

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL050318\
 Data File : VL031976.D
 Acq On : 4 May 2018 00:02
 Operator : SY/AP
 Sample : J2629-06DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA3DL

Manual Integrations
 APPROVED

MMDadoda
 5/4/2018 5:01:11 PM

Quant Time: May 04 04:14:27 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL050318AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 03 15:52:13 2018
 QLast Update : Thu May 03 15:52:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.88	49	1243556	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.42	114	2519046	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2364863	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.73	95	1950613	10.64	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.74	45	412685	25.77	ppbv #	100
15) Acetone	4.01	43	103145	0.59	ppbv	99
19) Isopropyl Alcohol	4.14	45	72939m	0.77	ppbv	
20) Methylene Chloride	4.52	84	52935	0.89	ppbv	89
26) Hexane	5.90	57	32467	0.23	ppbv #	65

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

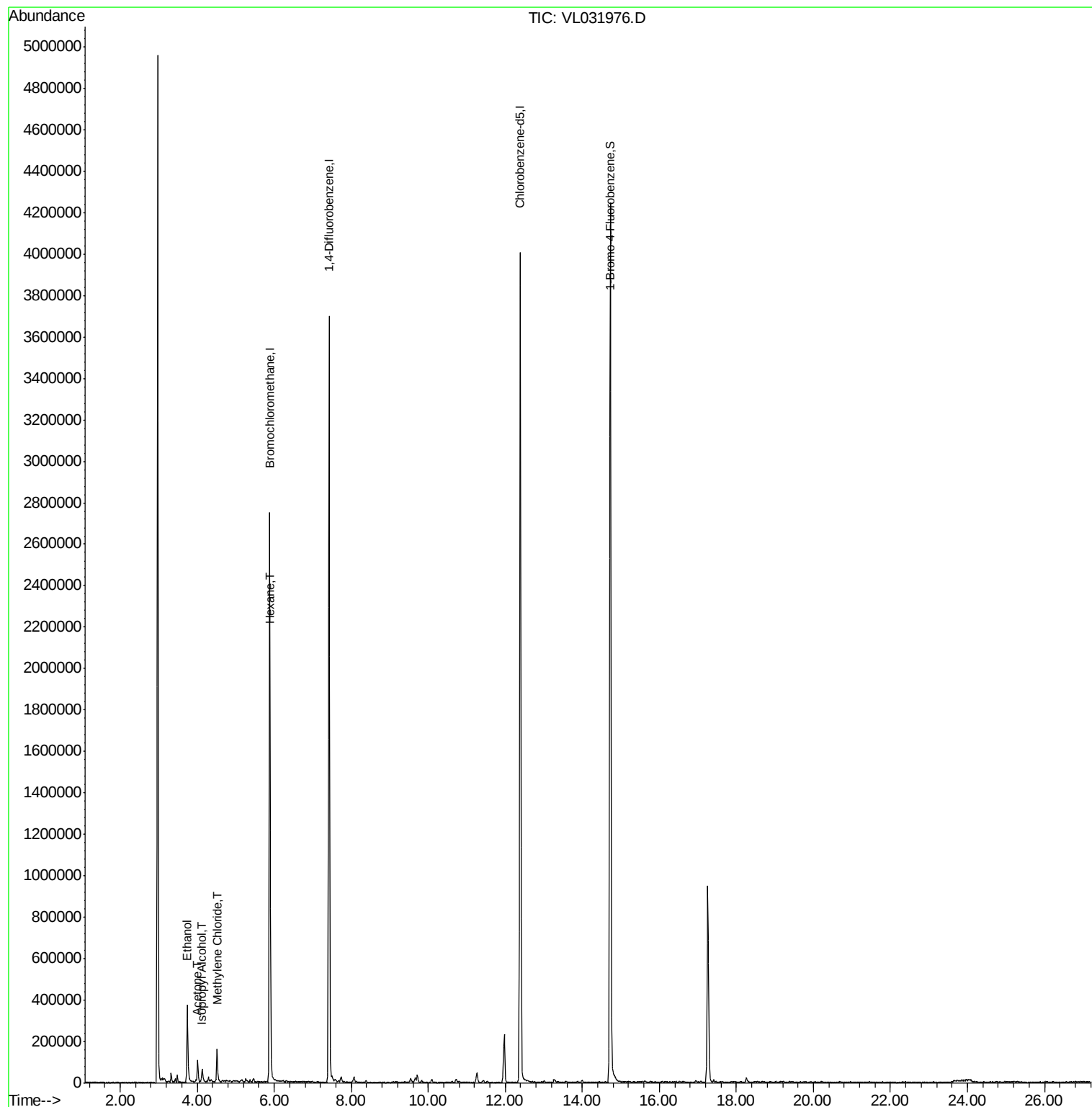
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL050318\
Data File : VL031976.D
Acq On : 4 May 2018 00:02
Operator : SY/AP
Sample : J2629-06DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

