

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
 Data File : VL034228.D
 Acq On : 7 Oct 2019 18:57
 Operator : SY/AP
 Sample : K5225-01DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA4DL

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 5:04:54 PM

Quant Time: Oct 09 03:23:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 12:53:31 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1144994	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.21	114	1871768	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1878871	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1690314	10.35	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.97	51	149723	1.115	ppbv	97
13) Ethanol	3.60	45	121142	7.553	ppbv	100
15) Acetone	3.85	43	119065	0.776	ppbv	98
19) Isopropyl Alcohol	3.97	45	39292m	0.416	ppbv	
20) Methylene Chloride	4.35	84	36735	0.830	ppbv #	95
76) 1,4-Dichlorobenzene	17.22	146	119032m	0.744	ppbv	

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

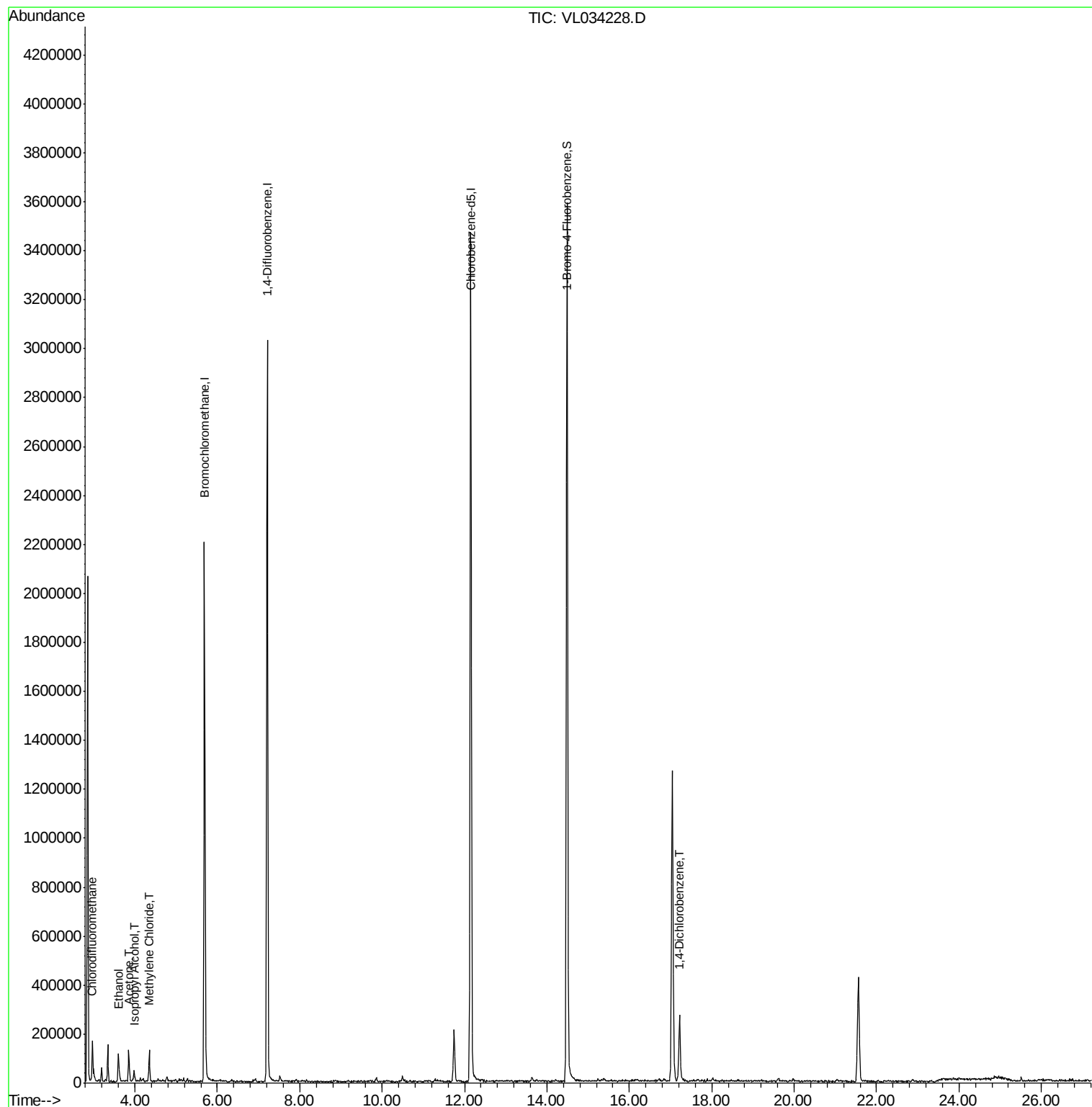
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
Data File : VL034228.D
Acq On : 7 Oct 2019 18:57
Operator : SY/AP
Sample : K5225-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

