

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050720\
 Data File : VL034976.D
 Acq On : 7 May 2020 20:31
 Operator : SY/AP
 Sample : L2524-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IIA1DL

Manual Integrations
 APPROVED

MMDadoda
 5/8/2020 5:22:48 PM

Quant Time: May 08 05:55:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1026909	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2363413	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2220672	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1829552	10.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.58	45	152591	9.089	ppbv	96
15) Acetone	3.83	43	213601	1.573	ppbv	97
19) Isopropyl Alcohol	3.94	45	1217914	13.452	ppbv	100
20) Methylene Chloride	4.33	84	19043	0.424	ppbv	93
26) Hexane	5.68	57	27591	0.279	ppbv #	44
34) 2-Butanone	5.25	43	42295m	0.288	ppbv	
53) Toluene	9.83	91	37854m	0.183	ppbv	

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

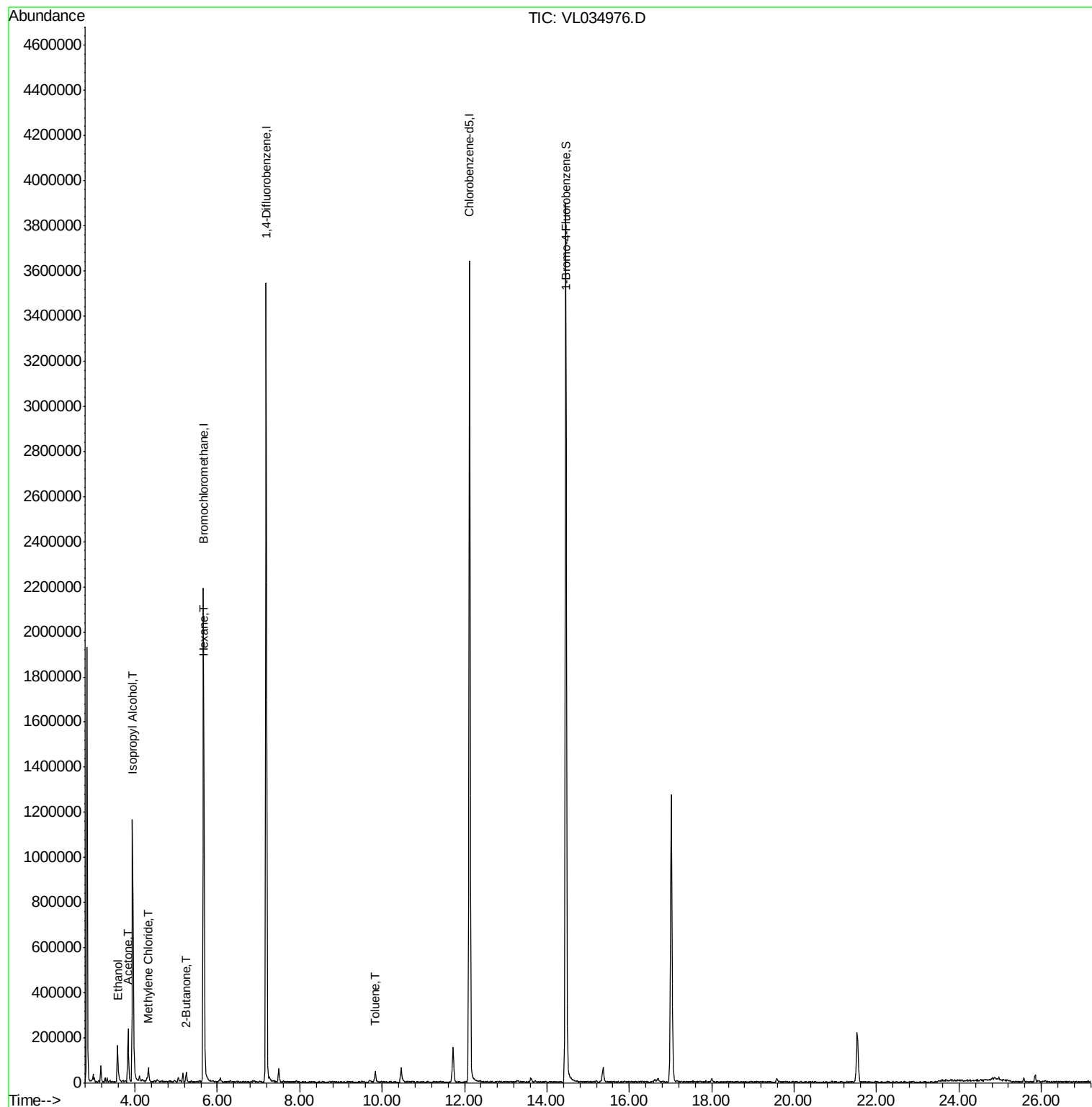
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050720\
Data File : VL034976.D
Acq On : 7 May 2020 20:31
Operator : SY/AP
Sample : L2524-02DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