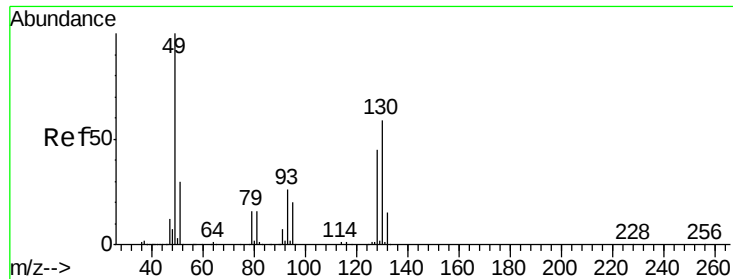
Instrument :
MSVOA_L
ClientSampleId :
IA3DL

Manual Integrations
APPROVED

MMDadoda
5/4/2018 5:01:11 PM

Quant Time: May 04 04:14:27 2018
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May
QLast Update : Thu May 03 15:52:13 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.88 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VL031976.D

Acq: 4 May 2018 00:02

Instrument :

MSVOA_L

ClientSampled :

IA3DL

Tot Ion: 49 Resp: 1243556

Ion Ratio Lower Upper

49 100

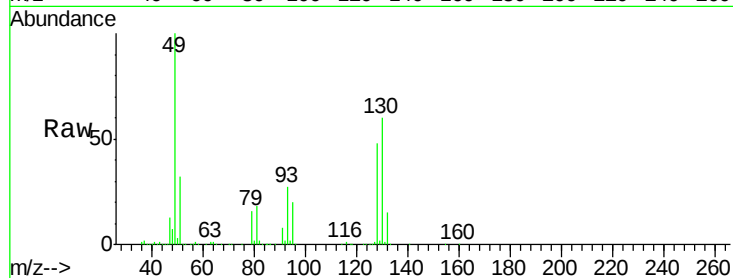
128 48.8 24.1 72.3

130 62.4 30.7 92.1

Manual Integrations
APPROVED

MMDadoda

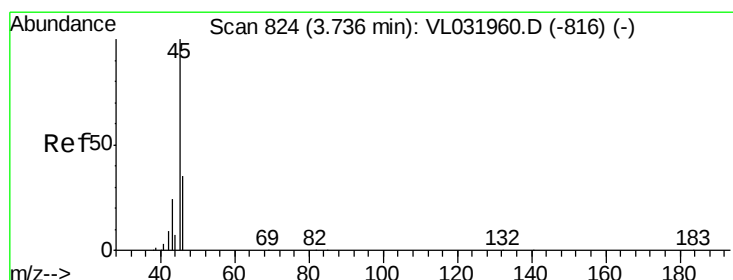
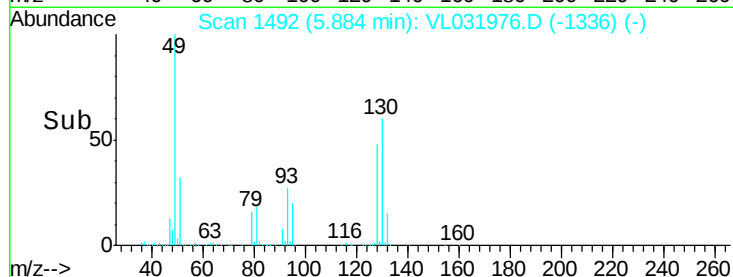
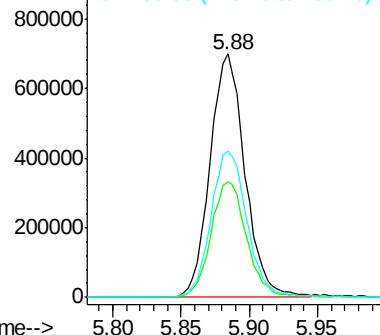
5/4/2018 5:01:11 PM



