

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112018\
 Data File : VL032792.D
 Acq On : 20 Nov 2018 23:58
 Operator : SY/AP
 Sample : J5998-05 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EP-104

Manual Integrations
 APPROVED

MMDadoda
 11/26/2018 9:18:50 AM

Quant Time: Nov 21 06:05:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 14 07:00:23 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	1316319	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3365071	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3047247	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2280204	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

Target Compounds					Ovalue
9) Propene	3.06	41	10512	0.252 ppbv	85
13) Ethanol	3.66	45	217166	15.876 ppbv	98
15) Acetone	3.92	43	136569	1.136 ppbv	91
19) Isopropyl Alcohol	4.05	45	21539m	0.269 ppbv	
20) Methylene Chloride	4.42	84	30365	0.488 ppbv	88
26) Hexane	5.79	57	14375m	0.115 ppbv	
53) Toluene	9.95	91	39112m	0.140 ppbv	

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

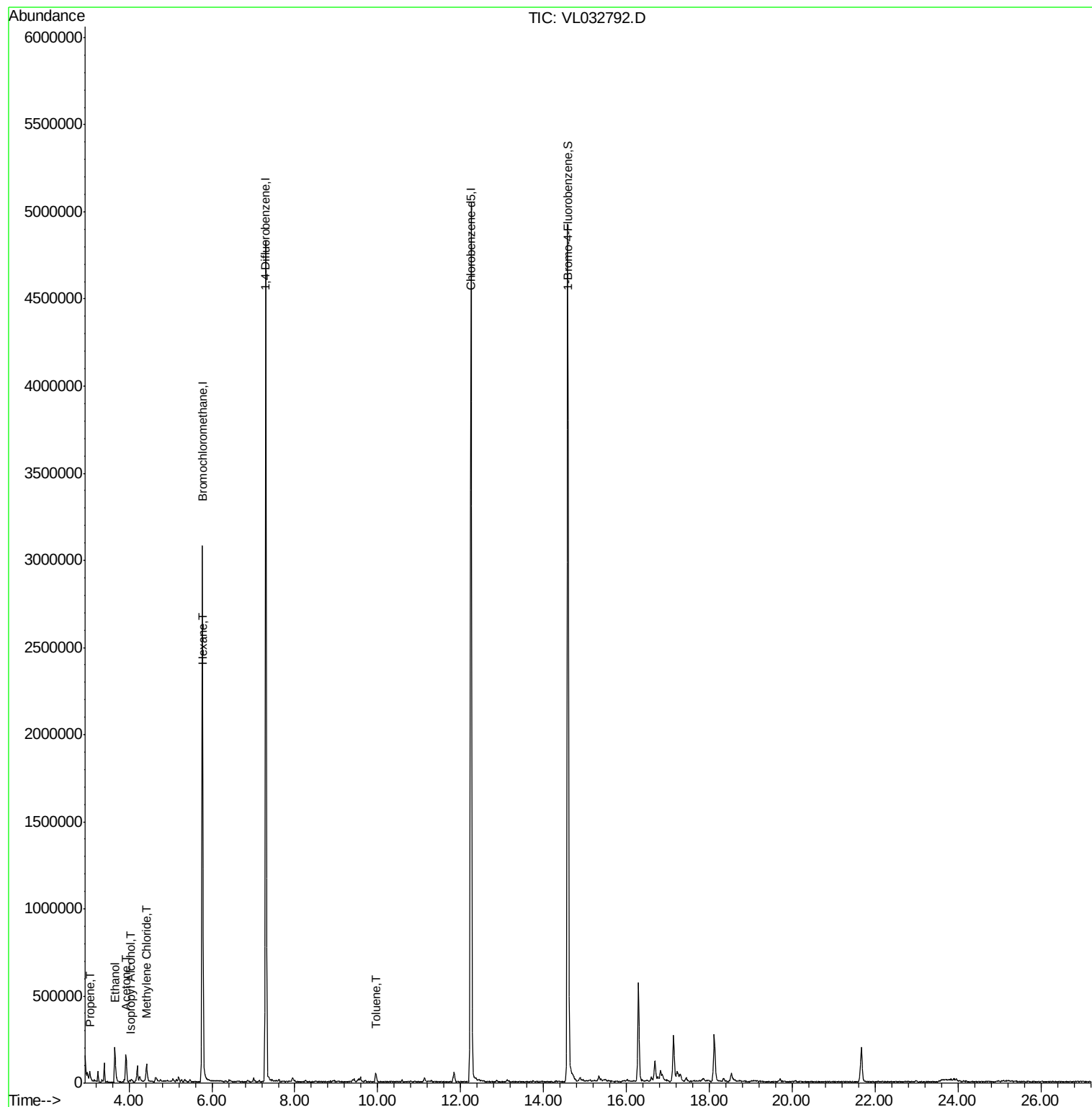
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL112018\
Data File : VL032792.D
Acq On : 20 Nov 2018 23:58
Operator : SY/AP
Sample : J5998-05 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

