

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112018\
 Data File : VL032797.D
 Acq On : 21 Nov 2018 3:14
 Operator : SY/AP
 Sample : J5998-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-104DL

Manual Integrations
 APPROVED

MMDadoda
 11/26/2018 9:18:56 AM

Quant Time: Nov 22 12:58:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1326797	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3370340	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3067131	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2398052	10.45	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.66	45	150885	10.943	ppbv	98
15) Acetone	3.93	43	48539	0.401	ppbv	100
19) Isopropyl Alcohol	4.06	45	21707m	0.269	ppbv	
53) Toluene	9.96	91	382341	1.366	ppbv	99

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

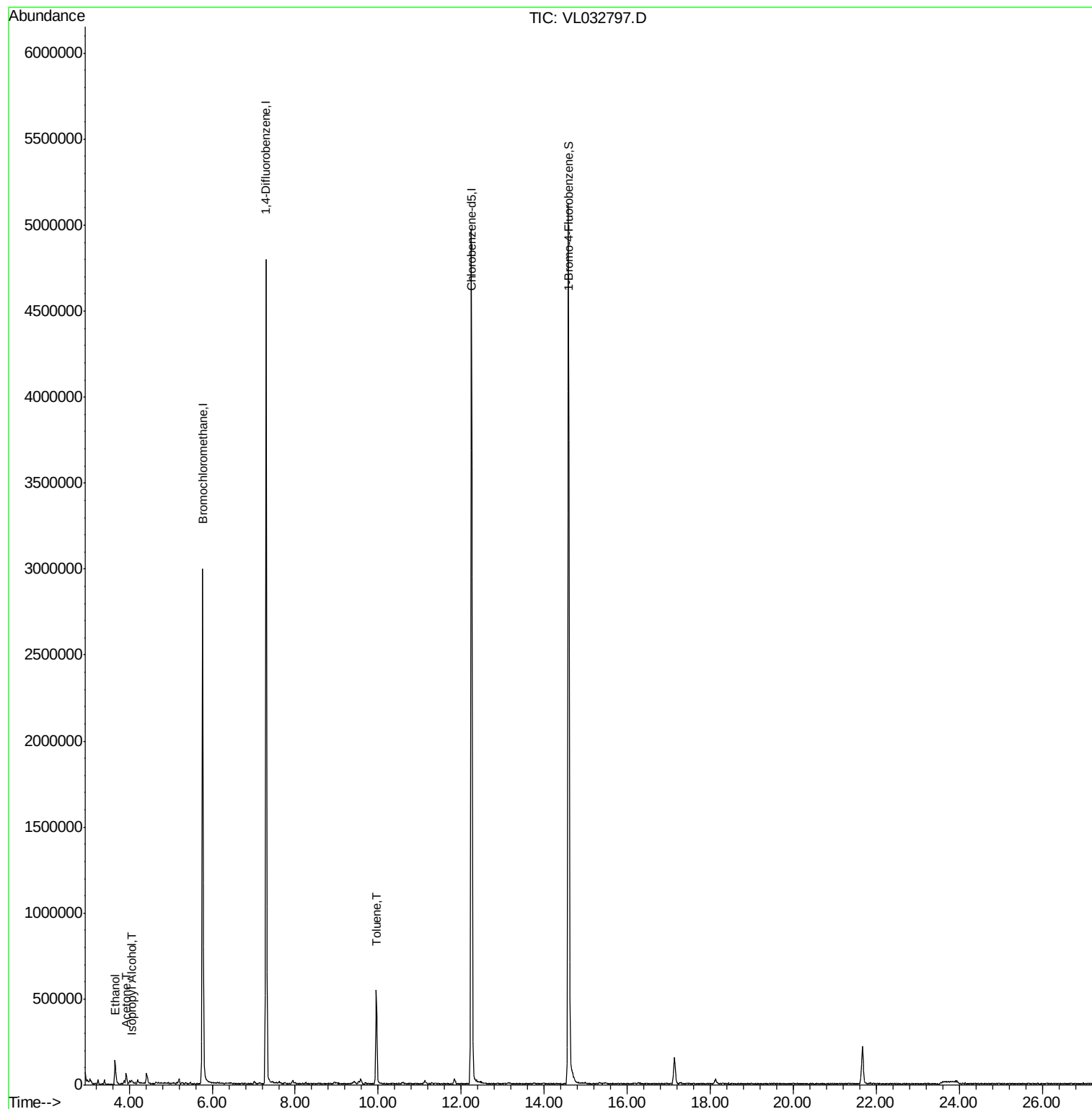
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL112018\
Data File : VL032797.D
Acq On : 21 Nov 2018 3:14
Operator : SY/AP
Sample : J5998-03DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