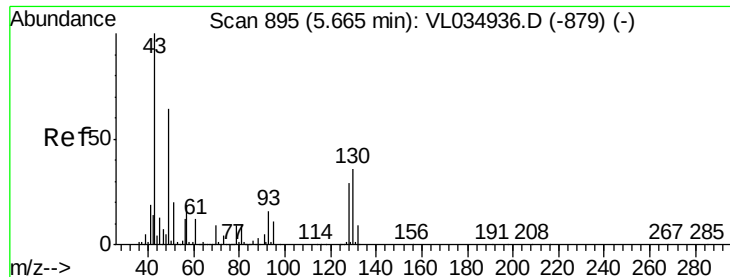
Instrument :
MSVOA_L
ClientSampled :
IIA1DL

Manual Integrations
APPROVED

MMDadoda
5/8/2020 5:22:48 PM

Quant Time: May 08 05:55:47 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

Lab File: VL034976.D

Acq: 7 May 2020 20:31

Instrument :

MSVOA_L

ClientSampleId :

IIA1DL

Tot Ion: 49 Resp: 1026909

Ion Ratio Lower Upper

49 100

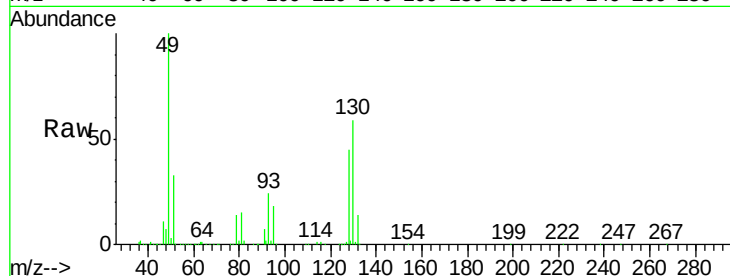
128 46.0 22.1 66.5

130 58.9 29.1 87.3

Manual Integrations
APPROVED

MMDadoda

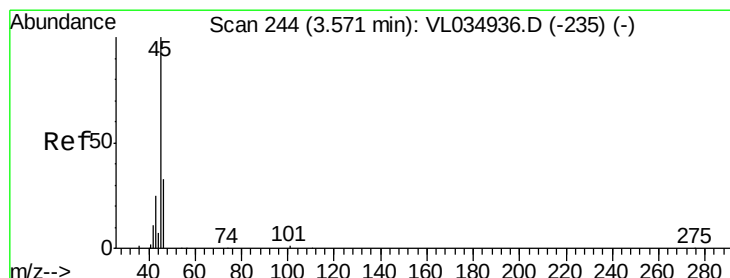
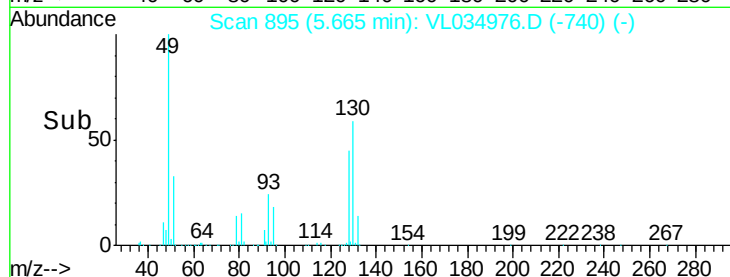
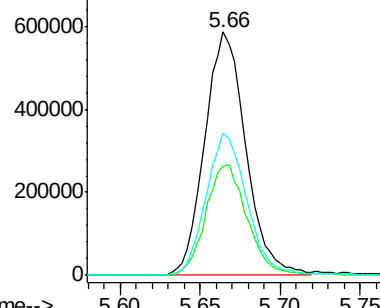
5/8/2020 5:22:48 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#13

