

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
 Data File : VL032578.D
 Acq On : 28 Sep 2018 11:14
 Operator : SY/AP
 Sample : J5094-10 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 PSS-1

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 11:58:05 AM

Quant Time: Sep 29 22:46:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 2
 QLast Update : Tue Sep 25 05:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1259909	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	2847188	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3042727	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.61	95	2154313	9.39	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.03	51	135360	1.292	ppbv	98
13) Ethanol	3.68	45	70350	5.148	ppbv	98
15) Acetone	3.93	43	241323m	2.182	ppbv	
19) Isopropyl Alcohol	4.07	45	11138m	0.145	ppbv	
26) Hexane	5.80	57	12674m	0.105	ppbv	
29) Chloroform	5.87	83	179776	0.967	ppbv	95
52) Tetrachloroethene	11.41	164	3609473	45.053	ppbv	100

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

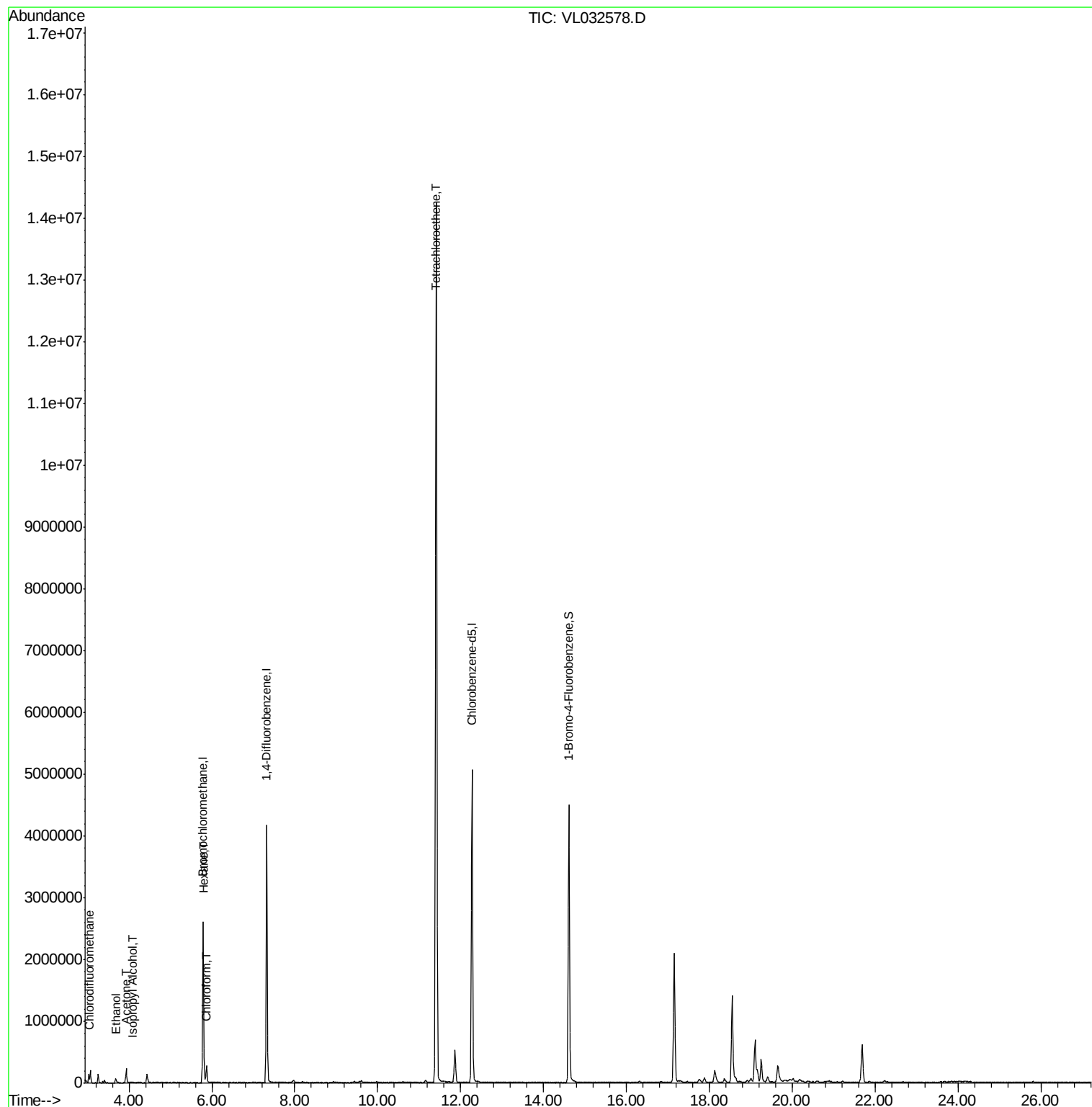
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
Data File : VL032578.D
Acq On : 28 Sep 2018 11:14
Operator : SY/AP
Sample : J5094-10 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