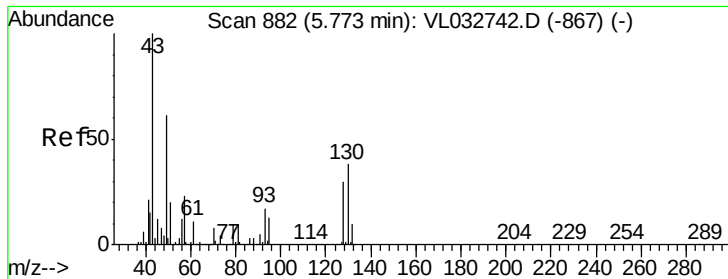
Instrument :
MSVOA_L
ClientSampleId :
EP-104

Manual Integrations
APPROVED

MMDadoda
11/26/2018 9:18:50 AM

Quant Time: Nov 21 06:05:35 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# 881

Delta R.T. -0.00 min

Lab File: VL032792.D

Acq: 20 Nov 2018 23:58

Instrument :

MSVOA_L

ClientSampled :

EP-104

Tot Ion: 49 Resp: 1316319

Ion Ratio Lower Upper

49 100

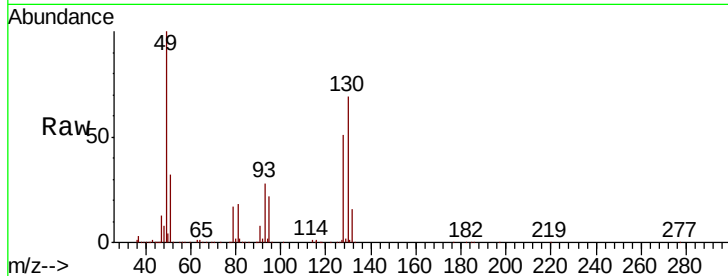
128 52.9 24.9 74.6

130 67.9 31.4 94.2

Manual Integrations
APPROVED

MMDadoda

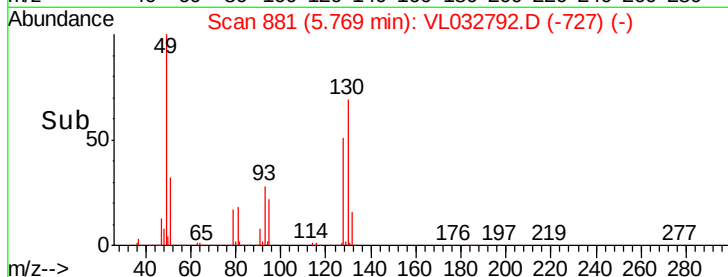
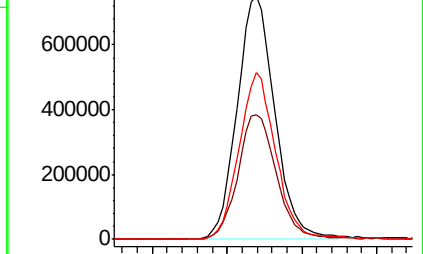
11/26/2018 9:18:50 AM



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



#9

Propene

Concen: 0.252 ppbv

RT: 3.06 min Scan# 37

Delta R.T. 0.01 min

Lab File: VL032792.D

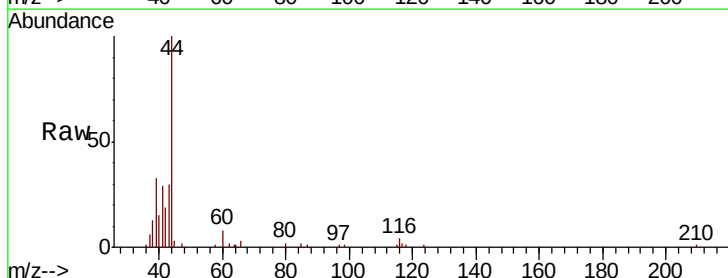
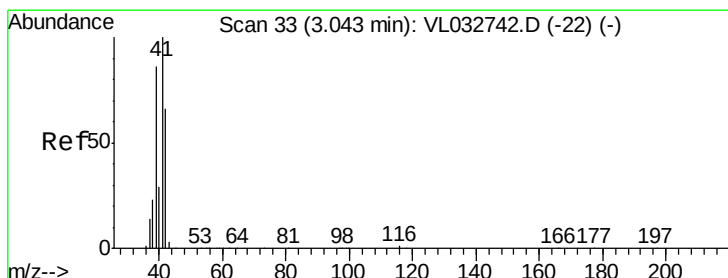
Acq: 20 Nov 2018 23:58