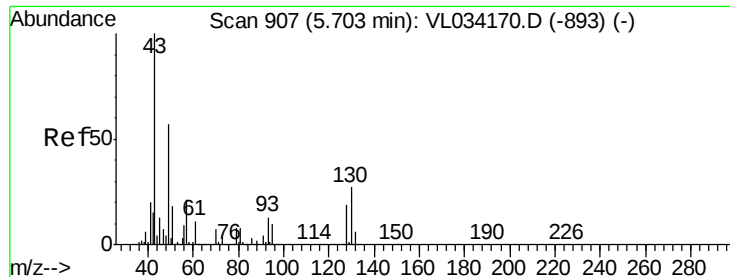
Instrument :
MSVOA_L
ClientSampleId :
IA4DL

Manual Integrations
APPROVED

MMDadoda
10/11/2019 5:04:54 PM

Quant Time: Oct 09 03:23:21 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.02 min

Lab File: VL034228.D

Acq: 7 Oct 2019 18:57

Instrument :

MSVOA_L

ClientSampled :

IA4DL

Tgt Ion: 49 Resp: 1144994

Ion Ratio Lower Upper

49 100

128 34.4 17.6 52.9

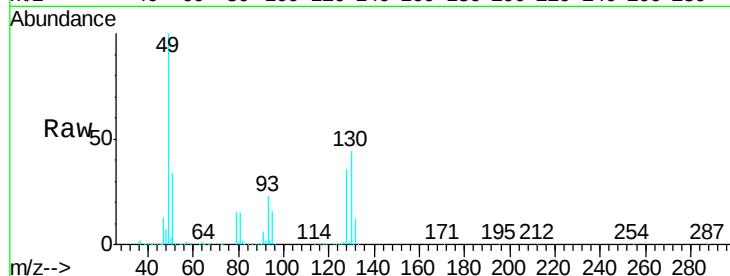
130 44.5 22.3 66.9

Manual Integrations

APPROVED

MMDadoda

10/11/2019 5:04:54 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

5.69

800000

600000

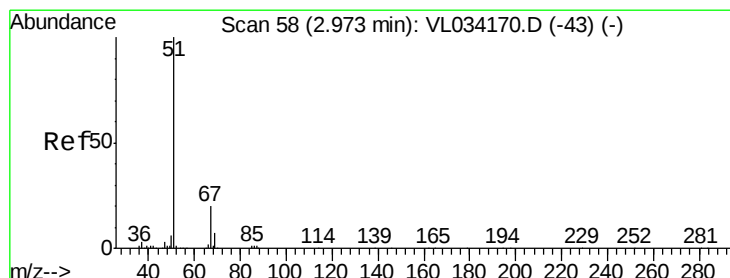
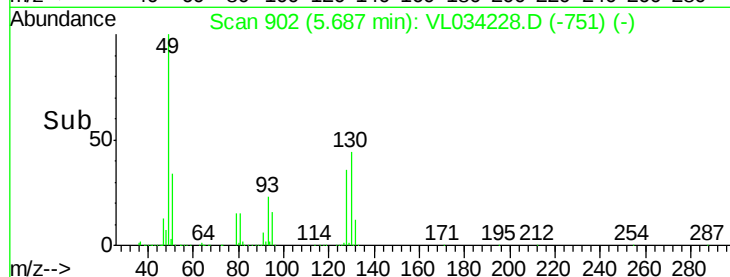
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#3