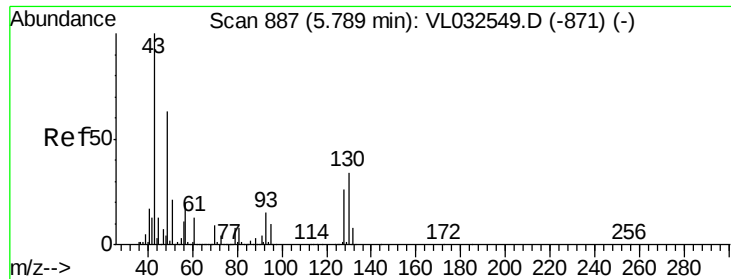
Instrument :
MSVOA_L
ClientSampleId :
PSS-1

Manual Integrations
APPROVED

MMDadoda
10/1/2018 11:58:05 AM

Quant Time: Sep 29 22:46:54 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.02 min

Lab File: VL032578.D

Acq: 28 Sep 2018 11:14

Instrument :

MSVOA_L

ClientSampled :

PSS-1

Tgt Ion: 49 Resp: 1259909

Ion Ratio Lower Upper

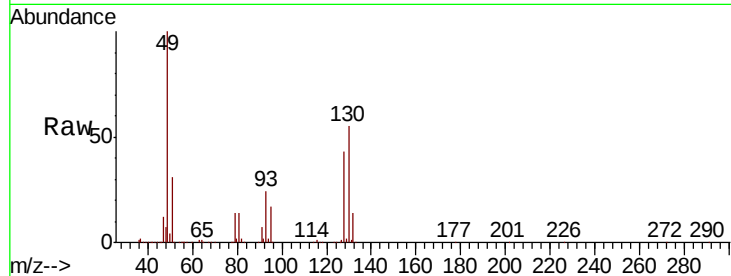
49 100

128 44.8 20.7 62.1

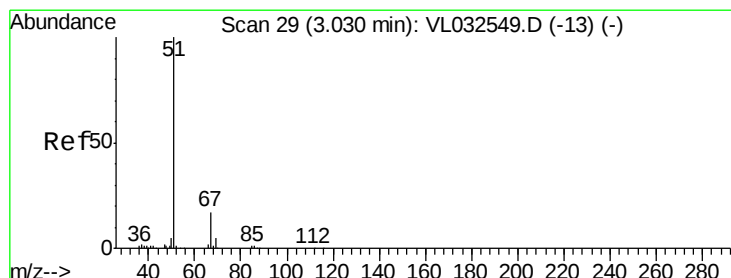
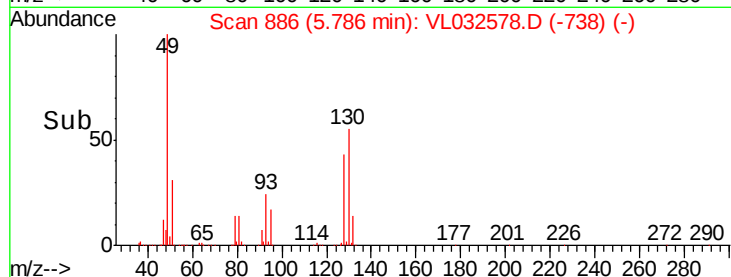
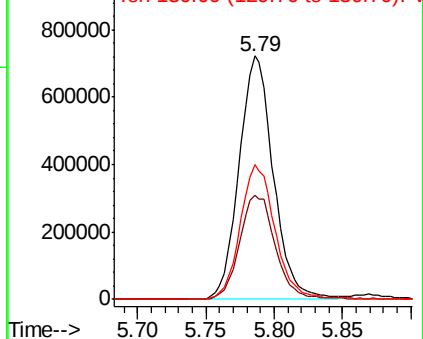
130 56.5 26.6 79.7

Manual Integrations
APPROVED

MMDadoda
10/1/2018 11:58:05 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