Tgt Ion: 41 Resp: 10512

Ion Ratio Lower Upper

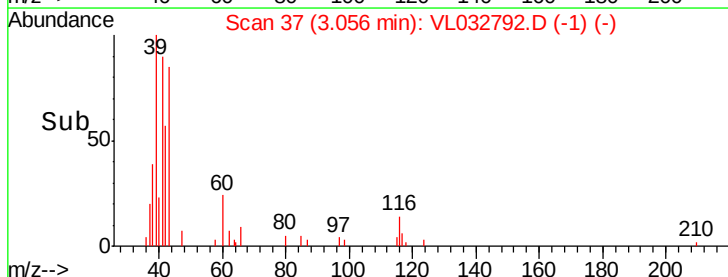
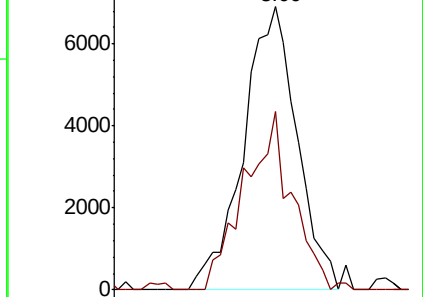
41 100

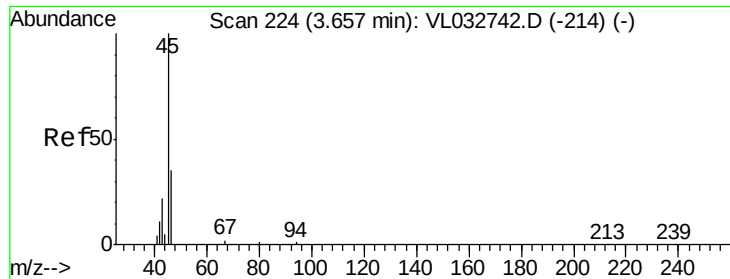
42 56.3 55.0 82.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





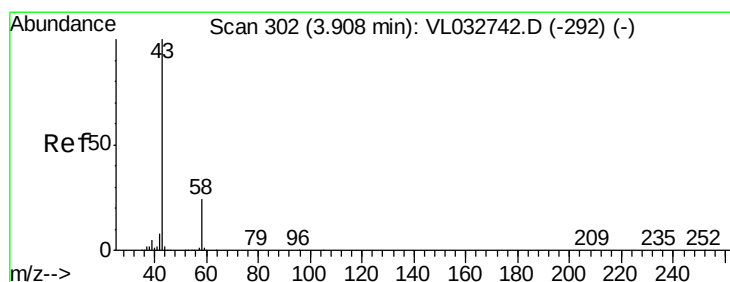
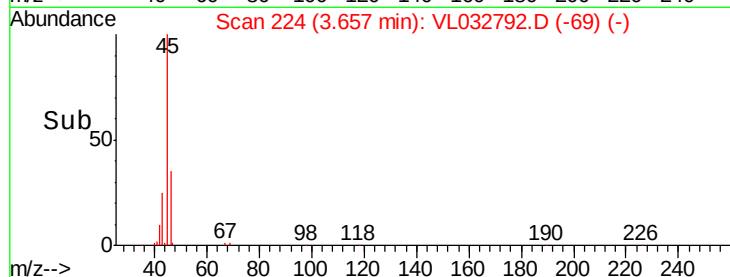
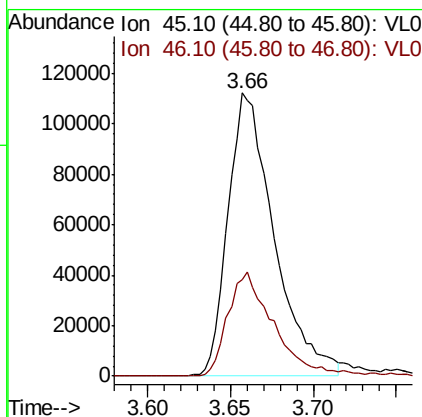
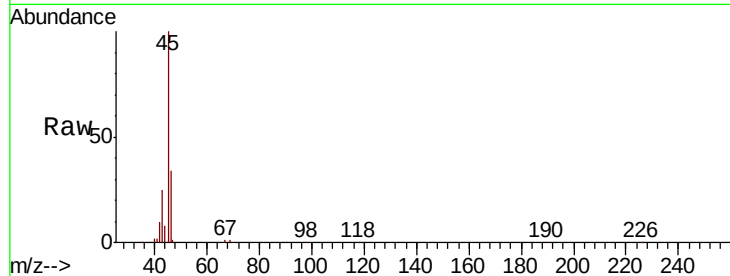
#13
Ethanol
Concen: 15.876 ppbv
RT: 3.66 min Scan# 224
Delta R.T. -0.00 min
Lab File: VL032792.D
Acq: 20 Nov 2018 23:58

