

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041420\
 Data File : VY002309.D
 Acq On : 14 Apr 2020 15:26
 Operator : SY/MD
 Sample : L2122-06
 Misc : 7.28G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-04-041020

Manual Integrations
 APPROVED

MMDadoda
 4/15/2020 9:38:29 AM

Quant Time: Apr 15 06:26:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	135209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	274704	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	235634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	80031	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	79500	52.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.74%	
35) Dibromofluoromethane	7.72	113	80893	49.49	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	98.98%	
50) Toluene-d8	10.18	98	322629	47.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.32%	
62) 4-Bromofluorobenzene	12.48	95	93203	41.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.58%	
Target Compounds						
69) o-Xylene	12.03	106	6849	2.172	ug/l	95
80) 1,3,5-Trimethylbenzene	12.81	105	118381	22.767	ug/l	100
85) sec-Butylbenzene	13.25	105	7978m	1.230	ug/l	
86) p-Isopropyltoluene	13.37	119	30945	5.541	ug/l	100

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

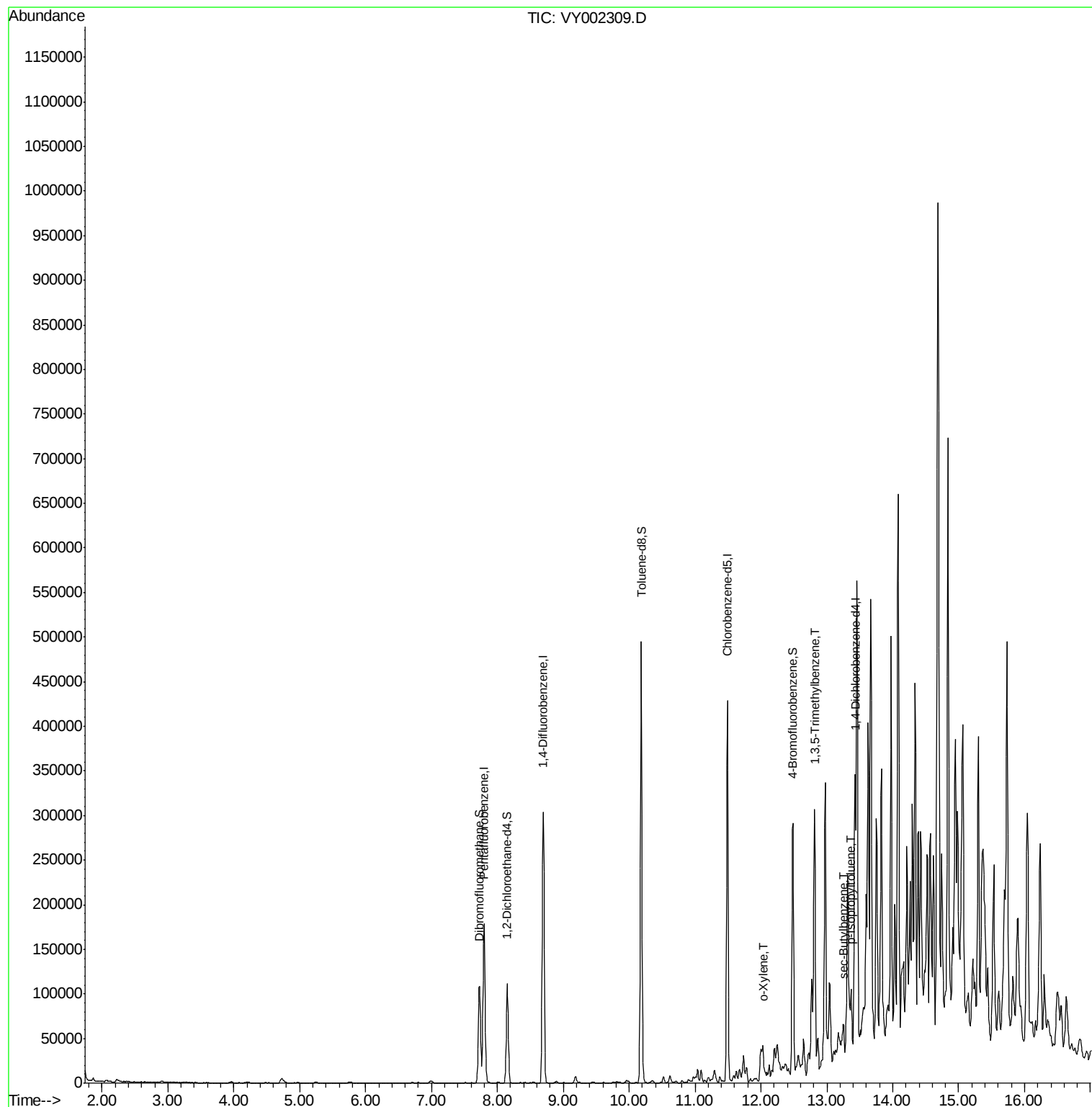
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY041420\
Data File : VY002309.D
Acq On : 14 Apr 2020 15:26
Operator : SY/MD
Sample : L2122-06
Misc : 7.28G/5ML/MSVOA Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