#3

Chlorodifluoromethane

Concen: 1.292 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.01 min

Lab File: VL032578.D

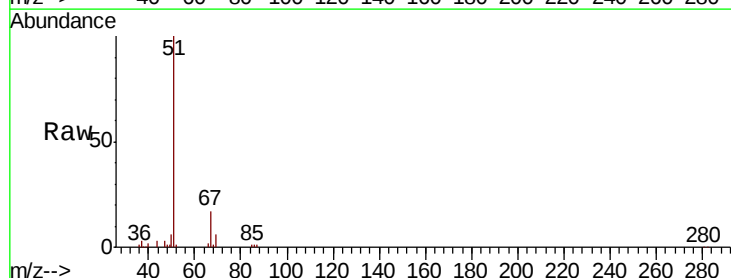
Acq: 28 Sep 2018 11:14

Tgt Ion: 51 Resp: 135360

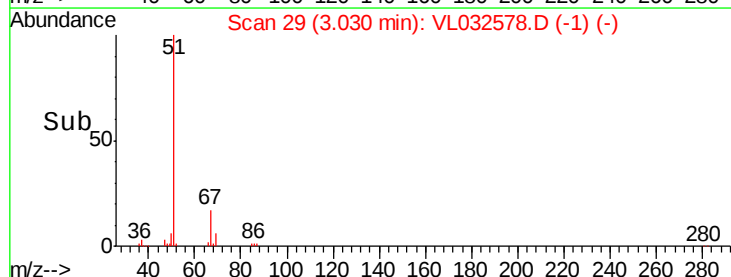
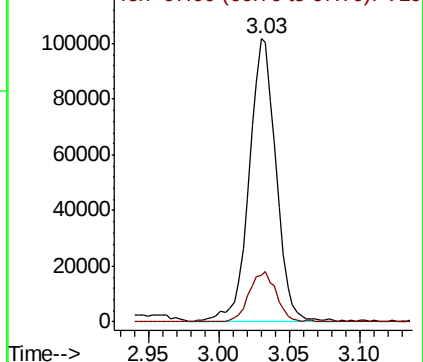
Ion Ratio Lower Upper

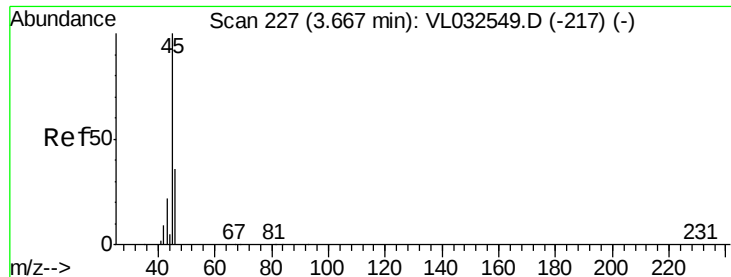
51 100

67 18.2 13.8 20.8



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0





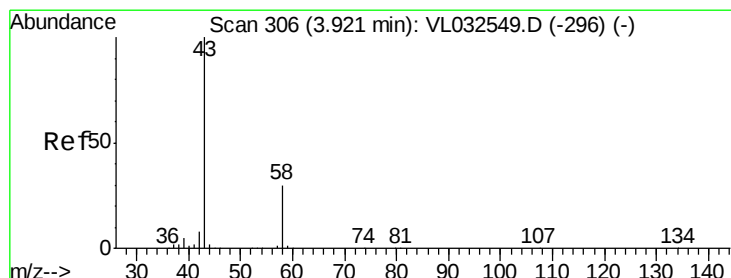
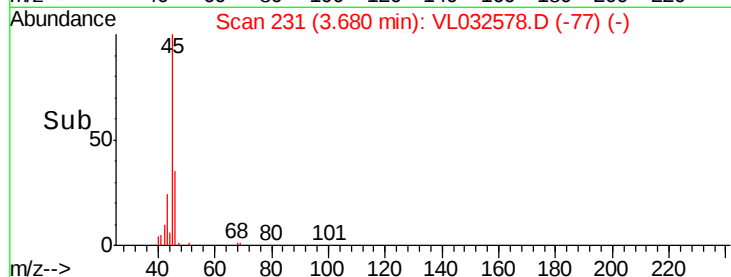
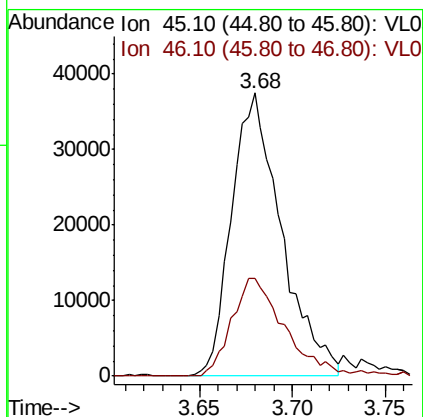
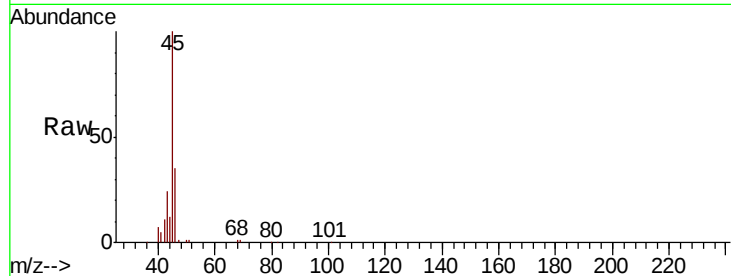
#13
Ethanol
Concen: 5.148 ppbv
RT: 3.68 min Scan# 231
Delta R.T. -0.01 min
Lab File: VL032578.D
Acq: 28 Sep 2018 11:14