Ethanol

Concen: 9.089 ppbv

RT: 3.58 min Scan# 246

Delta R.T. 0.01 min

Lab File: VL034976.D

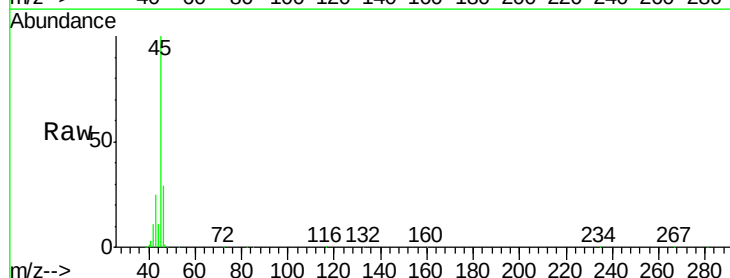
Acq: 7 May 2020 20:31

Tgt Ion: 45 Resp: 152591

Ion Ratio Lower Upper

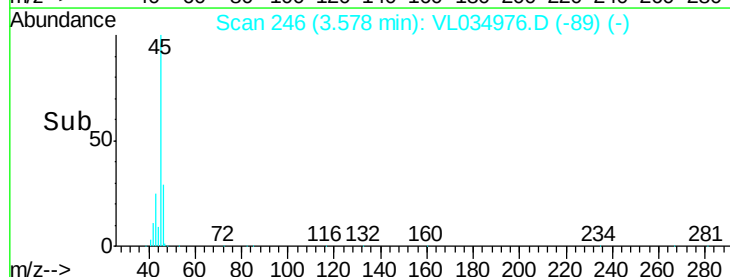
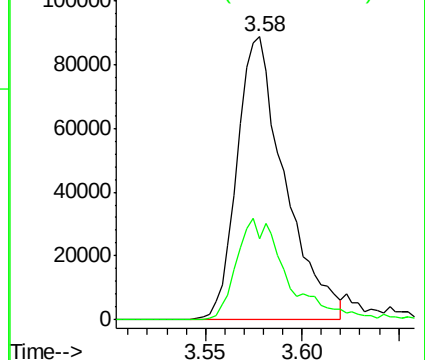
45 100

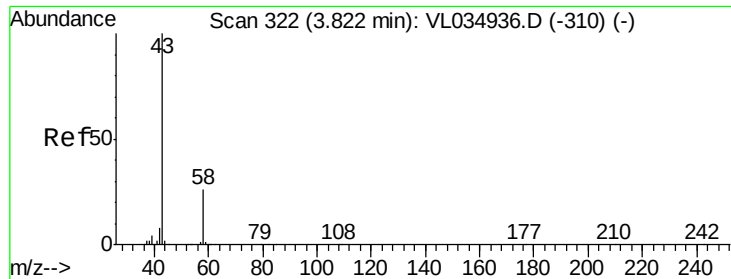
46 38.4 14.3 57.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 1.573 ppbv

RT: 3.83 min Scan# 325

Delta R.T. 0.01 min

Lab File: VL034976.D

Acq: 7 May 2020 20:31

Instrument :

MSVOA_L

ClientSampleId :