Instrument :
MSVOA_L
ClientSampled :
EP-104

Tot Ion: 45 Resp: 217166
Ion Ratio Lower Upper
45 100
46 37.5 14.5 57.9

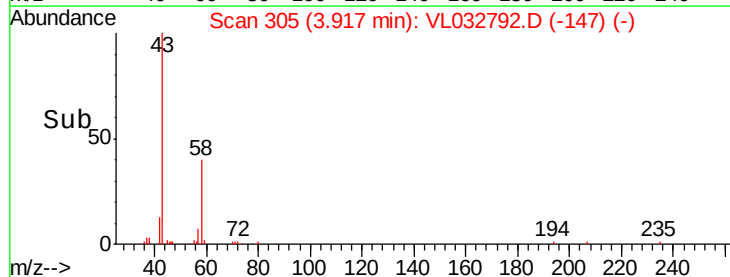
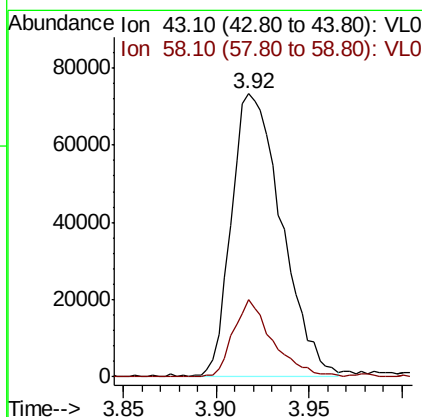
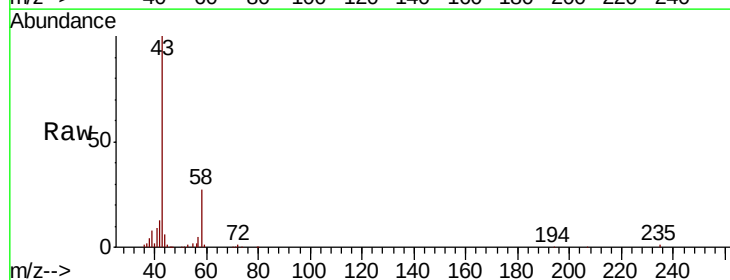
Manual Integrations
APPROVED

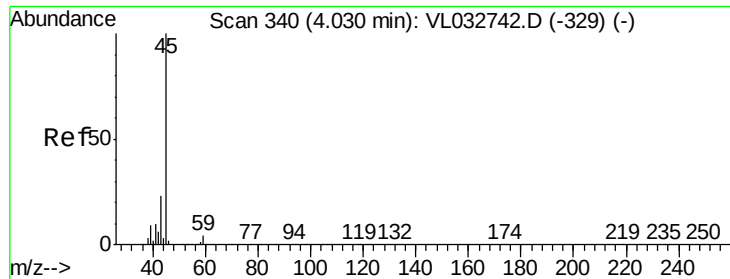
MMDadoda
11/26/2018 9:18:50 AM



#15
Acetone
Concen: 1.136 ppbv
RT: 3.92 min Scan# 305
Delta R.T. 0.01 min
Lab File: VL032792.D
Acq: 20 Nov 2018 23:58

Tgt Ion: 43 Resp: 136569
Ion Ratio Lower Upper
43 100
58 22.0 21.1 31.7





#19

Isopropyl Alcohol

Concen: 0.269 ppbv m

RT: 4.05 min Scan# 346

Delta R.T. 0.02 min

Lab File: VL032792.D

Acq: 20 Nov 2018 23:58

Instrument :

MSVOA_L

ClientSampled :