Instrument :
MSVOA_L
ClientSampleId :
PSS-1

Tgt Ion: 45 Resp: 70350
Ion Ratio Lower Upper
45 100
46 36.5 14.2 56.8

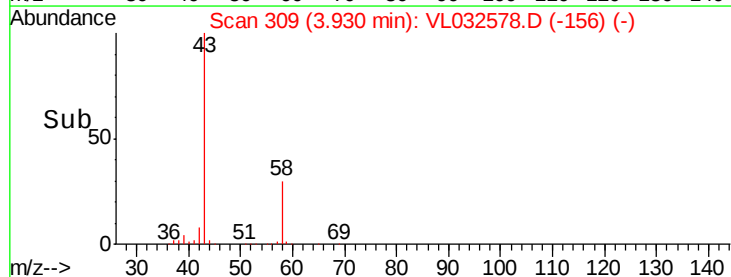
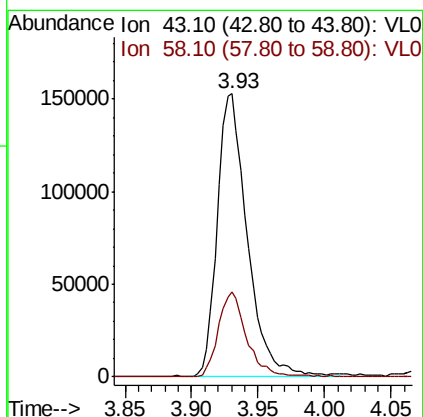
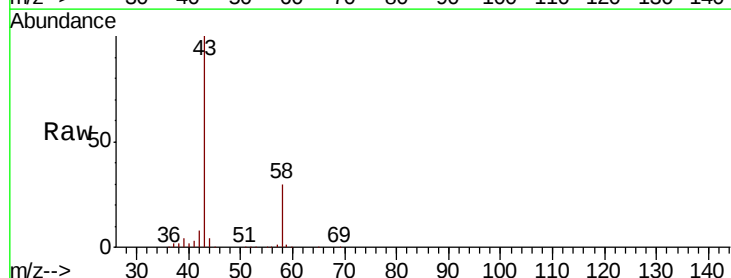
Manual Integrations
APPROVED

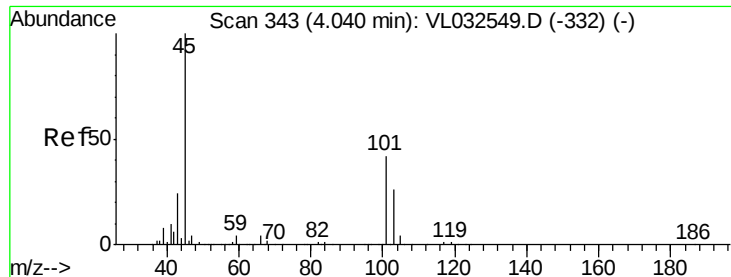
MMDadoda
10/1/2018 11:58:05 AM



#15
Acetone
Concen: 2.182 ppbv m
RT: 3.93 min Scan# 309
Delta R.T. -0.01 min
Lab File: VL032578.D
Acq: 28 Sep 2018 11:14