IIA1DL

Tot Ion: 43 Resp: 213601

Ion Ratio Lower Upper

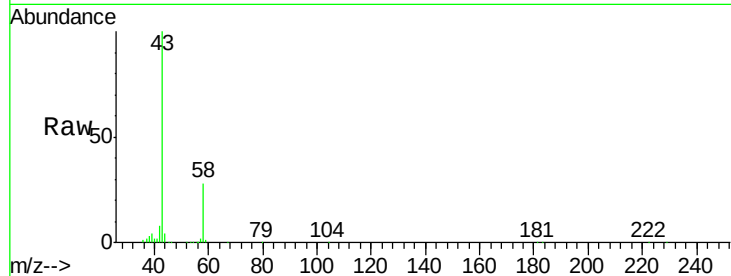
43 100

58 28.4 21.7 32.5

Manual Integrations
APPROVED

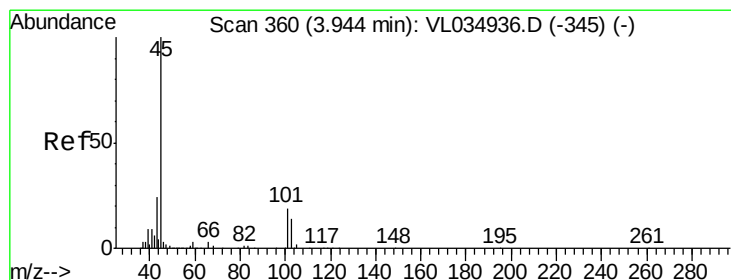
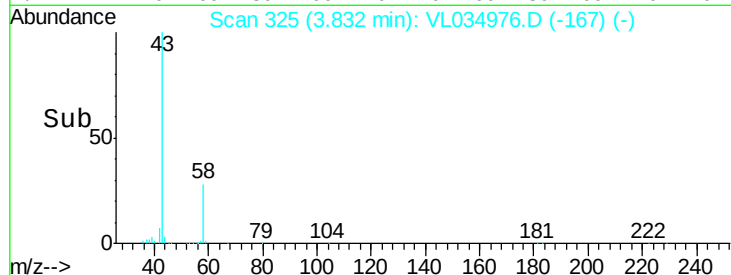
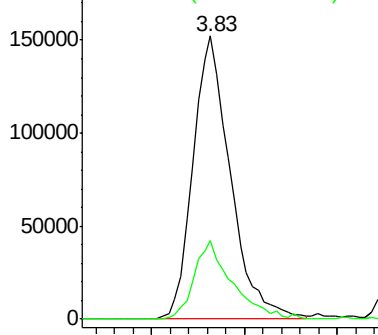
MMDadoda

5/8/2020 5:22:48 PM



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 13.452 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.00 min

Lab File: VL034976.D

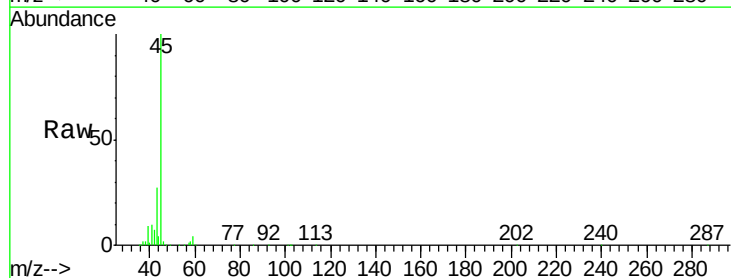
Acq: 7 May 2020 20:31

Tgt Ion: 45 Resp: 1217914

Ion Ratio Lower Upper

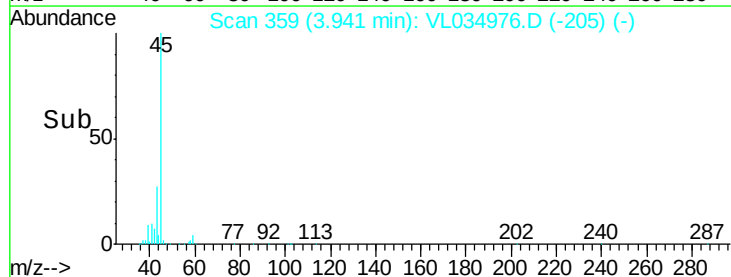
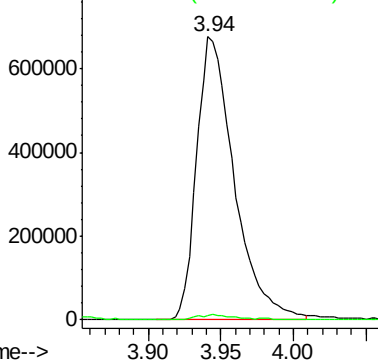
45 100

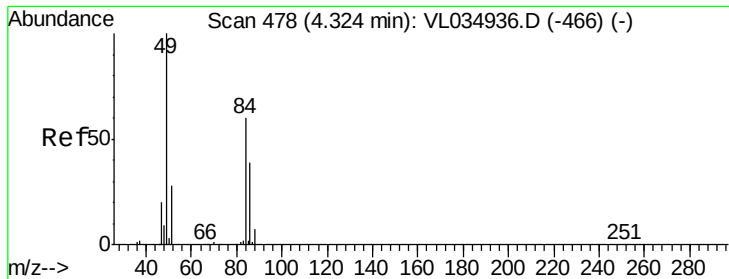
58 2.3 1.7 2.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