EP-104

Tot Ion: 45 Resp: 21539

Ion Ratio Lower Upper

45 100

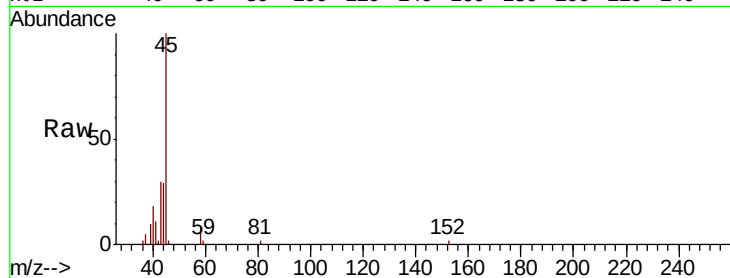
58 5.7 1.4 2.0#

Manual Integrations

APPROVED

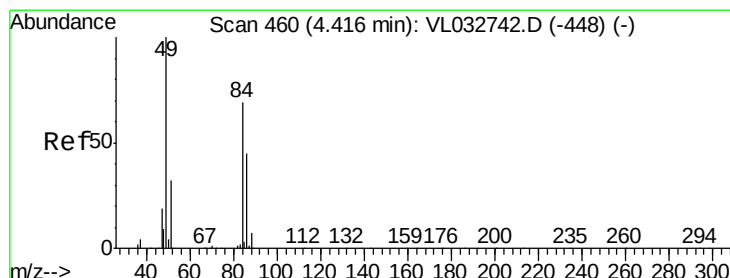
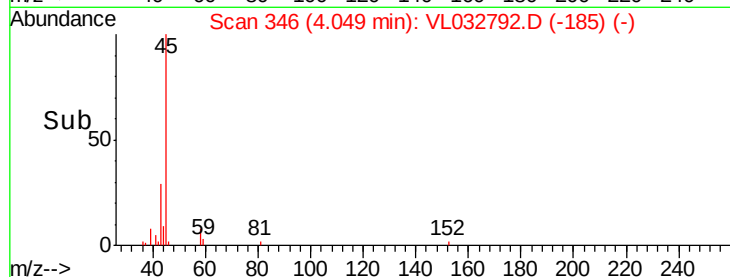
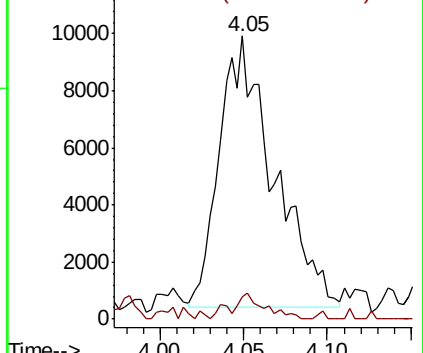
MMDadoda

11/26/2018 9:18:50 AM



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.488 ppbv

RT: 4.42 min Scan# 461

Delta R.T. 0.00 min

Lab File: VL032792.D

Acq: 20 Nov 2018 23:58

Tgt Ion: 84 Resp: 30365

Ion Ratio Lower Upper

84 100

49 128.8 115.8 173.6

51 44.3 36.9 55.3

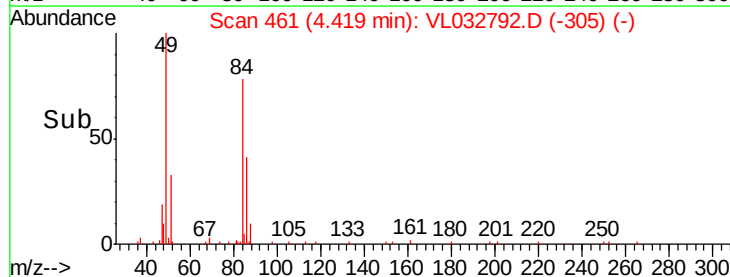
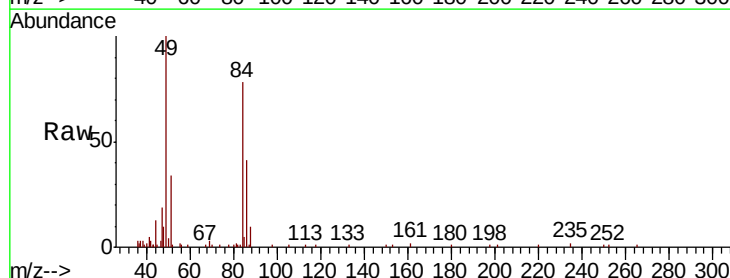
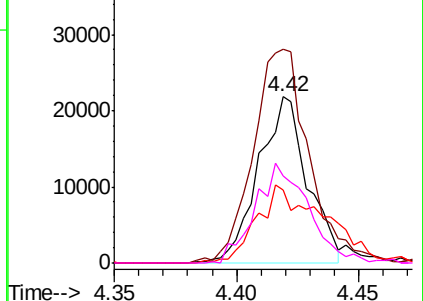
86 52.5 52.4 78.6