Tgt Ion: 43 Resp: 241323
Ion Ratio Lower Upper
43 100
58 28.7 22.6 33.8





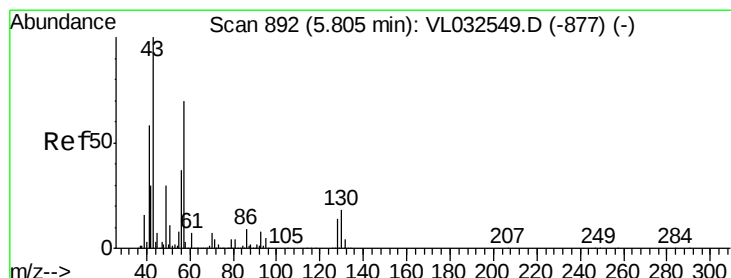
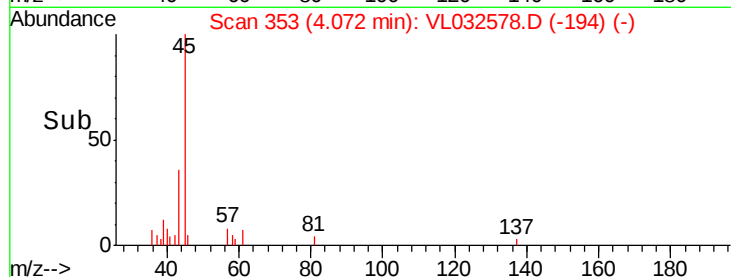
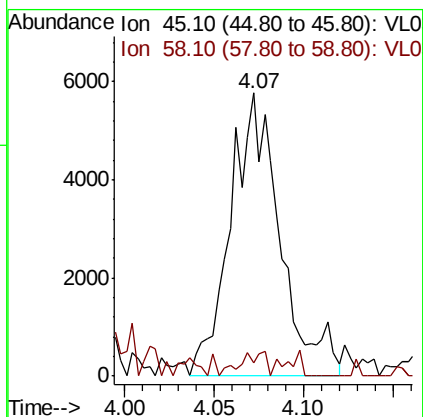
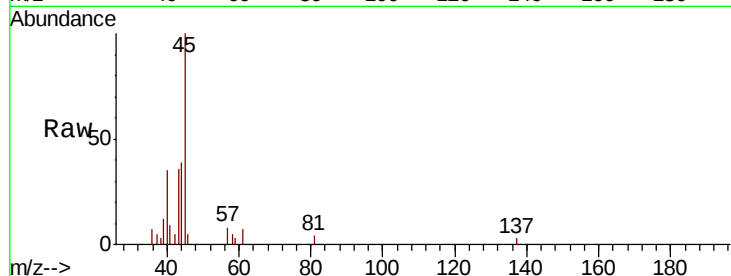
#19
Isopropyl Alcohol
Concen: 0.145 ppbv m
RT: 4.07 min Scan# 353
Delta R.T. 0.01 min
Lab File: VL032578.D
Acq: 28 Sep 2018 11:14

Instrument :
MSVOA_L
ClientSampleId :
PSS-1

Tgt Ion: 45 Resp: 11138
Ion Ratio Lower Upper
45 100
58 0.0 2.0 3.0#

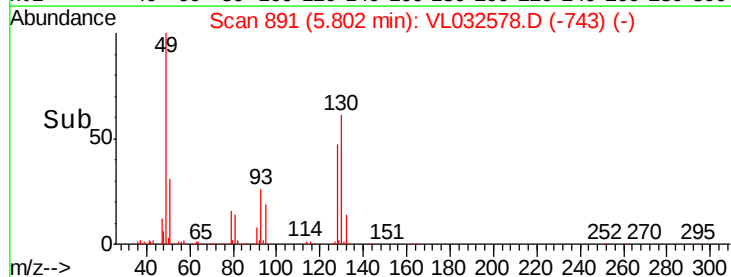
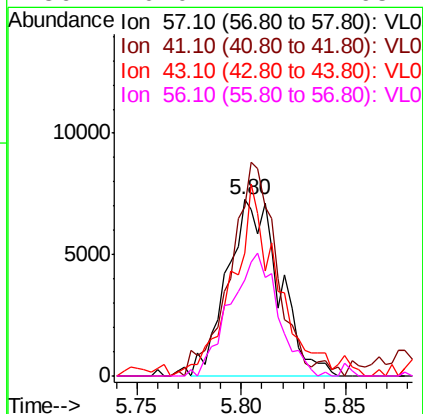
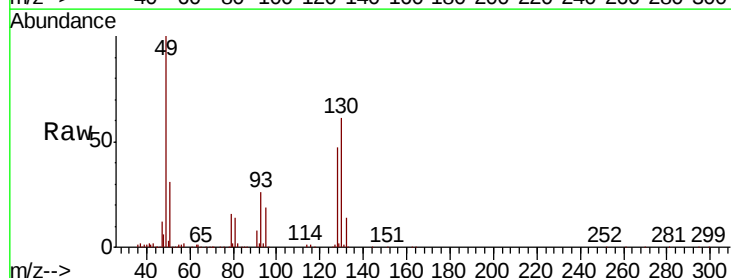
Manual Integrations
APPROVED