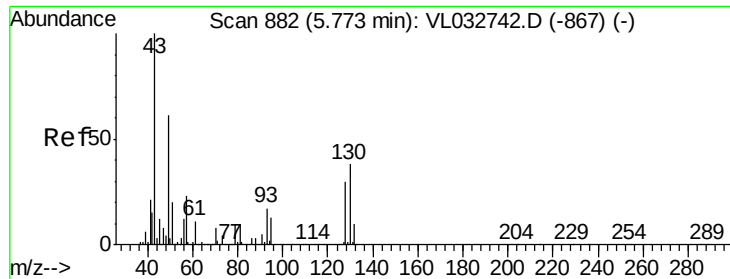
Instrument :
MSVOA_L
ClientSampleId :
IA-104DL

Manual Integrations
APPROVED

MMDadoda
11/26/2018 9:18:56 AM

Quant Time: Nov 22 12:58:19 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.01 min

Lab File: VL032797.D

Acq: 21 Nov 2018 3:14

Instrument :

MSVOA_L

ClientSampled :

IA-104DL

Tot Ion: 49 Resp: 1326797

Ion Ratio Lower Upper

49 100

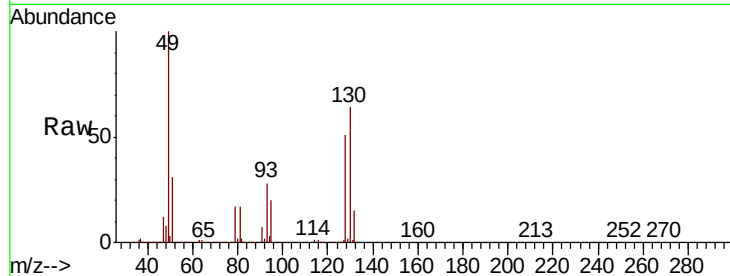
128 52.9 24.9 74.6

130 67.8 31.4 94.2

Manual Integrations
APPROVED

MMDadoda

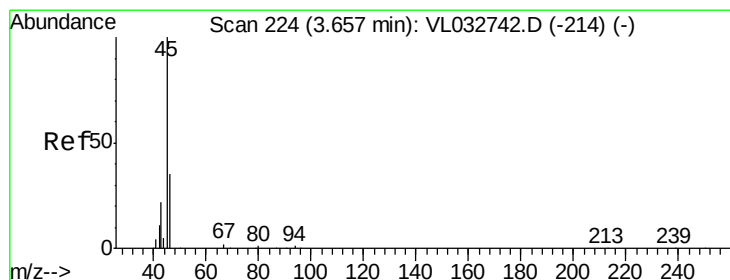
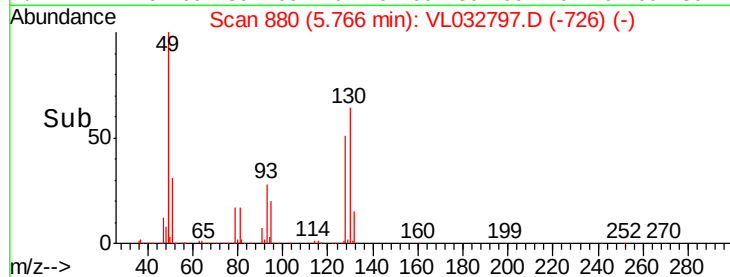
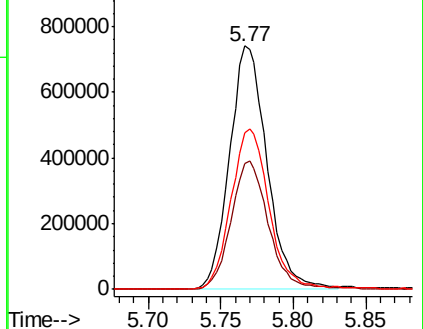
11/26/2018 9:18:56 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 10.943 ppbv