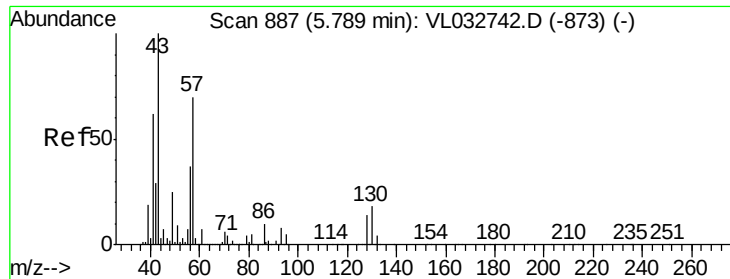
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#26

Hexane

Concen: 0.115 ppbv m

RT: 5.79 min Scan# 887

Delta R.T. -0.00 min

Lab File: VL032792.D

Acq: 20 Nov 2018 23:58

Instrument :

MSVOA_L

ClientSampleId :

EP-104

Tot Ion: 57 Resp: 14375

Ion Ratio Lower Upper

57 100

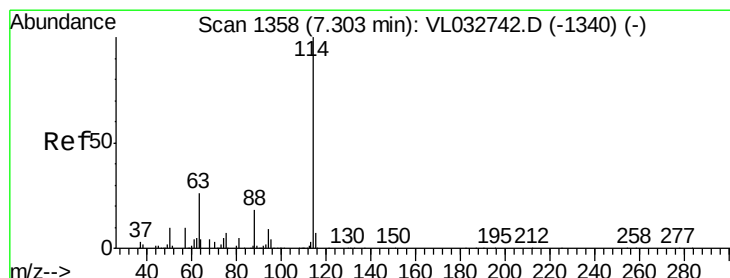
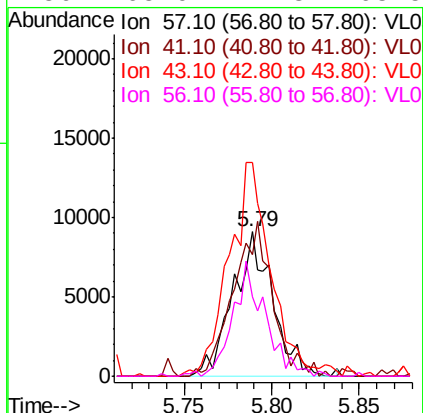
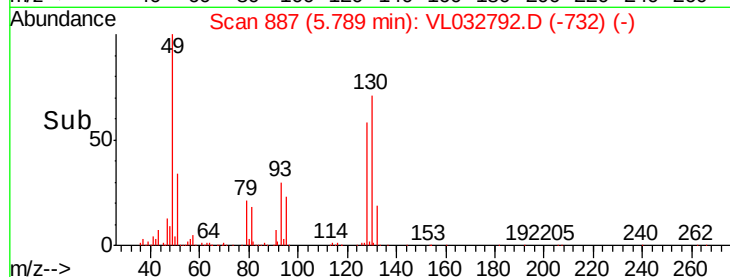
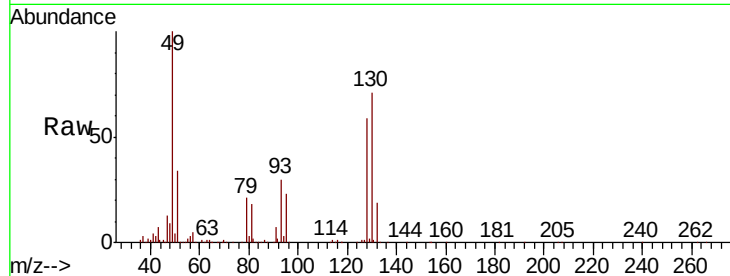
41 107.7 70.3 105.5#