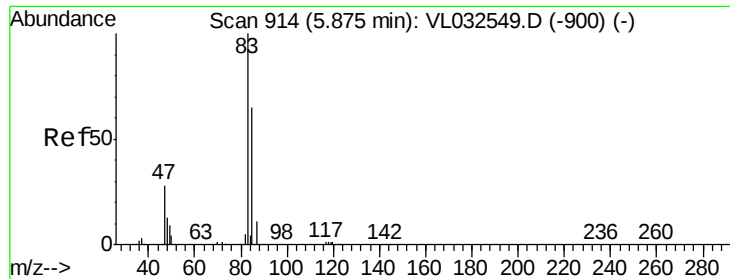
MMDadoda
10/1/2018 11:58:05 AM



#26
Hexane
Concen: 0.105 ppbv m
RT: 5.80 min Scan# 891
Delta R.T. -0.02 min
Lab File: VL032578.D
Acq: 28 Sep 2018 11:14

Tgt Ion: 57 Resp: 12674
Ion Ratio Lower Upper
57 100
41 0.0 69.0 103.4#
43 0.0 172.1 258.1#
56 0.0 42.2 63.2#





#29

Chloroform

Concen: 0.967 ppbv

RT: 5.87 min Scan# 913

Delta R.T. -0.02 min

Lab File: VL032578.D

Acq: 28 Sep 2018 11:14

Instrument :

MSVOA_L

ClientSampleId :

PSS-1

Tgt Ion: 83 Resp: 179776

Ion Ratio Lower Upper

83 100

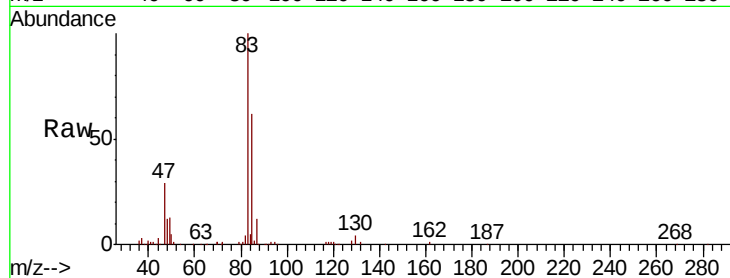
85 61.7 52.5 78.7

Manual Integrations

APPROVED

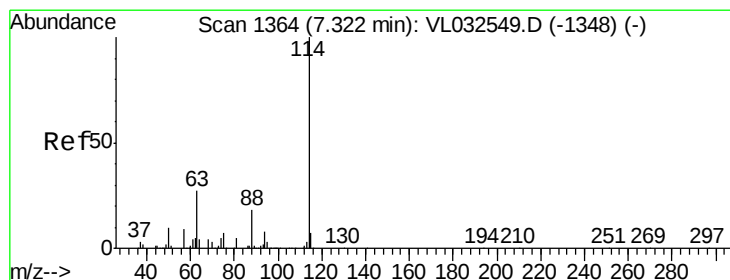
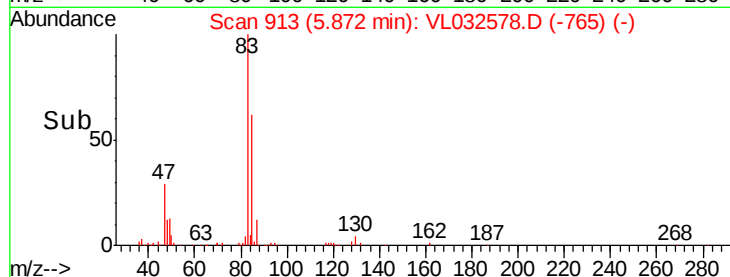
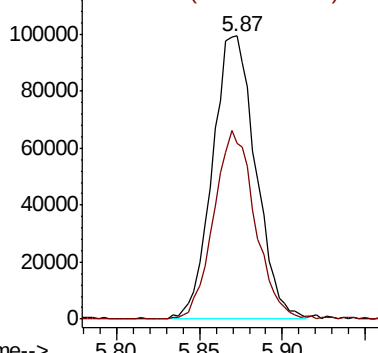
MMDadoda

10/1/2018 11:58:05 AM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.32 min Scan# 1363