RT: 3.66 min Scan# 226

Delta R.T. 0.01 min

Lab File: VL032797.D

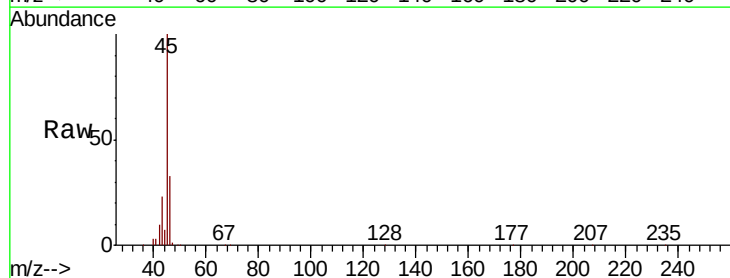
Acq: 21 Nov 2018 3:14

Tgt Ion: 45 Resp: 150885

Ion Ratio Lower Upper

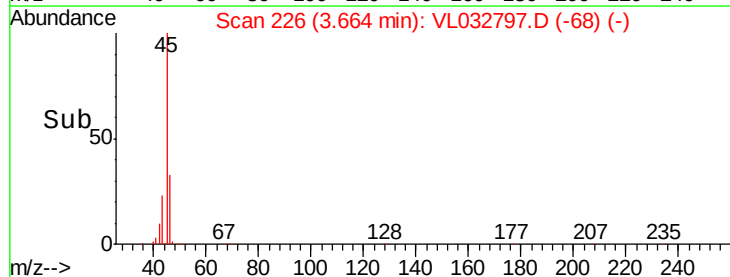
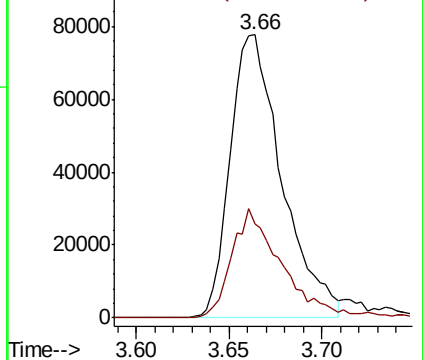
45 100

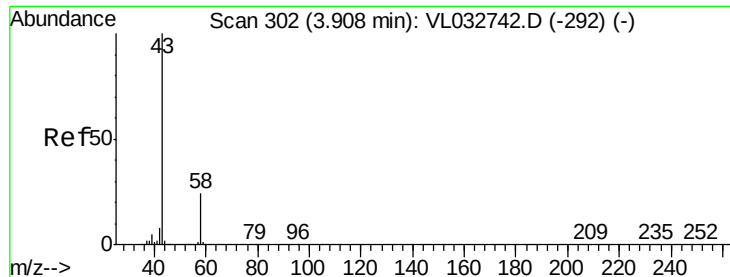
46 37.6 14.5 57.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.401 ppbv

RT: 3.93 min Scan# 308

Delta R.T. 0.02 min

Lab File: VL032797.D

Acq: 21 Nov 2018 3:14

Instrument :

MSVOA_L

ClientSampleId :