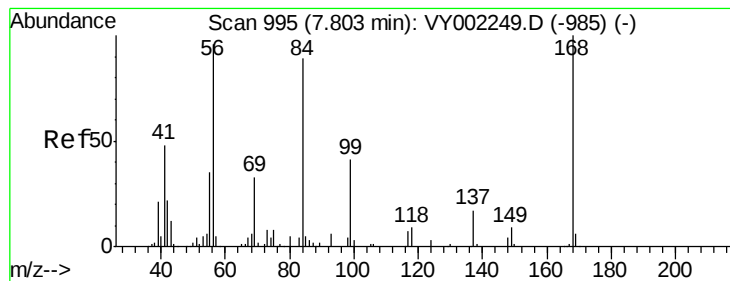
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-041020

Manual Integrations
APPROVED

MMDadoda
4/15/2020 9:38:29 AM

Quant Time: Apr 15 06:26:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 08 15:15:02 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY002309.D

Acq: 14 Apr 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

SU-04-041020

Tot Ion:168 Resp: 135209

Ion Ratio Lower Upper

168 100

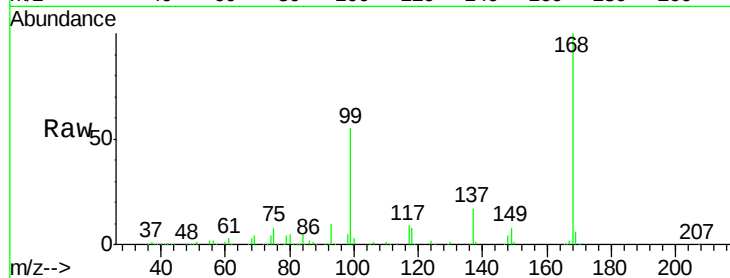
99 55.3 48.0 72.0

Manual Integrations

APPROVED

MMDadoda

4/15/2020 9:38:29 AM



Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)

7.80

60000

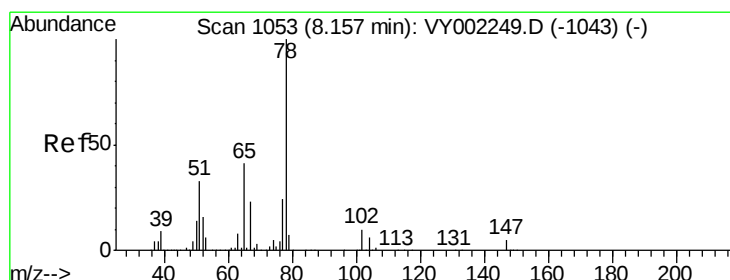
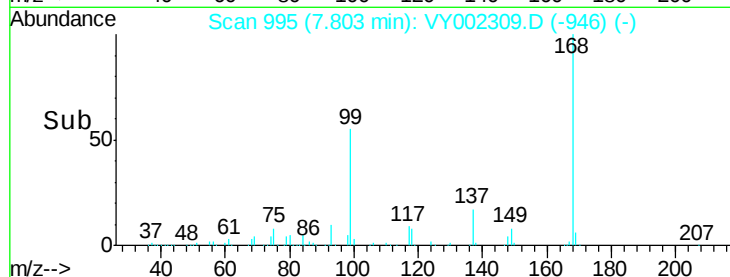
40000

20000

0

7.70 7.80 7.90

Time-->



#33

1,2-Dichloroethane-d4

Concen: 52.872 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002309.D

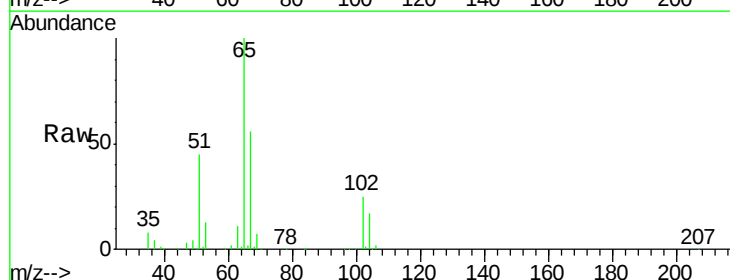
Acq: 14 Apr 2020 15:26

Tgt Ion: 65 Resp: 79500

Ion Ratio Lower Upper

65 100

67 55.8 0.0 114.0



Abundance Ion 64.90 (64.60 to 65.60): VY002249.D (-1043) (-)