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: 25.77 ppbv

RT: 3.74 min Scan# 825

Delta R.T. 0.00 min

Lab File: VL031976.D

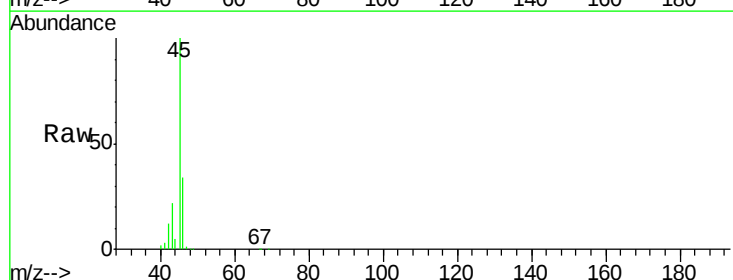
Acq: 4 May 2018 00:02

Tgt Ion: 45 Resp: 412685

Ion Ratio Lower Upper

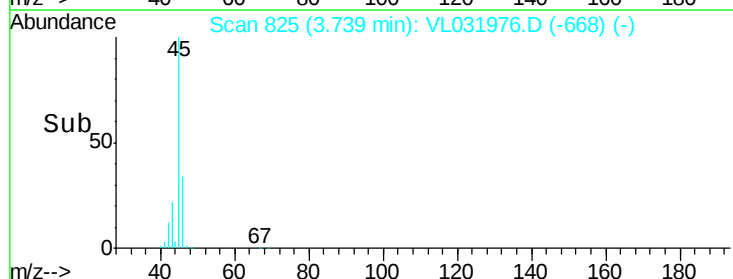
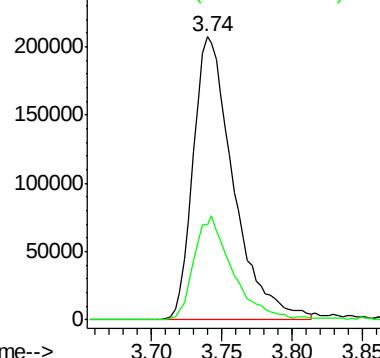
45 100

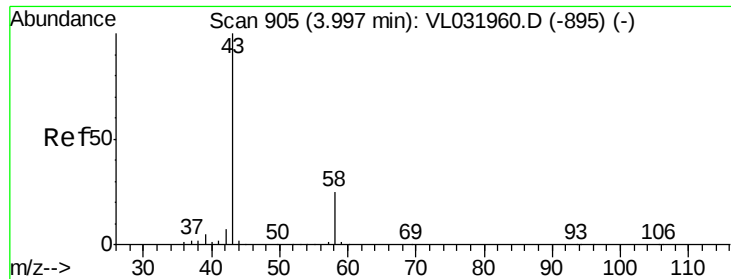
46 36.1 0.0 0.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.59 ppbv

RT: 4.01 min Scan# 908

Delta R.T. 0.01 min

Lab File: VL031976.D

Acq: 4 May 2018 00:02

Instrument :

MSVOA_L

ClientSampleId :