IA-104DL

Tot Ion: 43 Resp: 48539

Ion Ratio Lower Upper

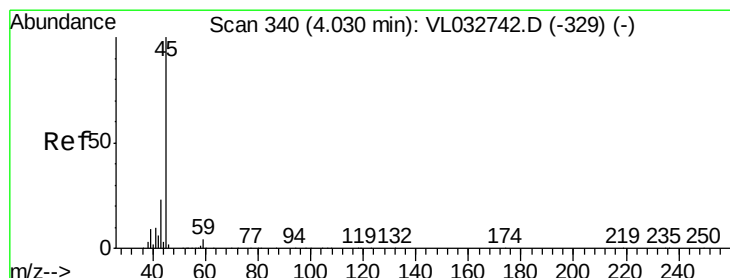
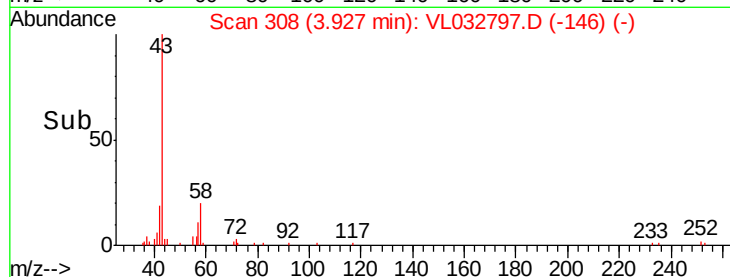
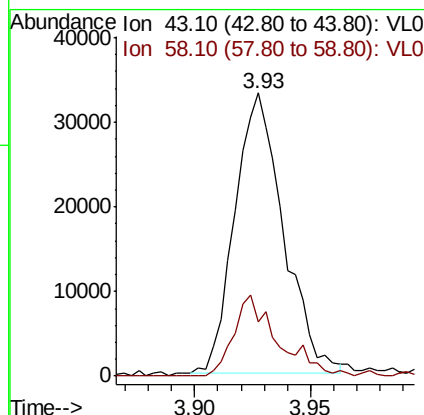
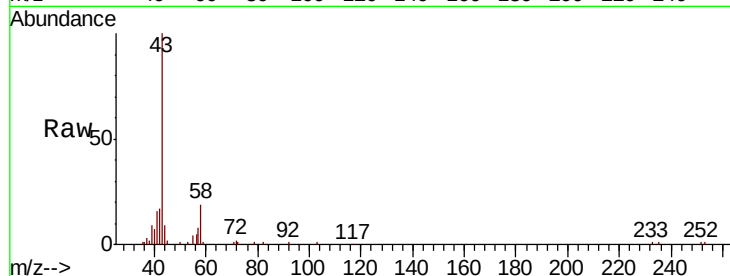
43 100