Chlorodifluoromethane

Concen: 1.115 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL034228.D

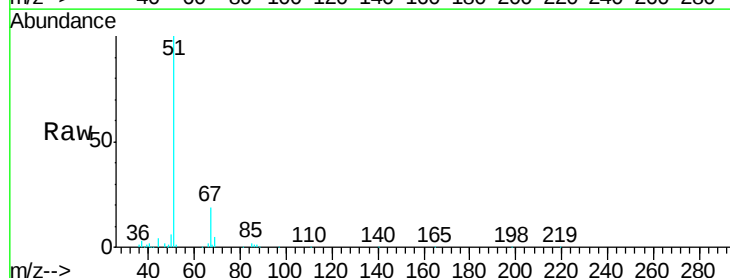
Acq: 7 Oct 2019 18:57

Tgt Ion: 51 Resp: 149723

Ion Ratio Lower Upper

51 100

67 17.3 14.8 22.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

120000

100000

80000

60000

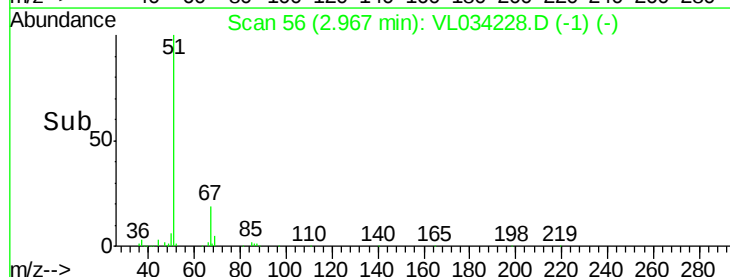
40000

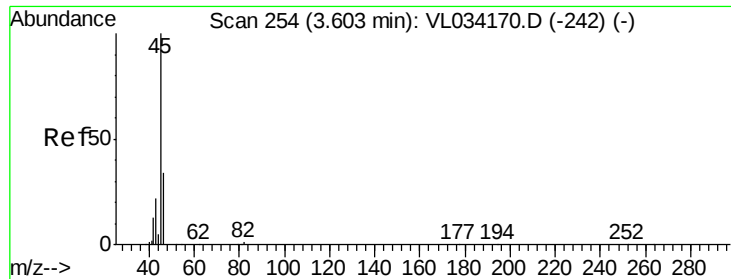
20000

0

2.90 3.00 3.10

Time-->





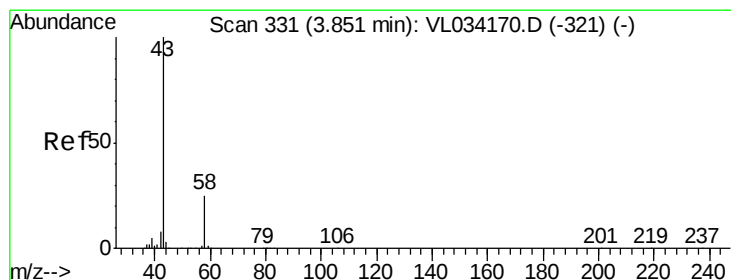