Ion 66.90 (66.60 to 67.60): VY002249.D (-1043) (-)

8.15

40000

30000

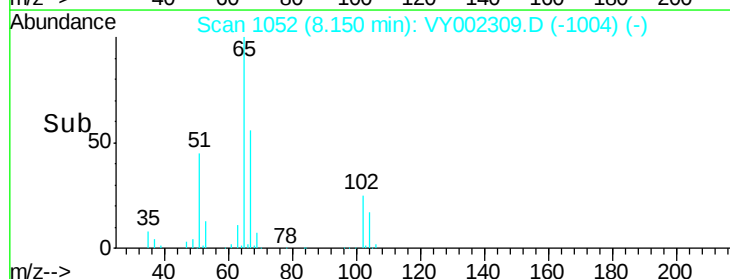
20000

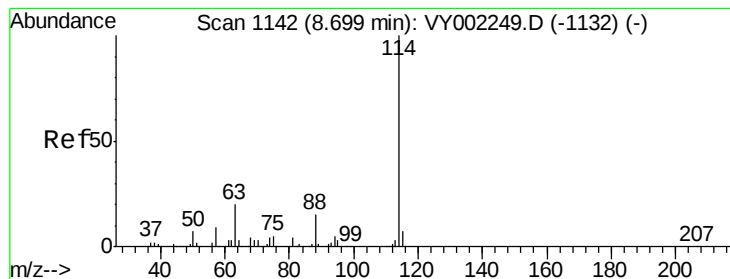
10000

0

8.10 8.20

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY002309.D

Acq: 14 Apr 2020 15:26

Instrument :

MSVOA_Y

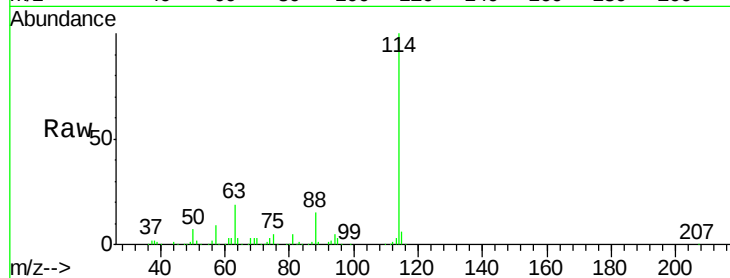
ClientSampleId :

SU-04-041020

Tot Ion:	114	Resp:	274704
Ion Ratio		Lower	Upper
114	100		
63	18.7	0.0	39.0
88	15.0	0.0	31.0

Manual Integrations
APPROVED

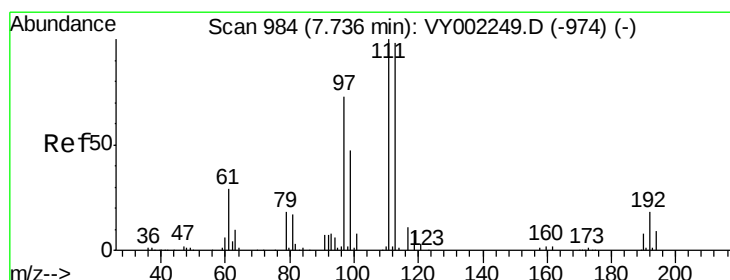
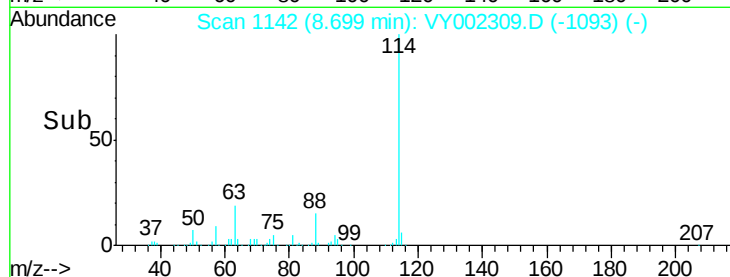
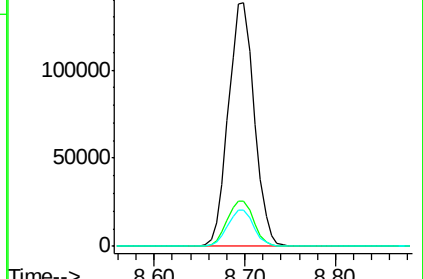
MMDadoda
4/15/2020 9:38:29 AM