IA3DL

Tot Ion: 43 Resp: 103145

Ion Ratio Lower Upper

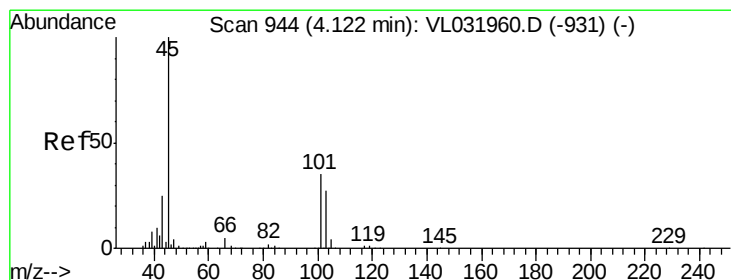
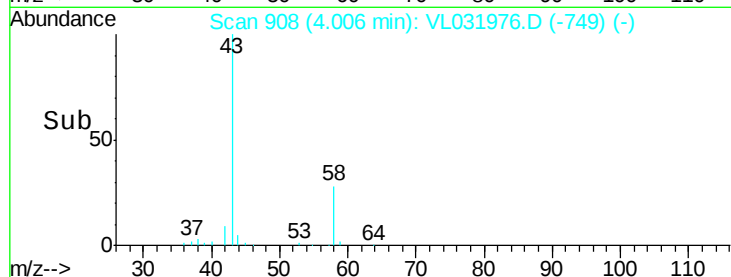
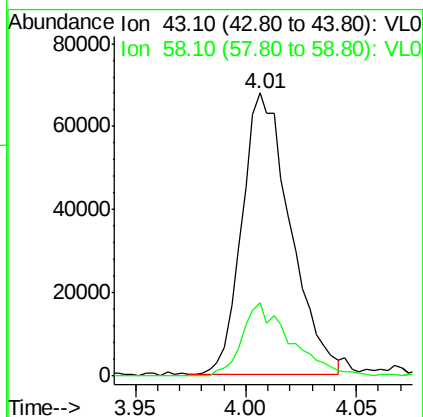
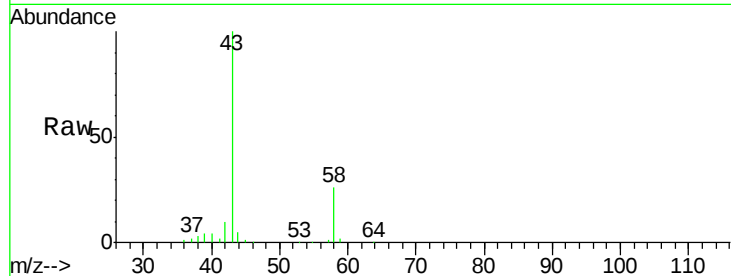
43 100

58 26.8 21.1 31.7

Manual Integrations
APPROVED

MMDadoda

5/4/2018 5:01:11 PM



#19

Isopropyl Alcohol

Concen: 0.77 ppbv m

RT: 4.14 min Scan# 949

Delta R.T. 0.02 min

Lab File: VL031976.D

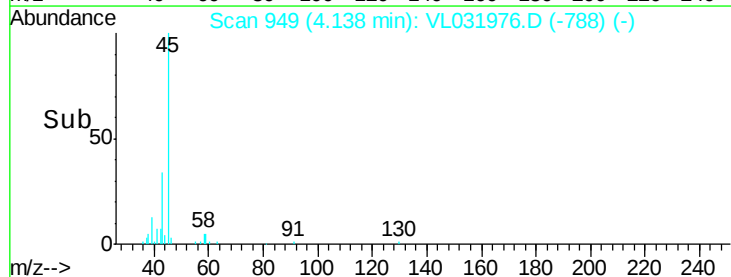
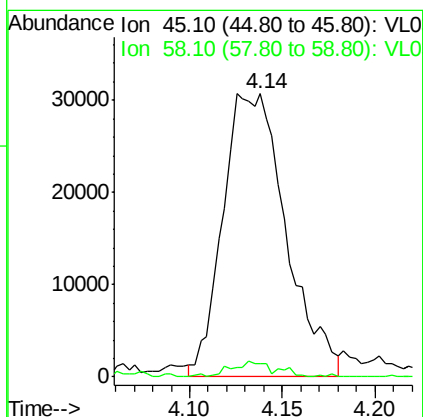
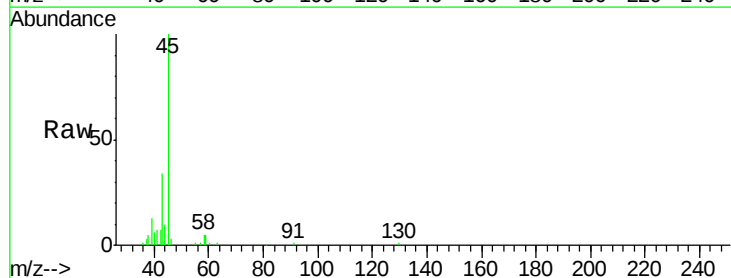
Acq: 4 May 2018 00:02