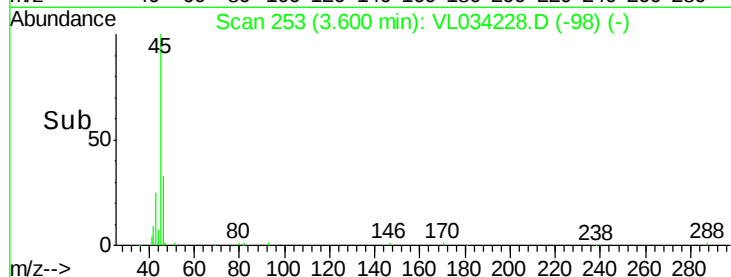
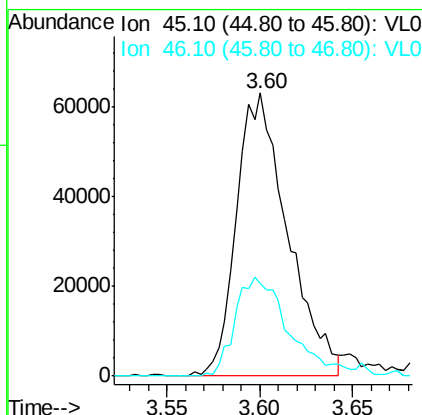
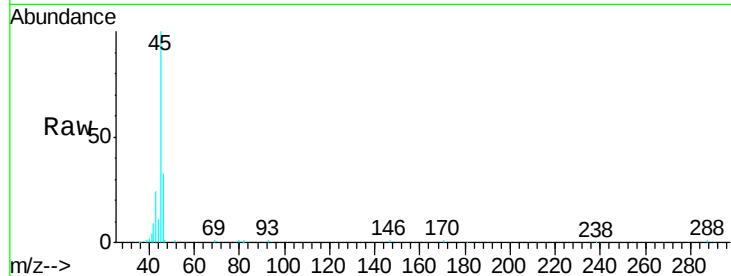
#13
Ethanol
Concen: 7.553 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL034228.D
Acq: 7 Oct 2019 18:57

Instrument :
MSVOA_L
ClientSampled :
IA4DL

Tgt Ion	Ratio	Lower	Upper
45	100		
46	39.0	15.5	61.9

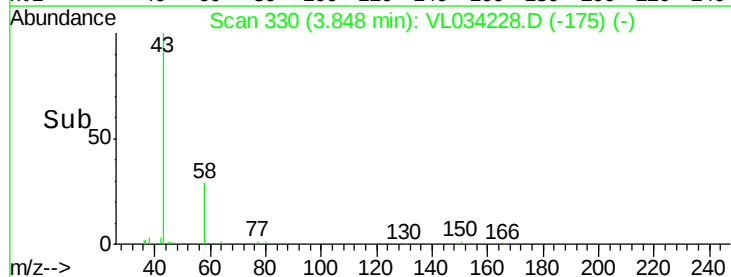
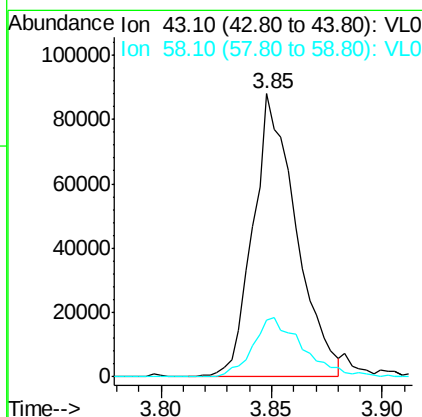
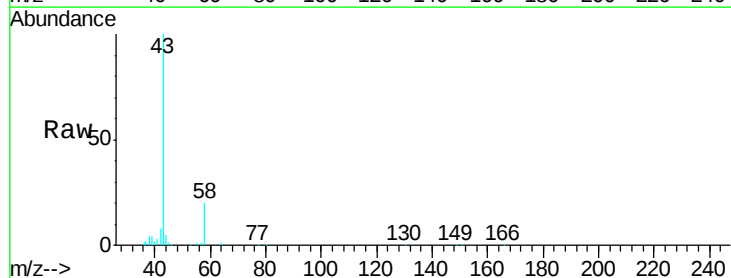
Manual Integrations
APPROVED