58 26.6 21.1 31.7

Manual Integrations
APPROVED

MMDadoda

11/26/2018 9:18:56 AM



#19

Isopropyl Alcohol

Concen: 0.269 ppbv m

RT: 4.06 min Scan# 349

Delta R.T. 0.03 min

Lab File: VL032797.D

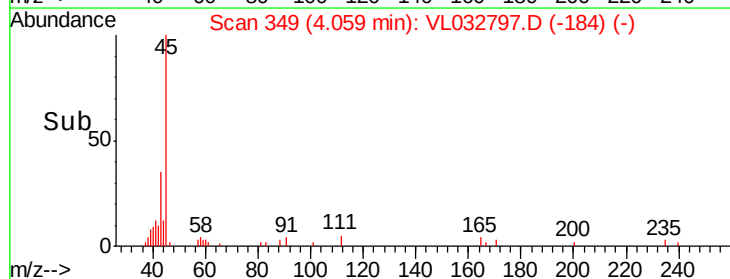
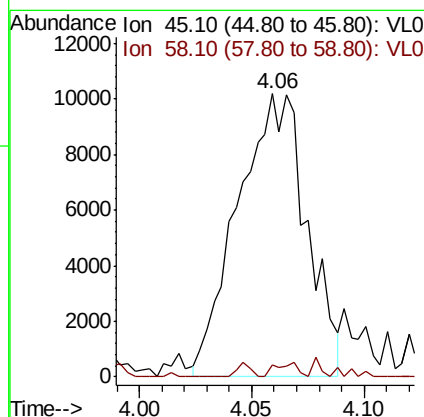
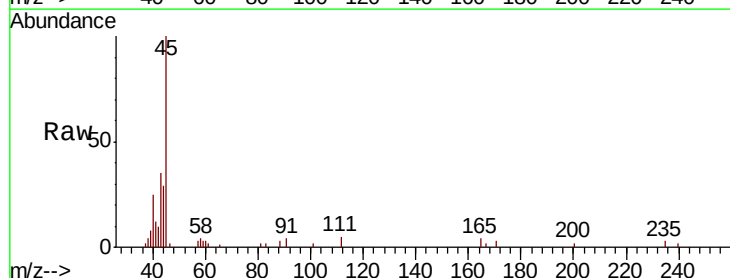
Acq: 21 Nov 2018 3:14

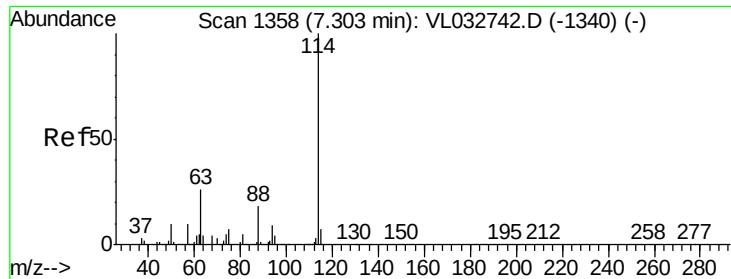
Tgt Ion: 45 Resp: 21707

Ion Ratio Lower Upper

45 100

58 2.0 1.4 2.0





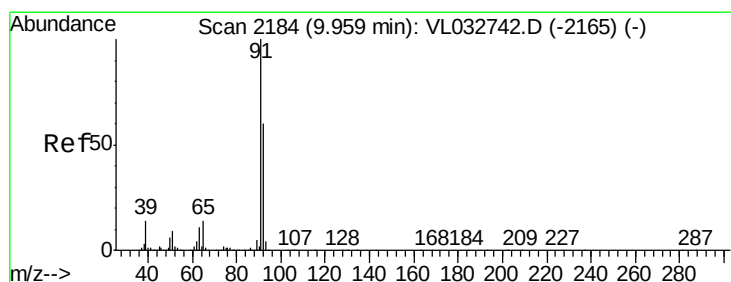
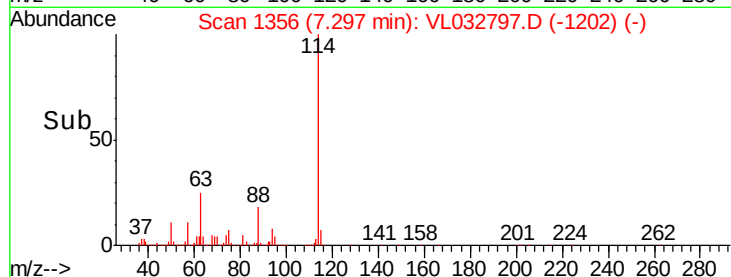
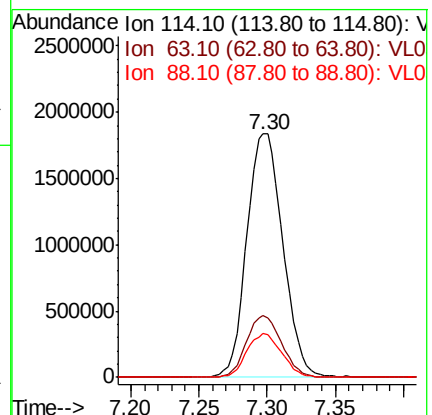
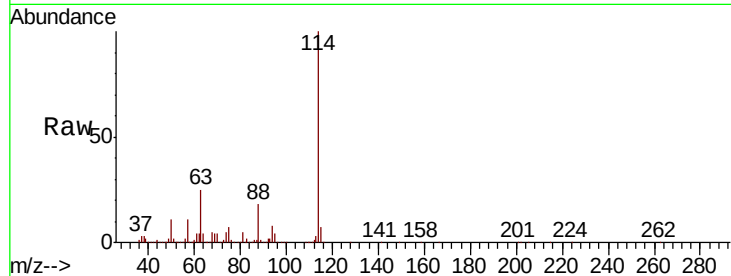
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: VL032797.D
 Acq: 21 Nov 2018 3:14