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: 49.489 ug/l

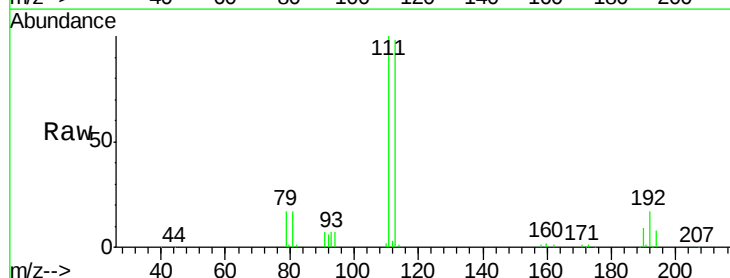
RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY002309.D

Acq: 14 Apr 2020 15:26

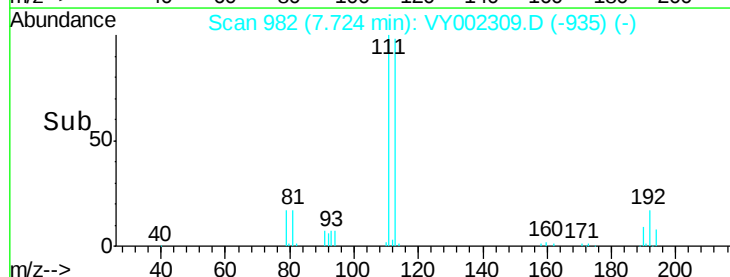
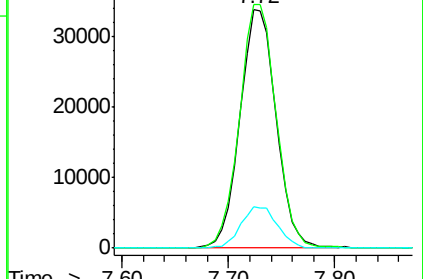
Tgt Ion:	113	Resp:	80893
Ion Ratio		Lower	Upper
113	100		
111	103.2	83.5	125.3
192	17.7	14.7	22.1

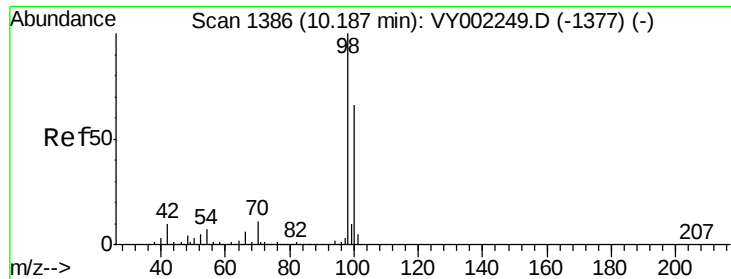


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





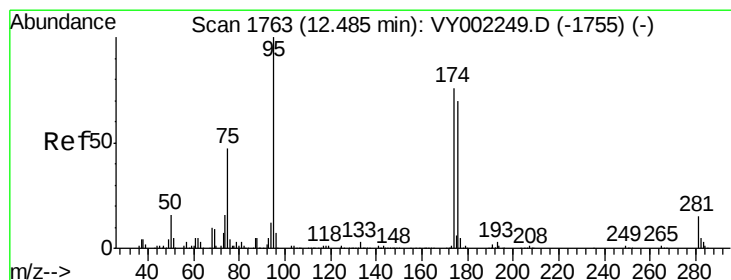
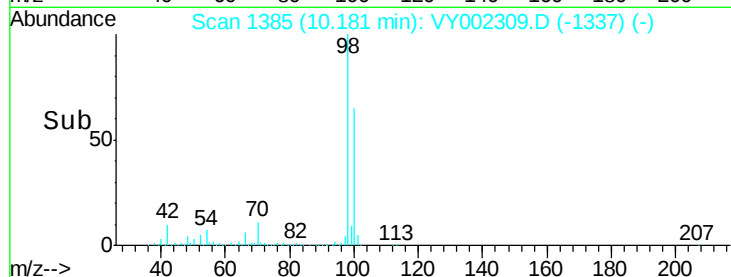
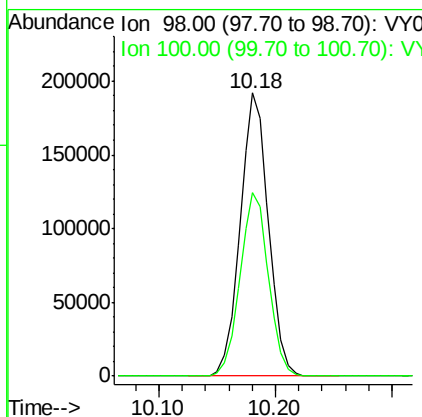
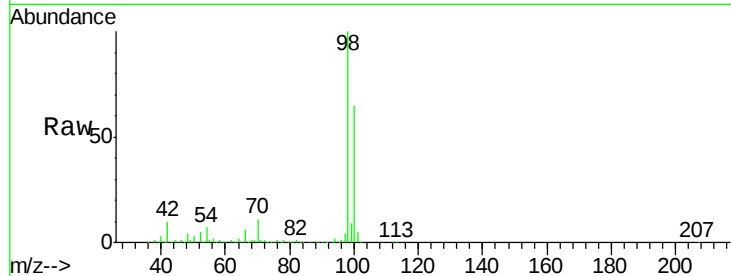
#50
Toluene-d8
Concen: 47.156 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY002309.D
Acq: 14 Apr 2020 15:26