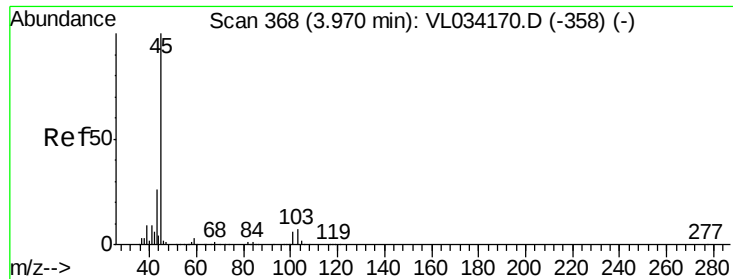
MMDadoda
10/11/2019 5:04:54 PM



#15
Acetone
Concen: 0.776 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL034228.D
Acq: 7 Oct 2019 18:57

Tgt Ion	Ratio	Lower	Upper
43	100		
58	24.5	20.5	30.7





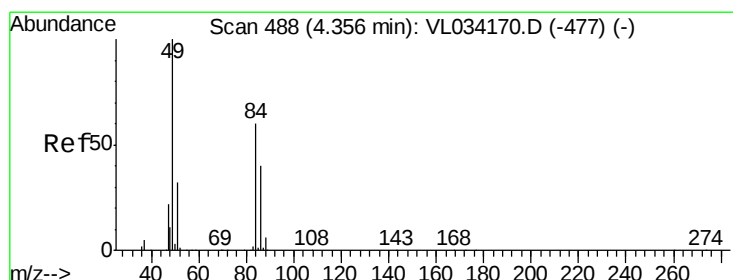
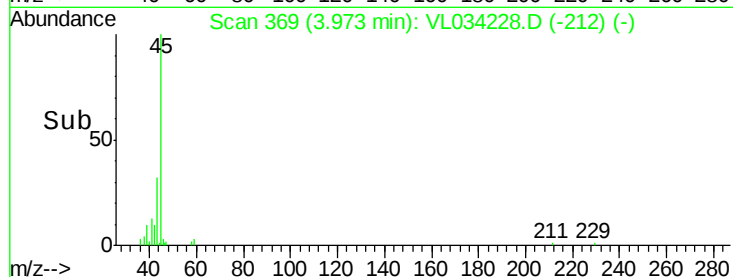
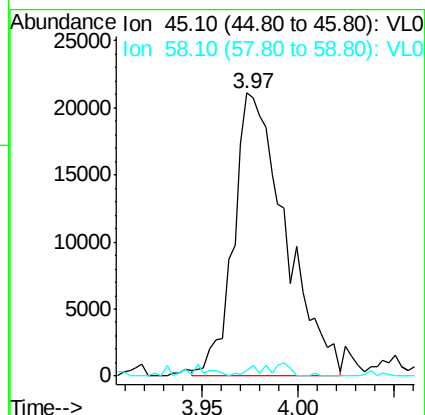
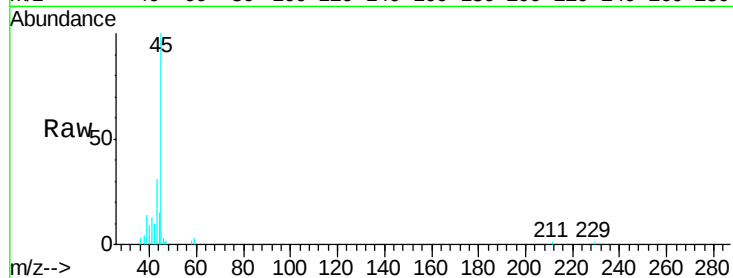
#19
Isopropyl Alcohol
Concen: 0.416 ppbv m
RT: 3.97 min Scan# 369
Delta R.T. 0.00 min
Lab File: VL034228.D
Acq: 7 Oct 2019 18:57