43 156.6 174.0 261.0#

56 65.0 42.3 63.5#

Manual Integrations
APPROVED

MMDadoda
11/26/2018 9:18:50 AM



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.30 min Scan# 1356

Delta R.T. -0.01 min

Lab File: VL032792.D

Acq: 20 Nov 2018 23:58

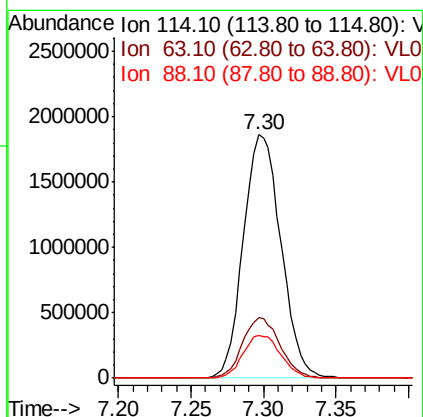
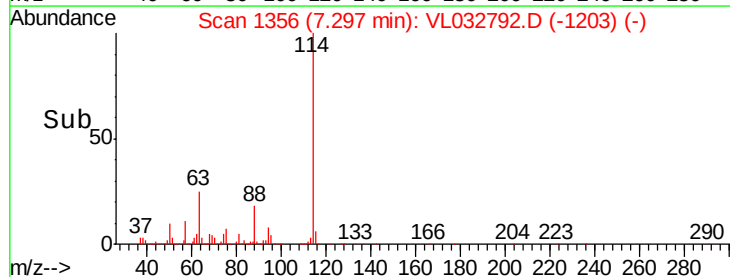
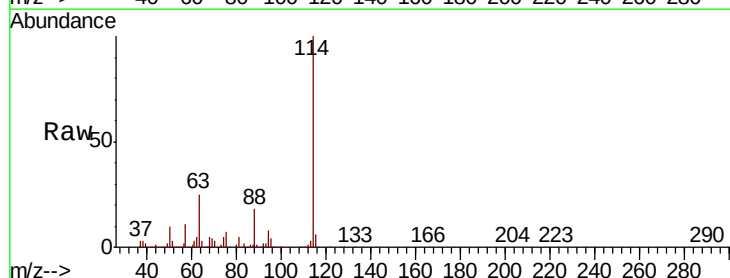
Tgt Ion:114 Resp: 3365071

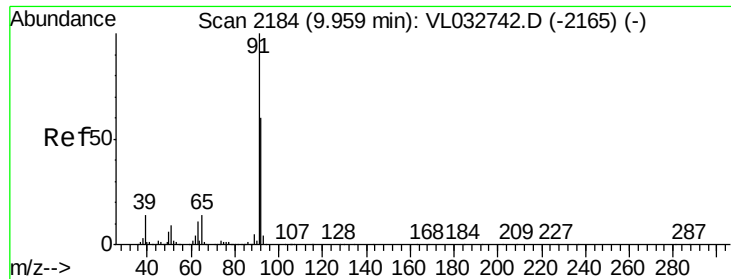
Ion Ratio Lower Upper

114 100

63 24.9 20.9 31.3

88 17.6 14.4 21.6





#53

Toluene

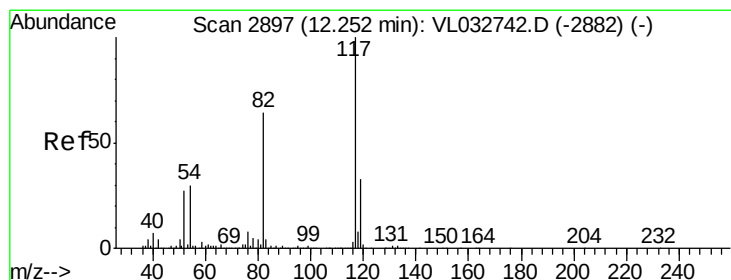
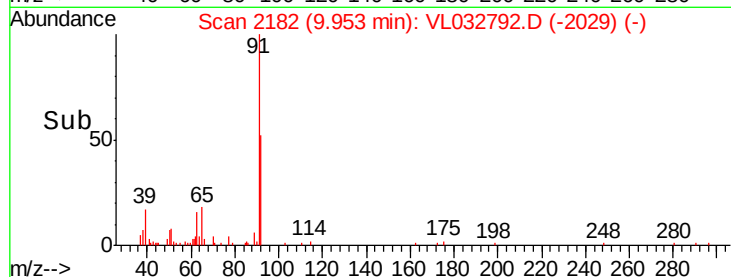
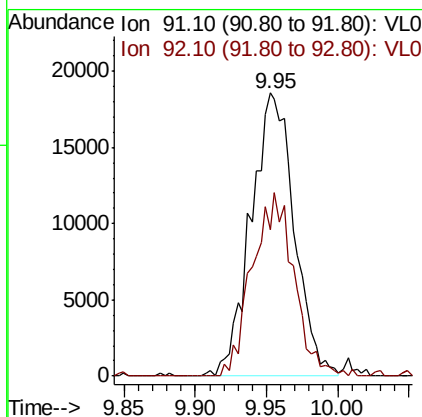
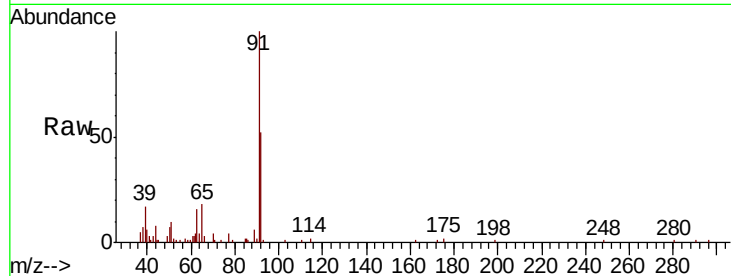
Concen: 0.140 ppbv m
RT: 9.95 min Scan# 2182
Delta R.T. -0.01 min
Lab File: VL032792.D
Acq: 20 Nov 2018 23:58