Instrument :
MSVOA_Y
ClientSampleId :
SU-04-041020

Tot Ion: 98 Resp: 322629
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8

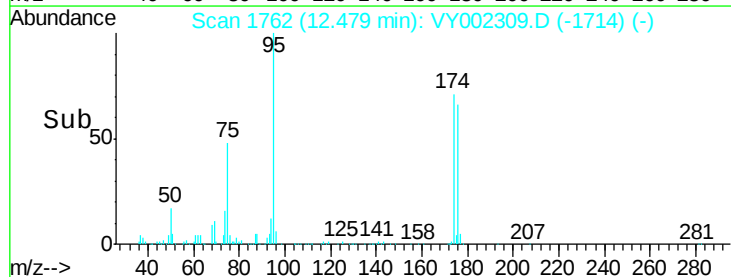
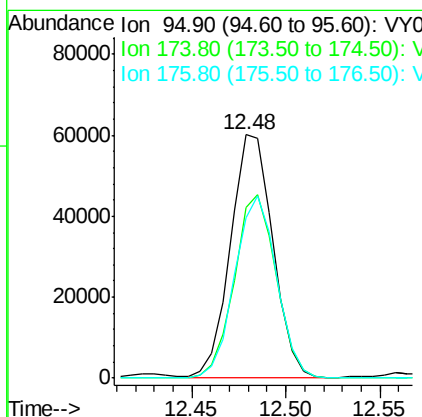
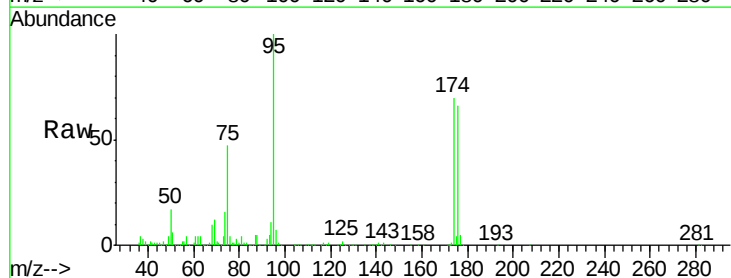
Manual Integrations
APPROVED

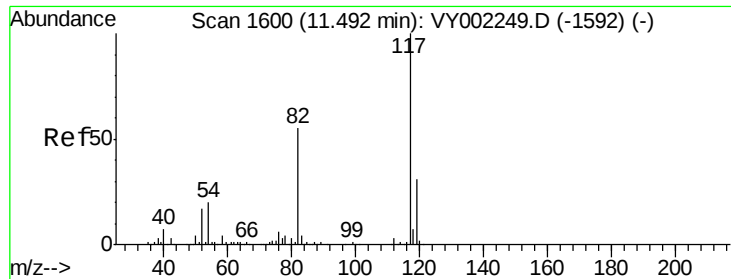
MMDadoda
4/15/2020 9:38:29 AM



#62
4-Bromofluorobenzene
Concen: 41.292 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY002309.D
Acq: 14 Apr 2020 15:26

Tgt Ion: 95 Resp: 93203
Ion Ratio Lower Upper
95 100
174 74.8 0.0 150.6
176 74.2 0.0 141.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY002309.D

Acq: 14 Apr 2020 15:26

Instrument :