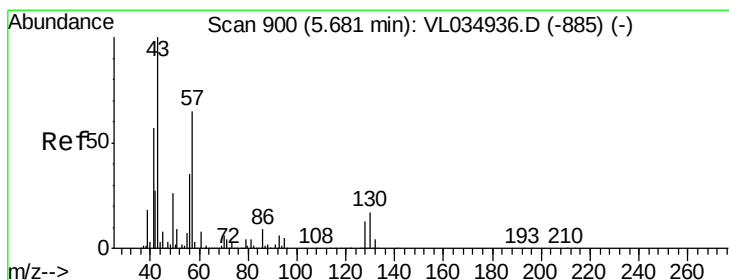
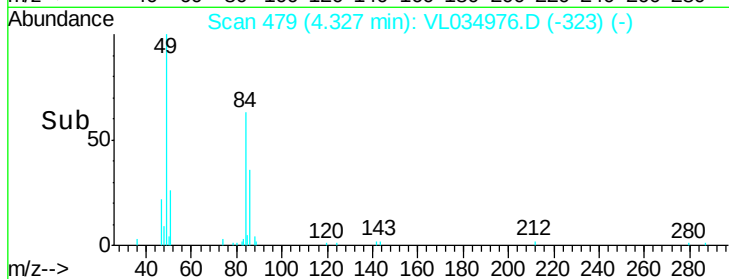
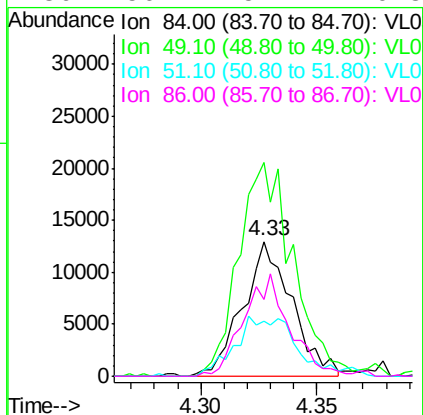
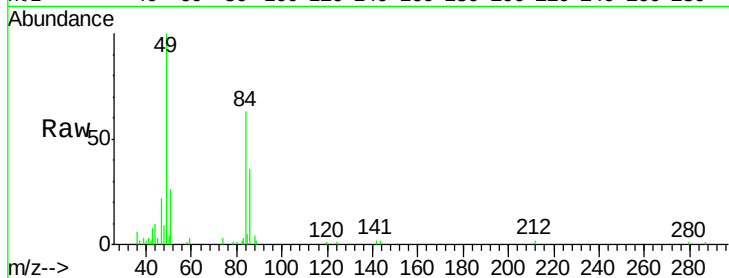
#20
Methvlene Chloride
Concen: 0.424 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL034976.D
Acq: 7 May 2020 20:31

Instrument :
MSVOA_L
ClientSampleId :
IIA1DL

Tot Ion:	84	Resp:	19043
Ion	Ratio	Lower	Upper
84	100		
49	158.4	132.5	198.7
51	40.7	38.4	57.6
86	56.7	51.2	76.8

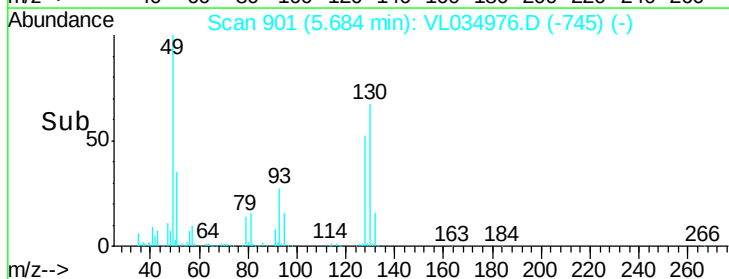
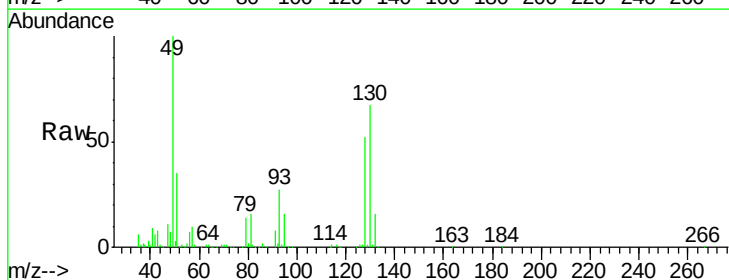
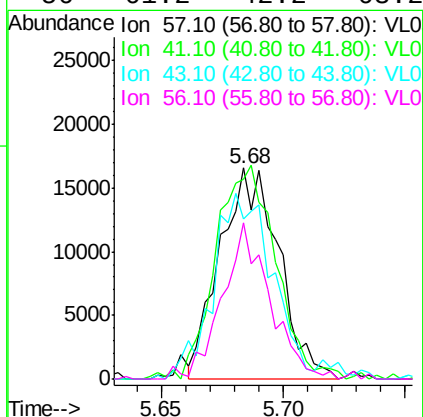
Manual Integrations
APPROVED