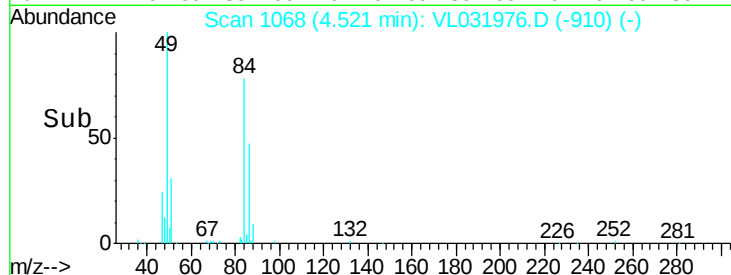
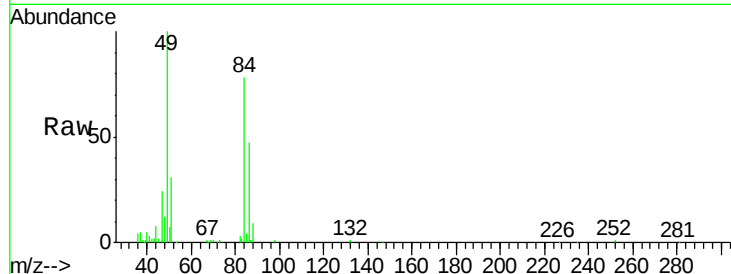
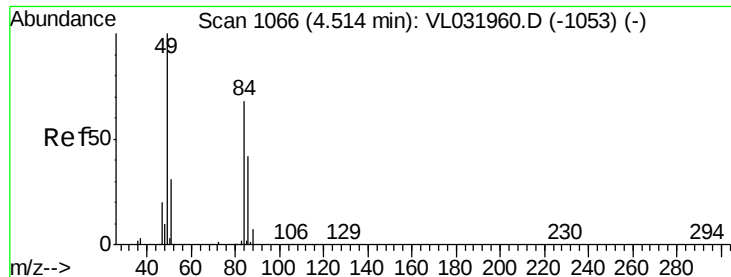
Tgt Ion: 45 Resp: 72939

Ion Ratio Lower Upper

45 100

58 4.0 1.4 2.2#





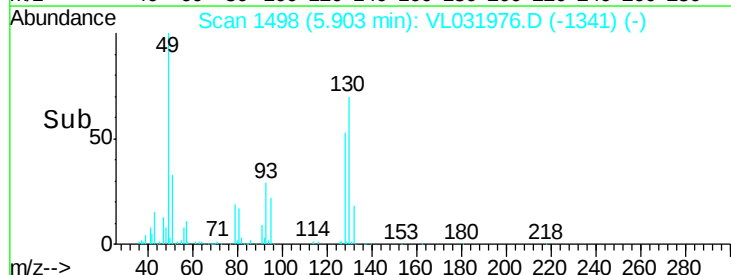
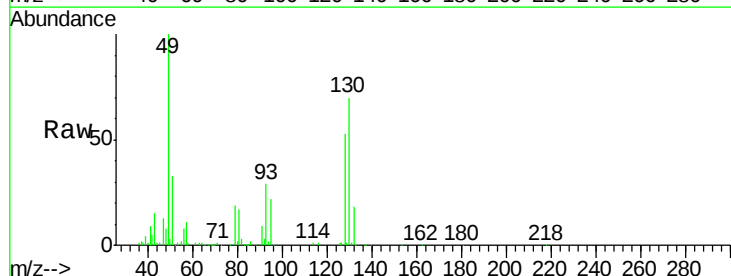
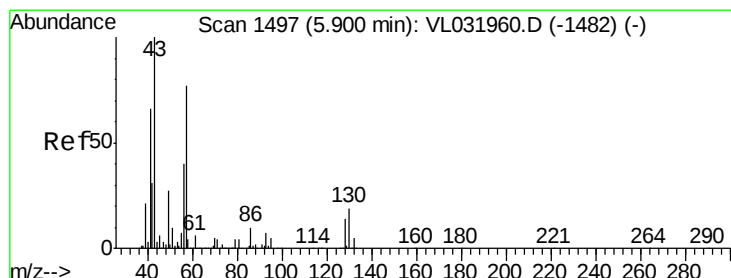
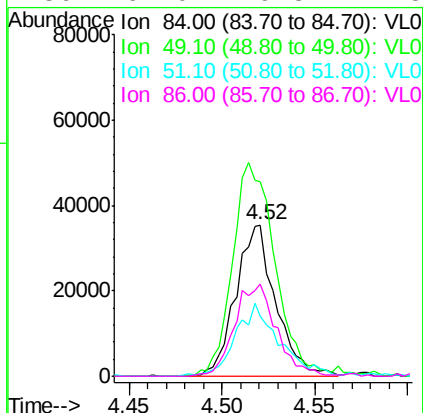
#20
Methvlene Chloride
Concen: 0.89 ppbv
RT: 4.52 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VL031976.D
Acq: 4 May 2018 00:02