MSVOA_Y

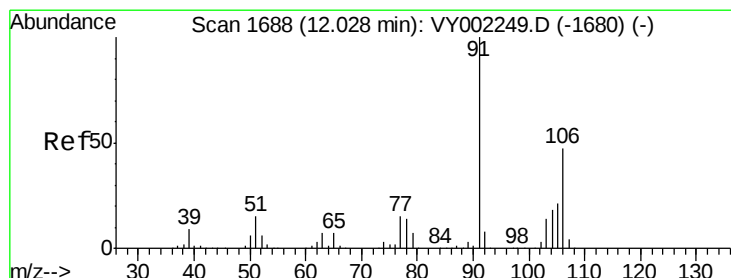
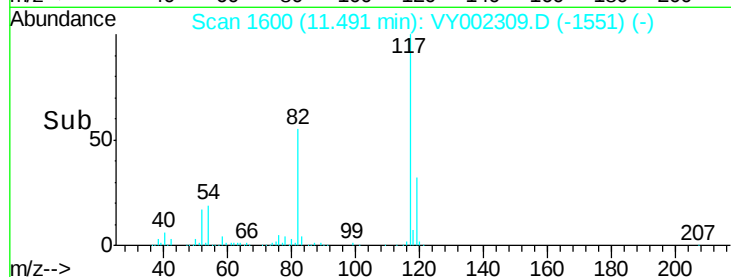
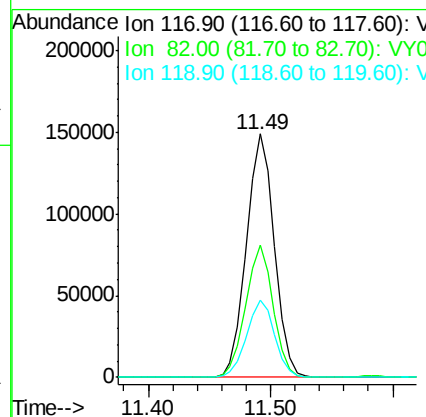
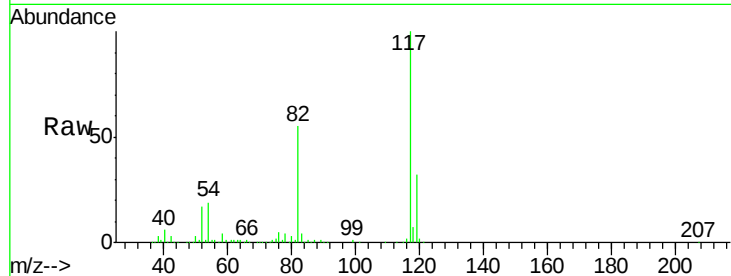
ClientSampleId :

SU-04-041020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	235634		
82	54.4		44.2	66.4
119	31.7		25.1	37.7

Manual Integrations
APPROVED

MMDadoda
4/15/2020 9:38:29 AM



#69

o-Xylene

Concen: 2.172 ug/l

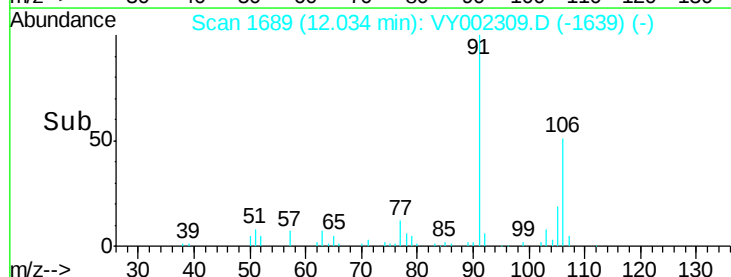
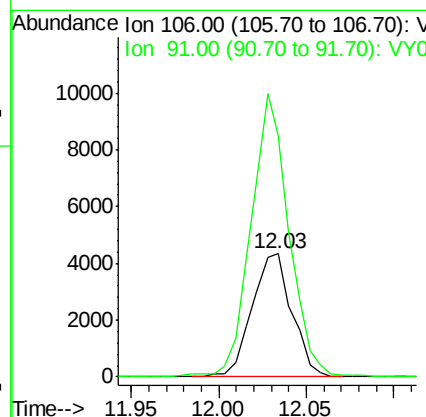
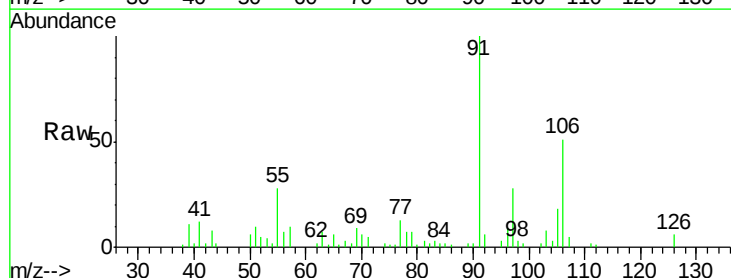
RT: 12.03 min Scan# 1689

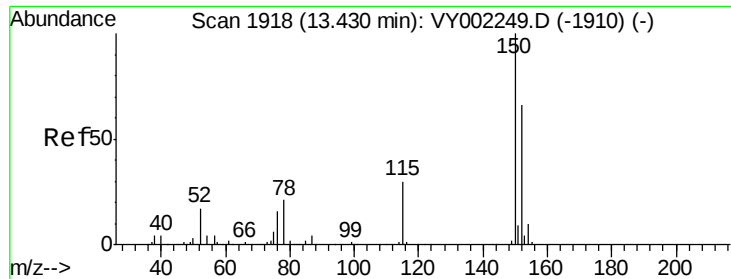
Delta R.T. 0.01 min

Lab File: VY002309.D

Acq: 14 Apr 2020 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	6849		
91	219.2		105.8	317.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY002309.D