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-104DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.8	20.9	31.3
88	17.6	14.4	21.6

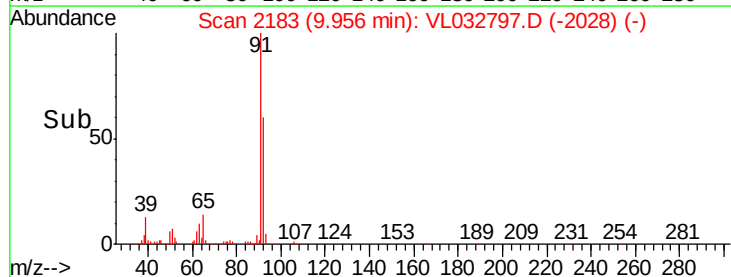
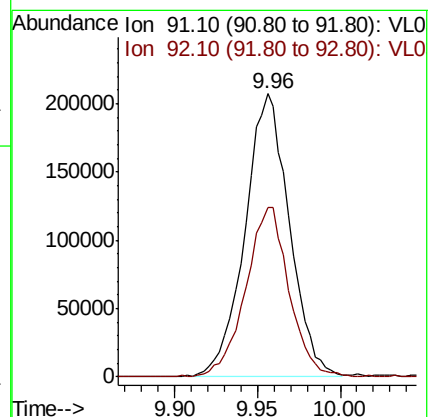
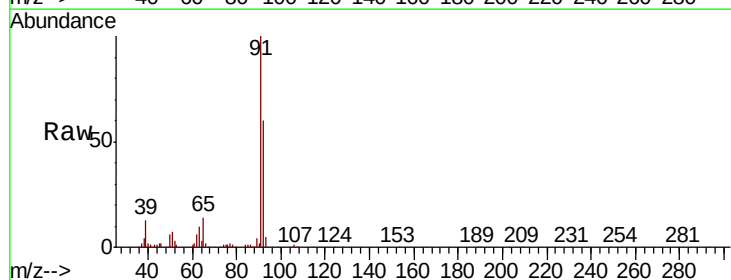
Manual Integrations
 APPROVED

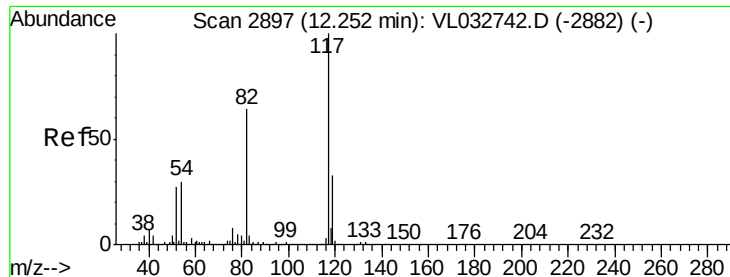
MMDadoda
 11/26/2018 9:18:56 AM



#53
 Toluene
 Concen: 1.366 ppbv
 RT: 9.96 min Scan# 2183
 Delta R.T. -0.00 min
 Lab File: VL032797.D
 Acq: 21 Nov 2018 3:14

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.4	47.9	71.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2895