Tot Ion	84	Resp	52935
Ion	Ratio	Lower	Upper
84	100		
49	128.2	118.6	178.0
51	38.9	36.6	54.8
86	61.0	49.8	74.8

Instrument :
MSVOA_L
ClientSampled :
IA3DL

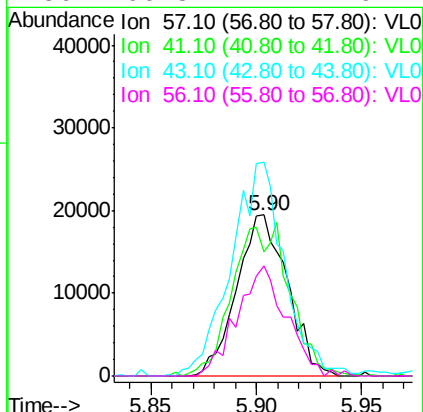
Manual Integrations
APPROVED

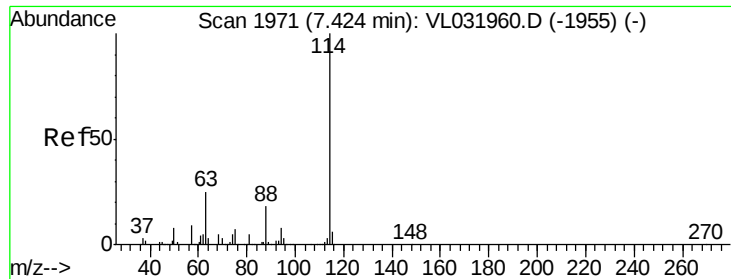
MMDadoda
5/4/2018 5:01:11 PM



#26
Hexane
Concen: 0.23 ppbv
RT: 5.90 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VL031976.D
Acq: 4 May 2018 00:02

Tgt Ion	57	Resp	32467
Ion	Ratio	Lower	Upper
57	100		
41	106.7	71.8	107.6
43	142.1	171.5	257.3#
56	66.8	41.4	62.2#





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.42 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VL031976.D

Acq: 4 May 2018 00:02

Instrument :

MSVOA_L

ClientSampleId :