Acq: 14 Apr 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

SU-04-041020

Tot Ion:152 Resp: 80031

Ion Ratio Lower Upper

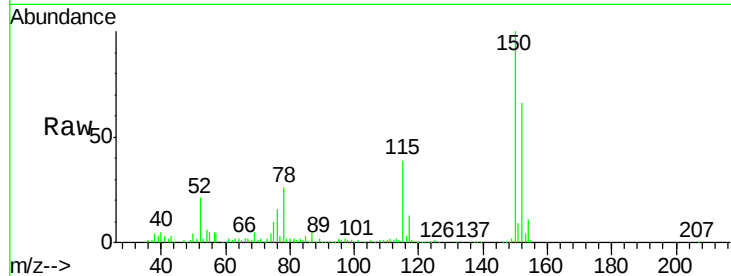
152 100

115 76.3 30.7 92.1

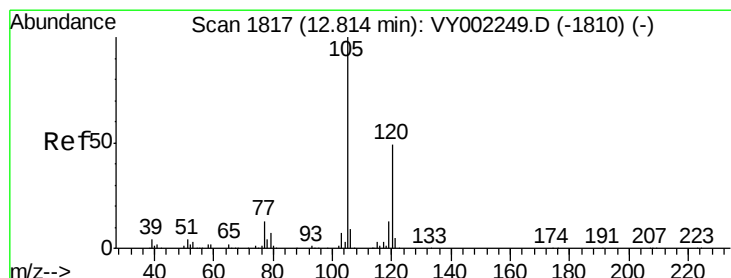
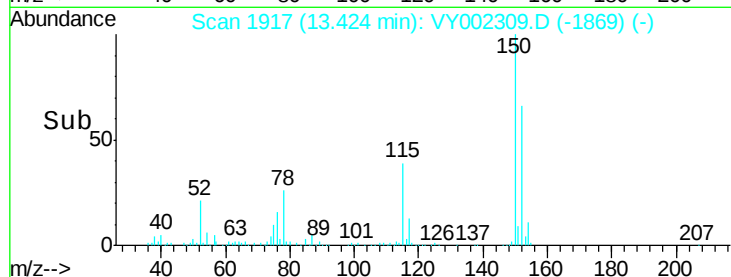
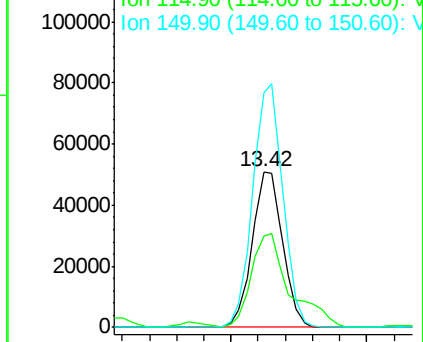
150 155.2 0.0 350.6

Manual Integrations
APPROVED

MMDadoda
4/15/2020 9:38:29 AM



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.767 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY002309.D

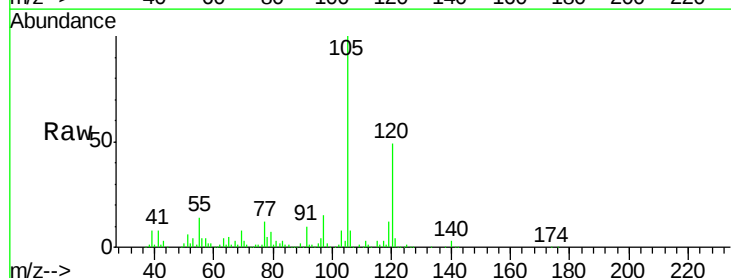
Acq: 14 Apr 2020 15:26

Tgt Ion:105 Resp: 118381

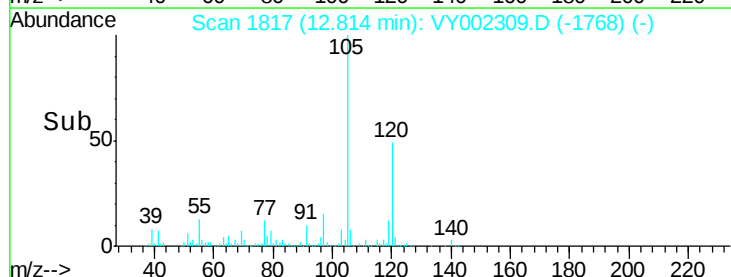
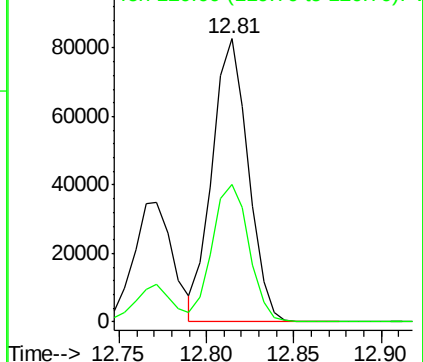
Ion Ratio Lower Upper