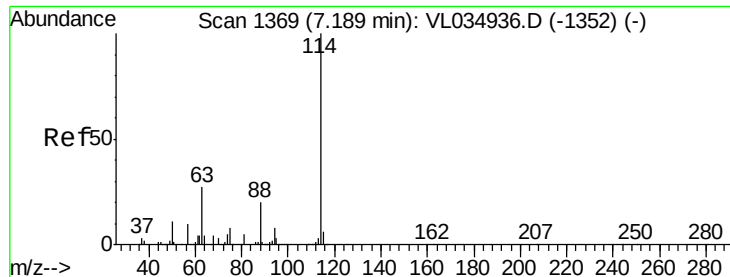
MMDadoda
5/8/2020 5:22:48 PM



#26
Hexane
Concen: 0.279 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL034976.D
Acq: 7 May 2020 20:31

Tgt Ion:	57	Resp:	27591
Ion	Ratio	Lower	Upper
57	100		
41	106.2	72.7	109.1
43	92.7	182.1	273.1#
56	61.2	42.2	63.2





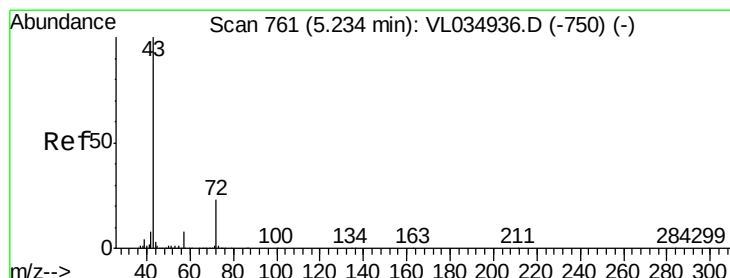
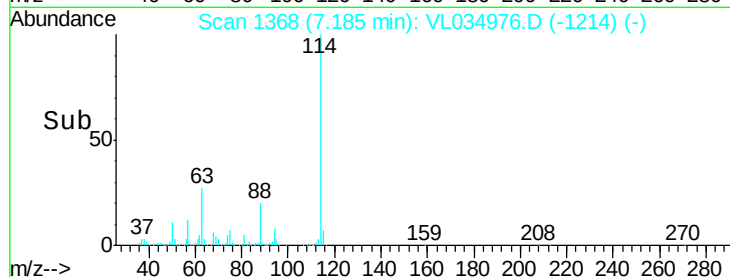
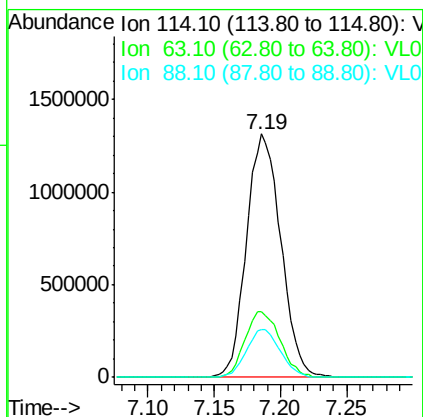
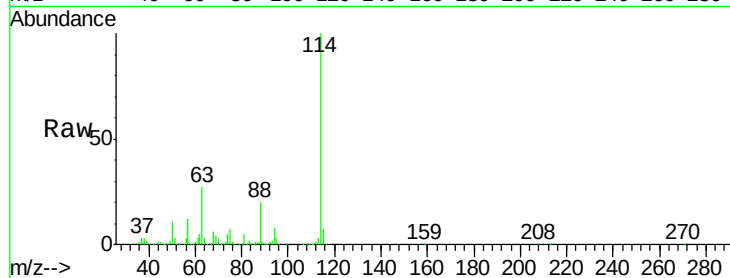
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VL034976.D
 Acq: 7 May 2020 20:31

Instrument :
 MSVOA_L
 ClientSampleId :
 IIA1DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.7	22.2	33.4
88	19.6	15.5	23.3