IA3DL

Tot Ion:114 Resp: 2519046

Ion Ratio Lower Upper

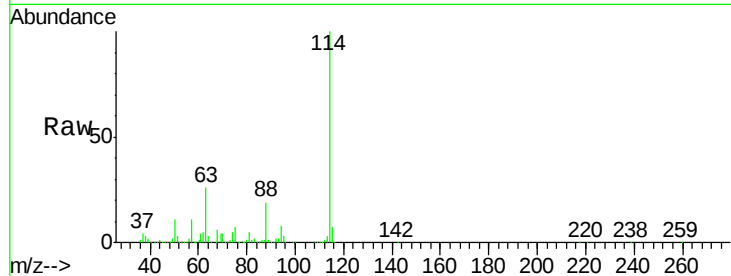
114 100

63 26.6 20.8 31.2

88 18.8 14.6 21.8

Manual Integrations
APPROVED

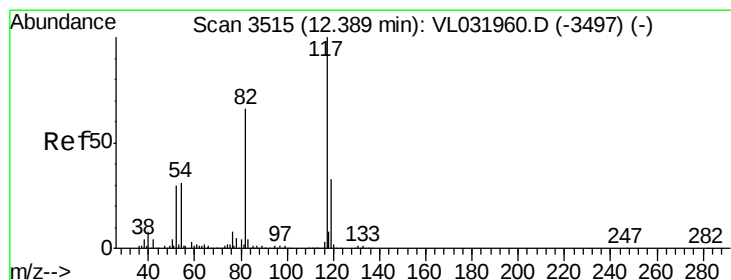
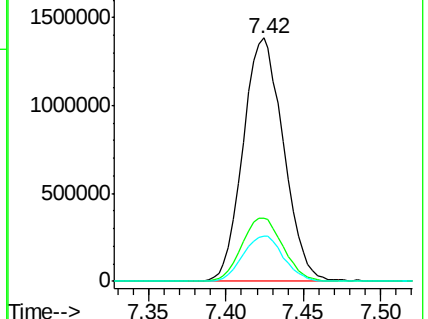
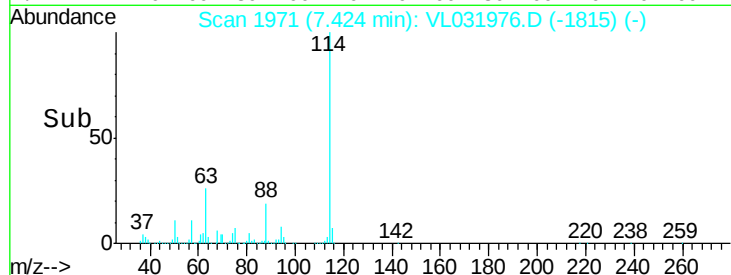
MMDadoda
5/4/2018 5:01:11 PM



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



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.39 min Scan# 3514

Delta R.T. -0.00 min

Lab File: VL031976.D

Acq: 4 May 2018 00:02

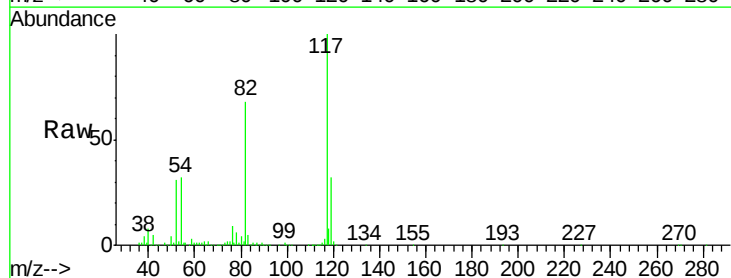
Tgt Ion:117 Resp: 2364863

Ion Ratio Lower Upper

117 100

82 68.8 51.6 77.4

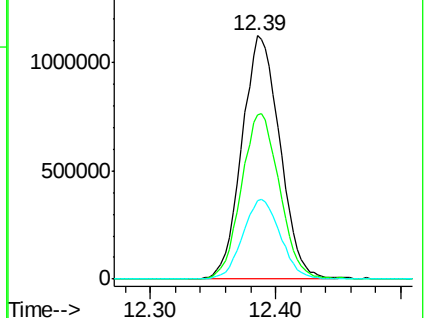
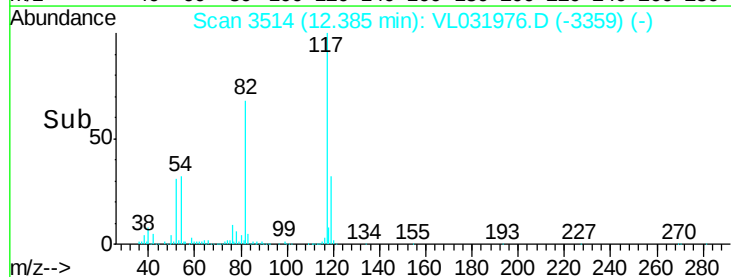
119 32.8 44.2 66.4#

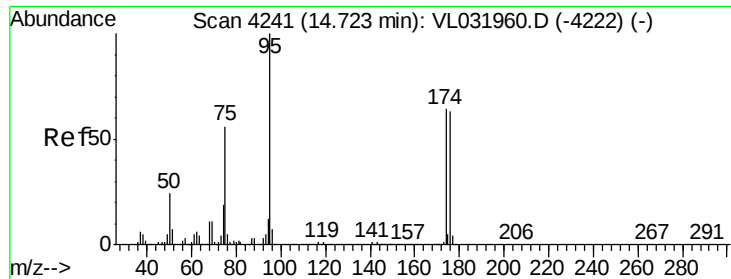


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.64 ppbv
 RT: 14.73 min Scan# 4242
 Delta R.T. 0.00 min
 Lab File: VL031976.D
 Acq: 4 May 2018 00:02

Instrument :
 MSVOA_L
 ClientSampleId :
 IA3DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	66.3	53.0	79.6
175	4.9	3.9	5.9

Manual Integrations
 APPROVED

MMDadoda
 5/4/2018 5:01:11 PM