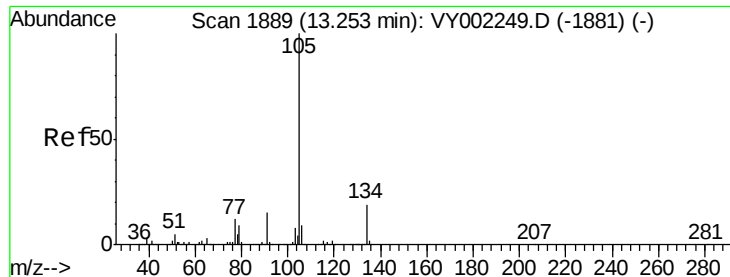
105 100

120 49.6 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.230 ug/l m

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY002309.D

Acq: 14 Apr 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

SU-04-041020

Tot Ion:105 Resp: 7978

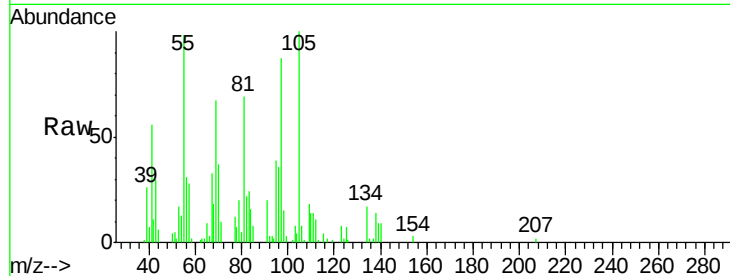
Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.3#

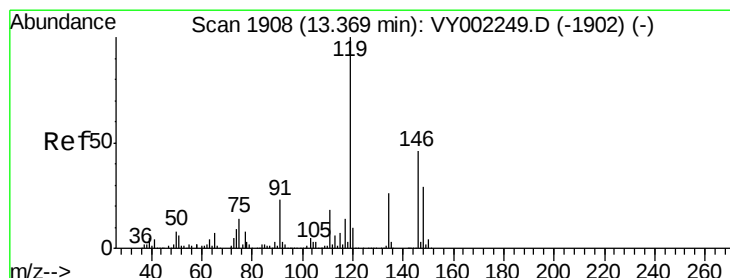
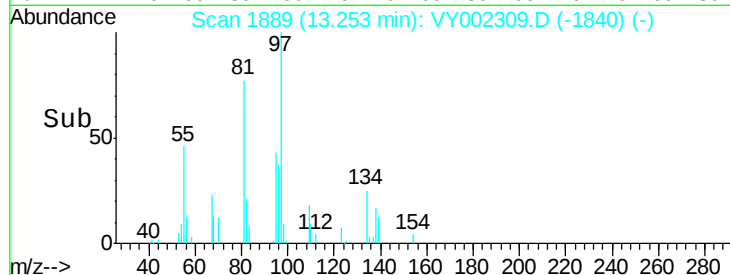
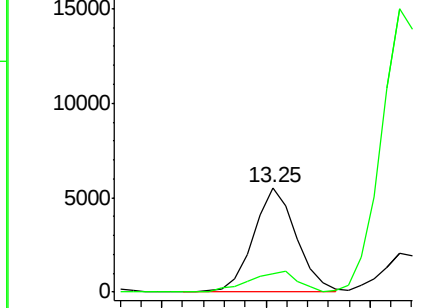
Manual Integrations
APPROVED

MMDadoda
4/15/2020 9:38:29 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.541 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY002309.D

Acq: 14 Apr 2020 15:26

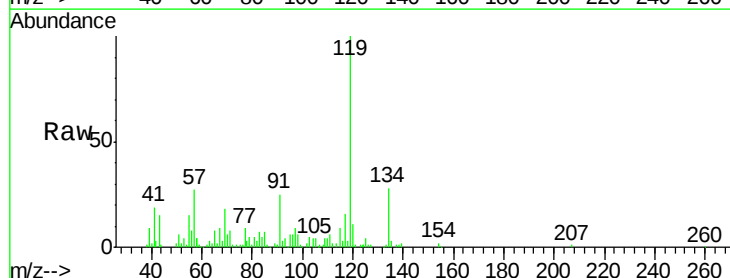
Tgt Ion:119 Resp: 30945

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

91 23.1 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