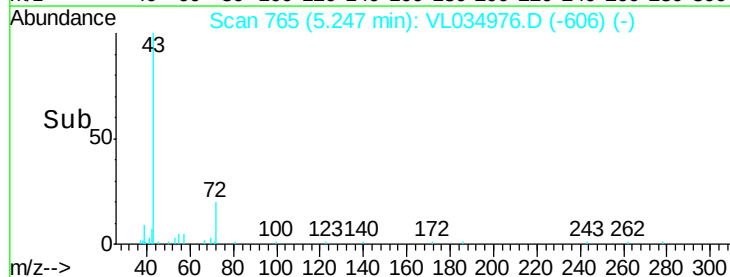
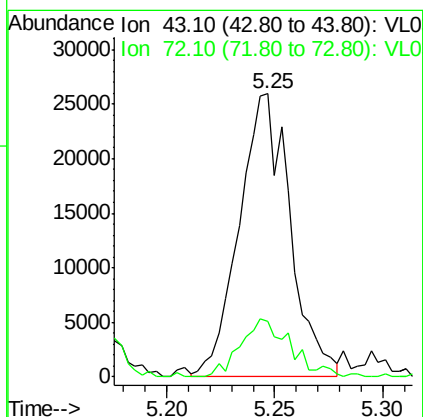
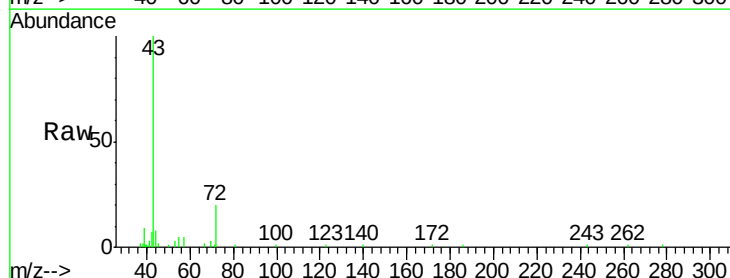
Manual Integrations
 APPROVED

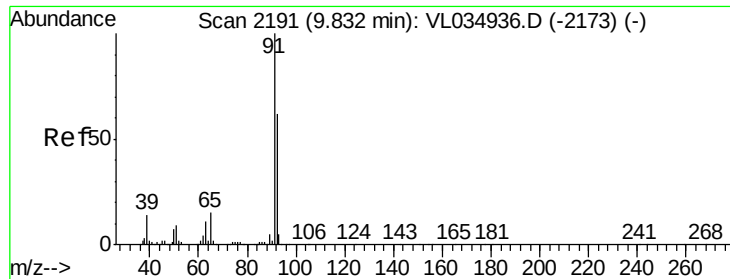
MMDadoda
 5/8/2020 5:22:48 PM



#34
 2-Butanone
 Concen: 0.288 ppbv m
 RT: 5.25 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: VL034976.D
 Acq: 7 May 2020 20:31

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.4	18.0	27.0





#53

Toluene

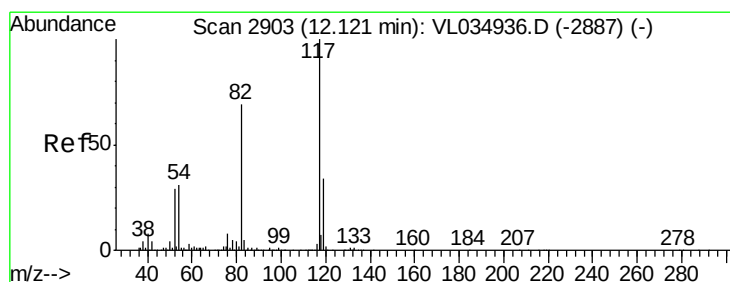
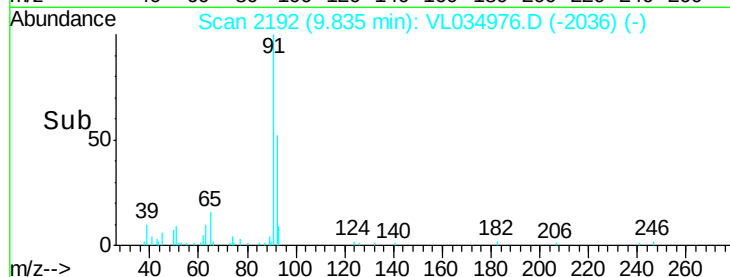
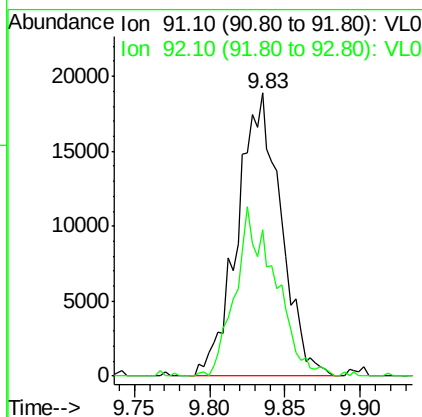
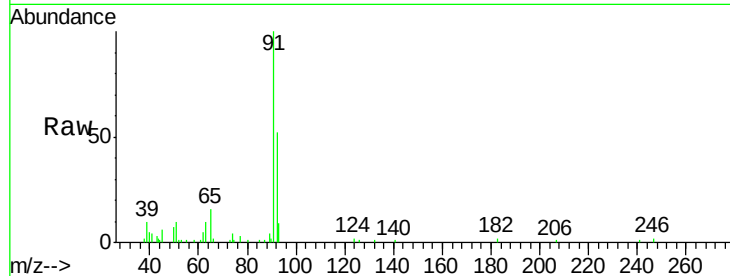
Concen: 0.183 ppbv m
RT: 9.83 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VL034976.D
Acq: 7 May 2020 20:31