Delta R.T. -0.01 min

Lab File: VL032797.D

Acq: 21 Nov 2018 3:14

Instrument :

MSVOA_L

ClientSampled :

IA-104DL

Tot Ion:117 Resp: 3067131

Ion Ratio Lower Upper

117 100

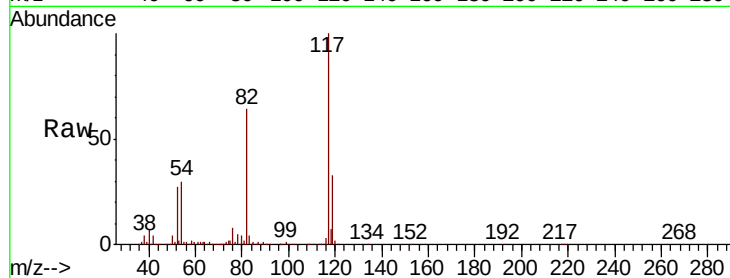
82 64.1 51.0 76.6

119 32.7 28.0 42.0

Manual Integrations
APPROVED

MMDadoda

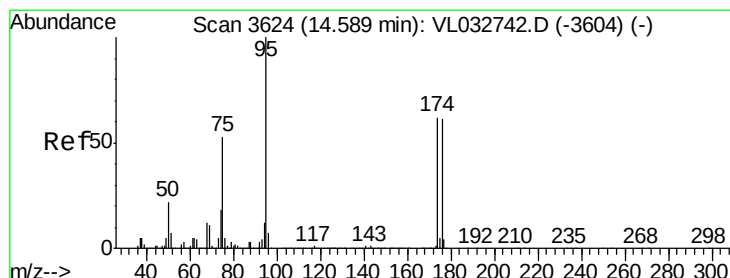
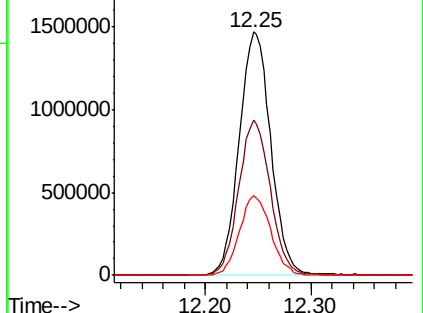
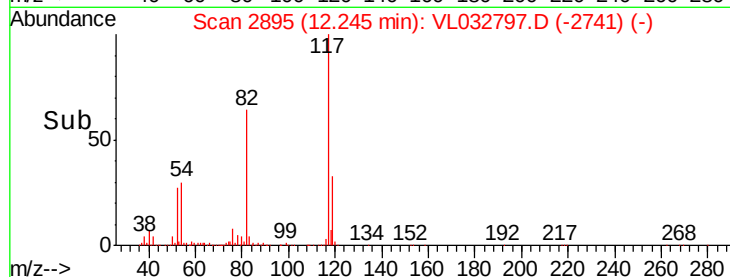
11/26/2018 9:18:56 AM



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.453 ppbv

RT: 14.58 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL032797.D

Acq: 21 Nov 2018 3:14

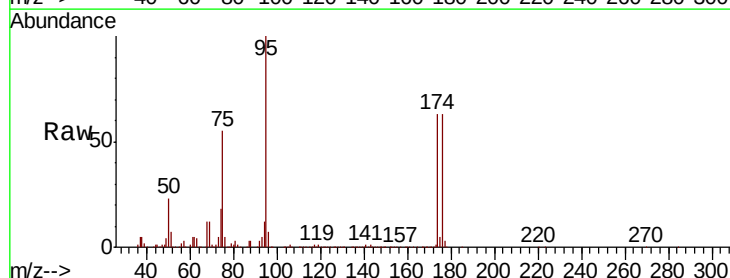
Tgt Ion: 95 Resp: 2398052

Ion Ratio Lower Upper

95 100

174 66.9 50.7 76.1

175 4.9 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

