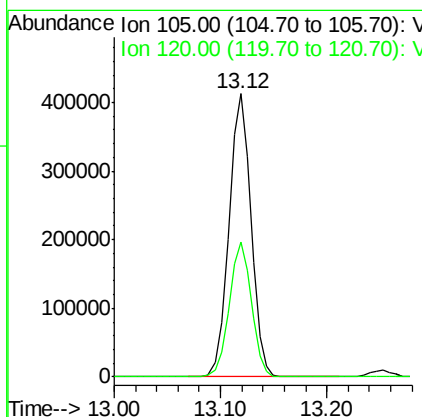
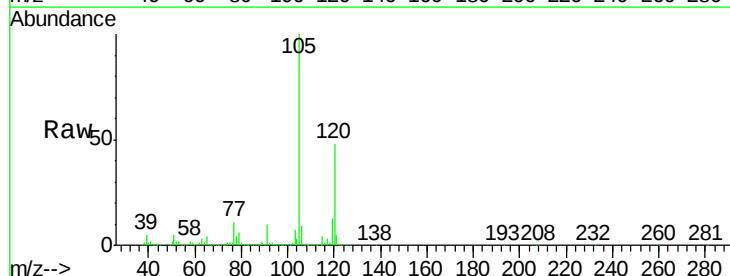
Manual Integrations
 APPROVED

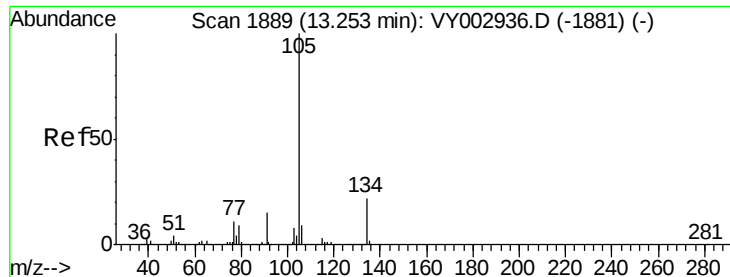
MMDadoda
 6/23/2020 8:13:35 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.422 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY002986.D
 Acq: 22 Jun 2020 20:08

Tgt Ion:105 Resp: 599037
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.5 70.5





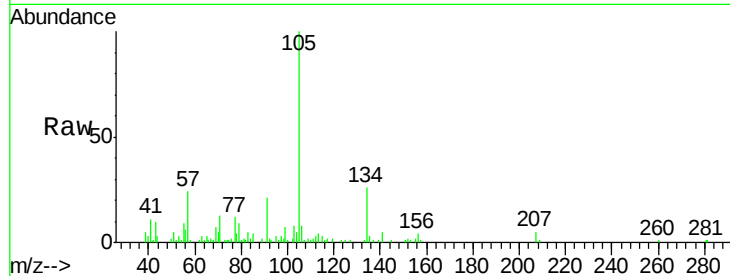
#85
sec-Butylbenzene
Concen: 1.074 ug/l m
RT: 13.25 min Scan# 1889
Delta R.T. -0.00 min
Lab File: VY002986.D
Acq: 22 Jun 2020 20:08