Instrument :
MSVOA_L
ClientSampleId :
IIA1DL

Tot Ion: 91 Resp: 37854
Ion Ratio Lower Upper
91 100
92 55.0 48.6 73.0

Manual Integrations
APPROVED

MMDadoda
5/8/2020 5:22:48 PM

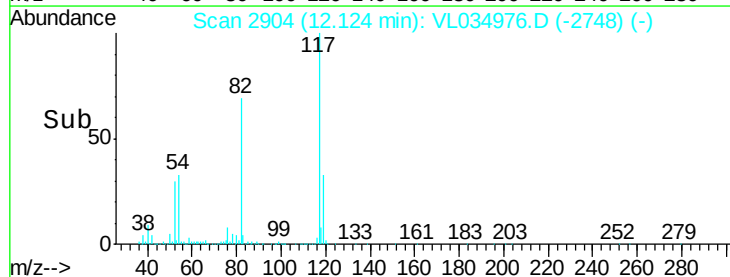
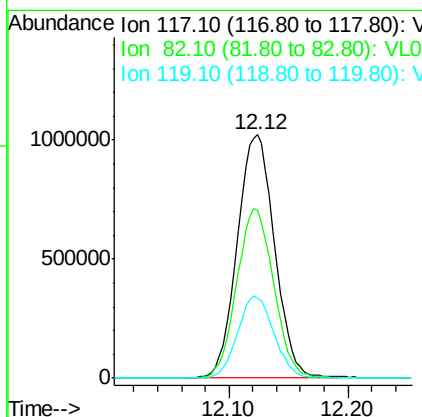
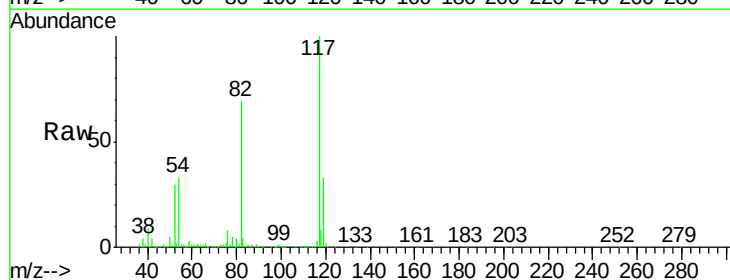


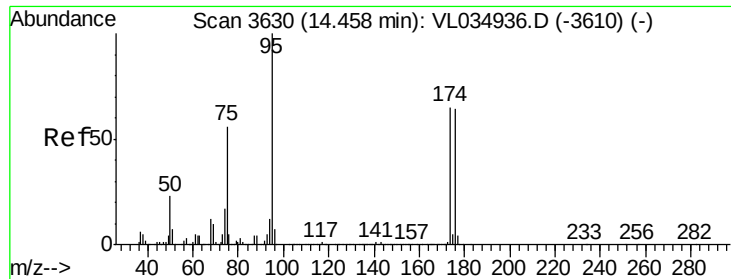
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VL034976.D
Acq: 7 May 2020 20:31

Tgt Ion: 117 Resp: 2220672
Ion Ratio Lower Upper
117 100
82 69.4 53.1 79.7
119 33.0 26.7 40.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.178 ppbv
 RT: 14.46 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VL034976.D
 Acq: 7 May 2020 20:31

Instrument :
 MSVOA_L
 ClientSampleId :
 IIA1DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	64.5	51.5	77.3
175	4.8	3.8	5.8

Manual Integrations
 APPROVED

MMDadoda
 5/8/2020 5:22:48 PM