Instrument :
MSVOA_L
ClientSampleId :
EP-104

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	62.2	47.9	71.9	

Manual Integrations
APPROVED

MMDadoda
11/26/2018 9:18:50 AM

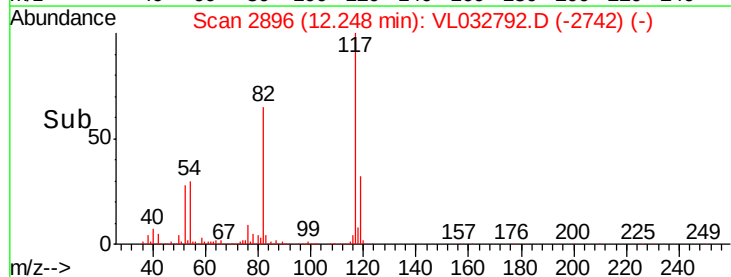
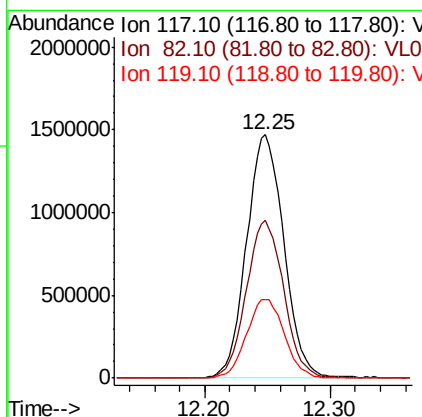
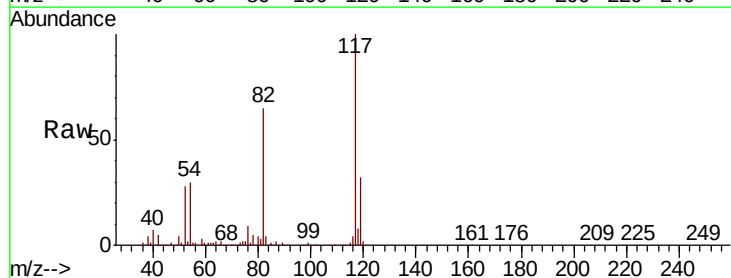


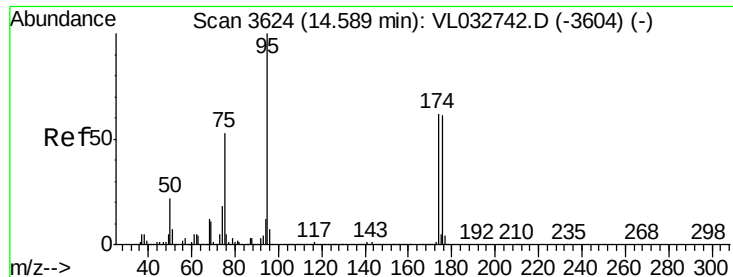
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL032792.D
Acq: 20 Nov 2018 23:58

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
82	65.4	51.0	76.6	
119	33.0	28.0	42.0	





#68

1-Bromo-4-Fluorobenzene

Concen: 10.004 ppbv

RT: 14.58 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL032792.D

Acq: 20 Nov 2018 23:58

Instrument :

MSVOA_L

ClientSampleId :

EP-104

Tot Ion: 95 Resp: 2280204

Ion Ratio Lower Upper

95 100

174 67.2 50.7 76.1

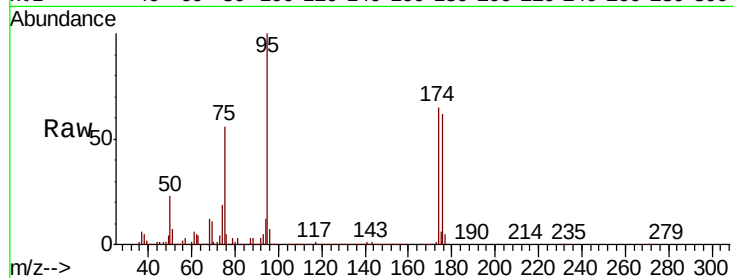
175 5.0 3.8 5.6

Manual Integrations

APPROVED

MMDadoda

11/26/2018 9:18:50 AM



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