Instrument :
MSVOA_Y
ClientSampled :
SB-5

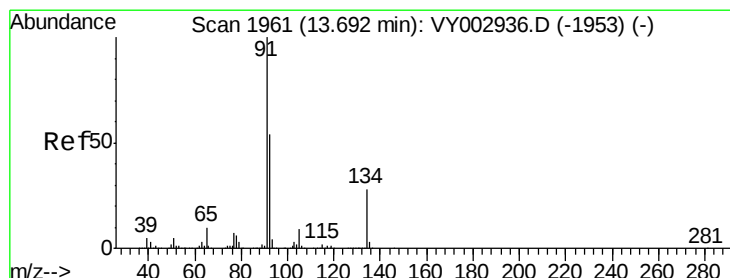
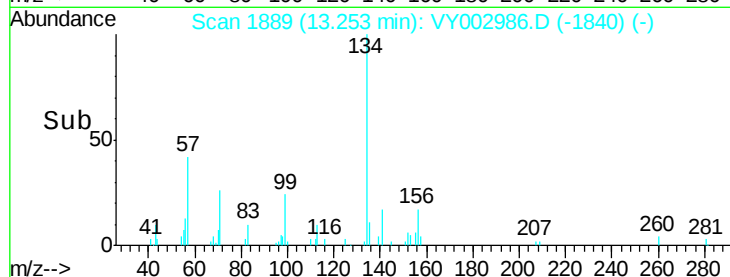
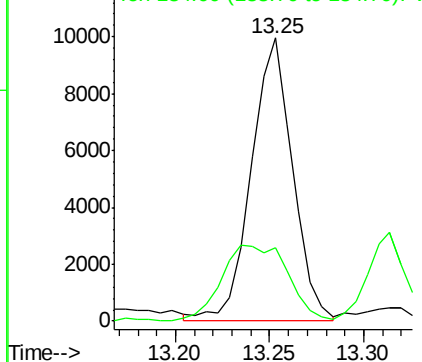
Tot Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.8	32.4#

Manual Integrations
APPROVED

MMDadoda
6/23/2020 8:13:35 PM

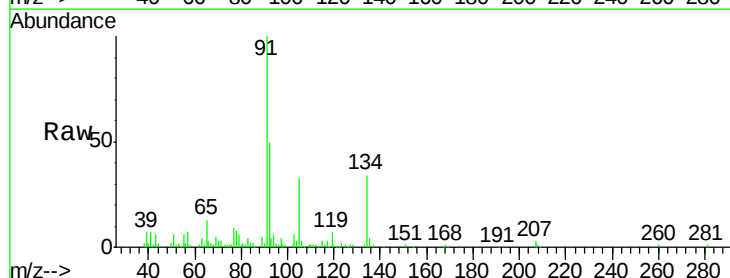


Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V

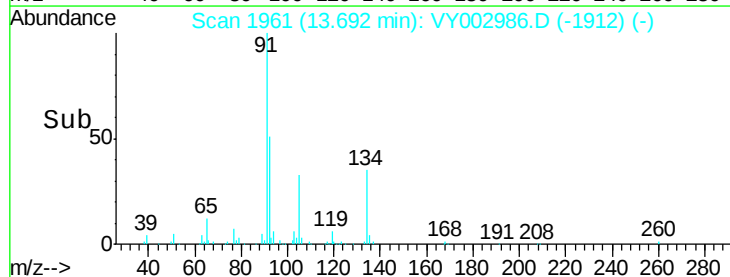
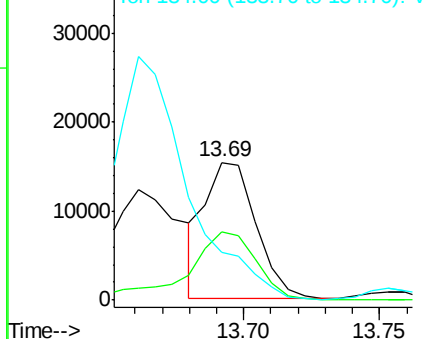


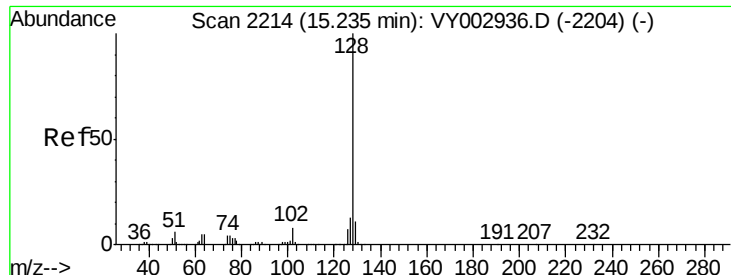
#89
n-Butylbenzene
Concen: 1.657 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY002986.D
Acq: 22 Jun 2020 20:08

Tgt Ion	Ratio	Lower	Upper
91	100		
92	67.5	27.0	80.8
134	0.0	14.5	43.5#



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: 14.291 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY002986.D
Acq: 22 Jun 2020 20:08

Instrument :
MSVOA_Y
ClientSampleId :
SB-5

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	13.2	10.2	15.4
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/23/2020 8:13:35 PM