Delta R.T. -0.03 min

Lab File: VL032578.D

Acq: 28 Sep 2018 11:14

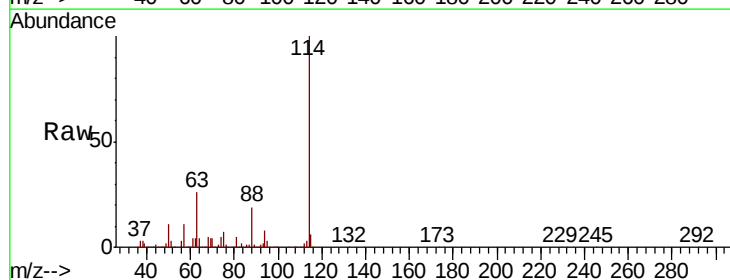
Tgt Ion: 114 Resp: 2847188

Ion Ratio Lower Upper

114 100

63 27.2 22.2 33.4

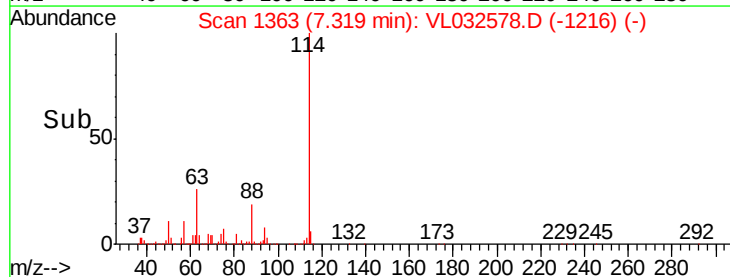
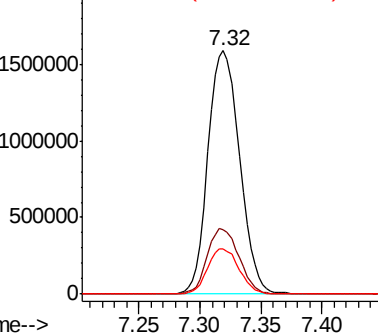
88 18.5 15.0 22.4

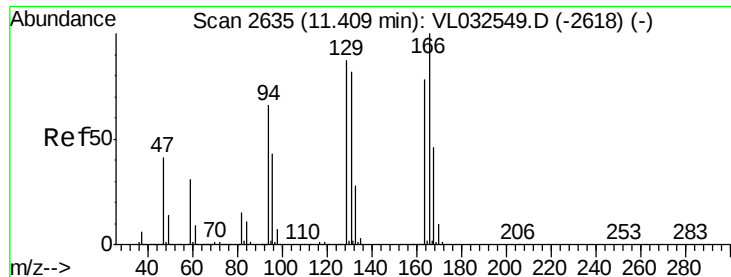


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#52

Tetrachloroethene

Concen: 45.053 ppbv

RT: 11.41 min Scan# 2636

Delta R.T. -0.02 min

Lab File: VL032578.D

Acq: 28 Sep 2018 11:14

Instrument :

MSVOA_L

ClientSampleId :

PSS-1

Tgt Ion:164 Resp: 3609473

Ion Ratio Lower Upper

164 100

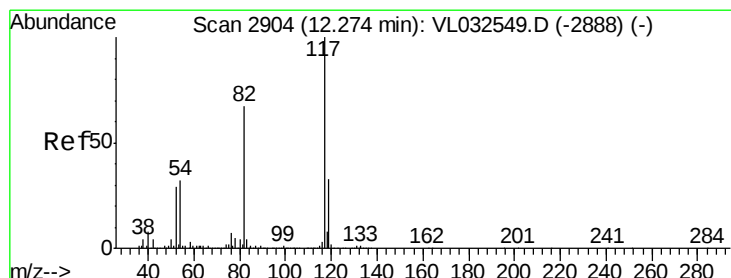
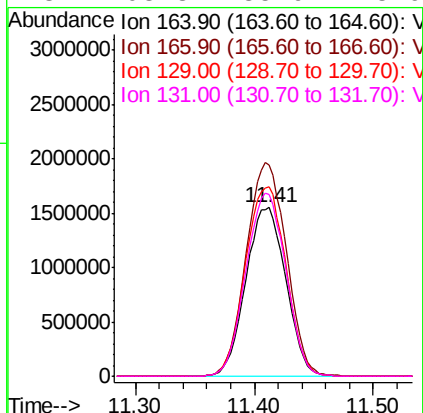
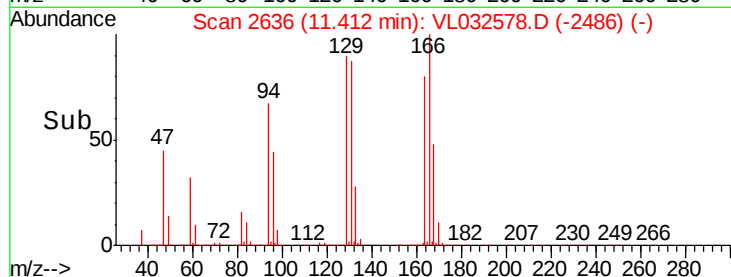
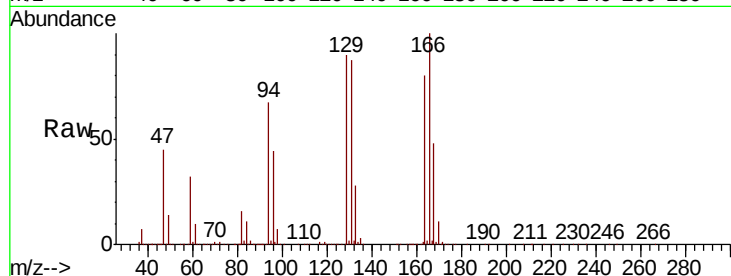
166 125.1 100.6 150.8

129 112.4 89.9 134.9

131 108.3 85.9 128.9

Manual Integrations
APPROVED

MMDadoda
10/1/2018 11:58:05 AM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.27 min Scan# 2904

Delta R.T. -0.02 min

Lab File: VL032578.D

Acq: 28 Sep 2018 11:14

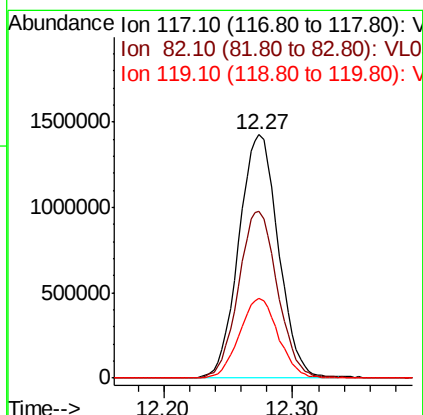
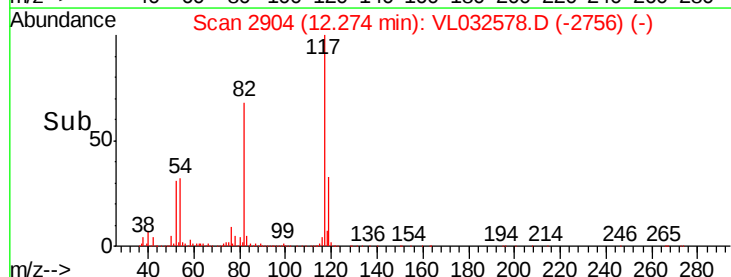
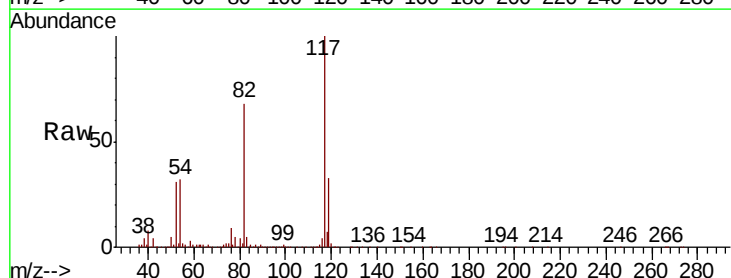
Tgt Ion:117 Resp: 3042727

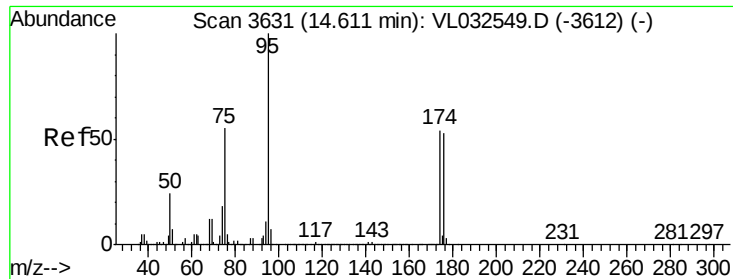
Ion Ratio Lower Upper

117 100

82 68.3 53.0 79.6

119 32.4 45.9 68.9#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.389 ppbv

RT: 14.61 min Scan# 3630

Delta R.T. -0.03 min

Lab File: VL032578.D

Acq: 28 Sep 2018 11:14

Instrument :

MSVOA_L

ClientSampleId :

PSS-1

Tgt Ion: 95 Resp: 2154313

Ion Ratio Lower Upper

95 100

174 58.5 46.3 69.5

175 4.2 3.4 5.0

Manual Integrations
APPROVED

MMDadoda
10/1/2018 11:58:05 AM