Instrument :
MSVOA_L
ClientSampleId :
IA4DL

Tgt Ion: 45 Resp: 39292
Ion Ratio Lower Upper
45 100
58 2.5 1.4 2.0#

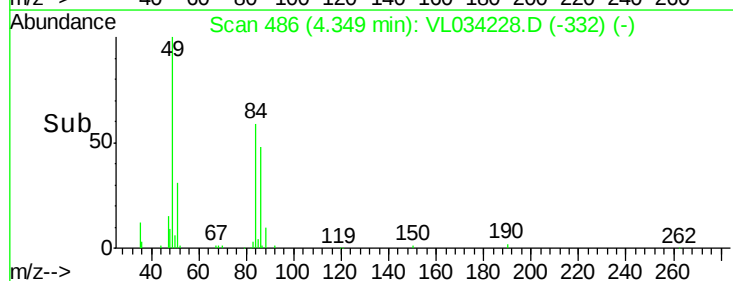
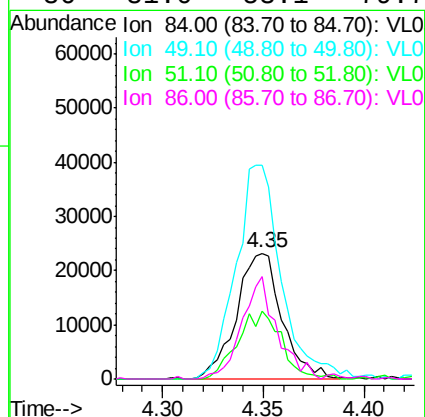
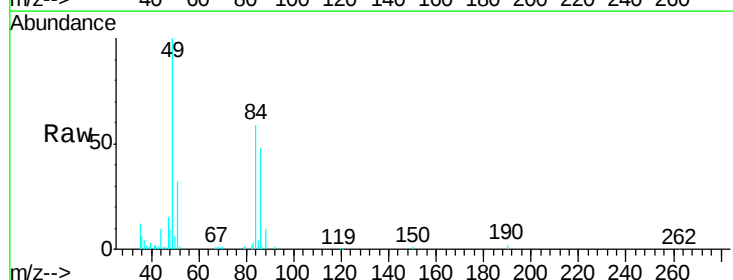
Manual Integrations
APPROVED

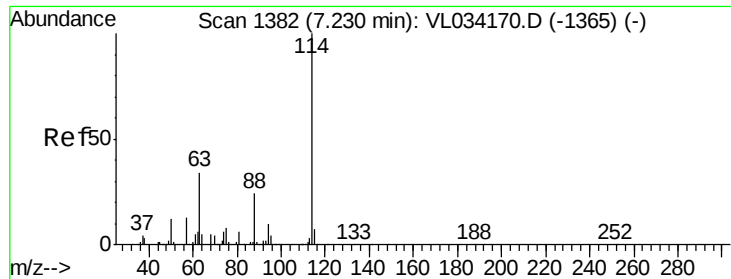
MMDadoda
10/11/2019 5:04:54 PM



#20
Methylene Chloride
Concen: 0.830 ppbv
RT: 4.35 min Scan# 486
Delta R.T. -0.01 min
Lab File: VL034228.D
Acq: 7 Oct 2019 18:57

Tgt Ion: 84 Resp: 36735
Ion Ratio Lower Upper
84 100
49 169.4 133.8 200.8
51 54.3 43.6 65.4
86 81.0 53.1 79.7#





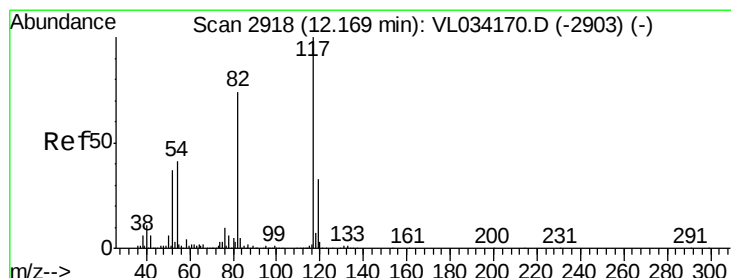
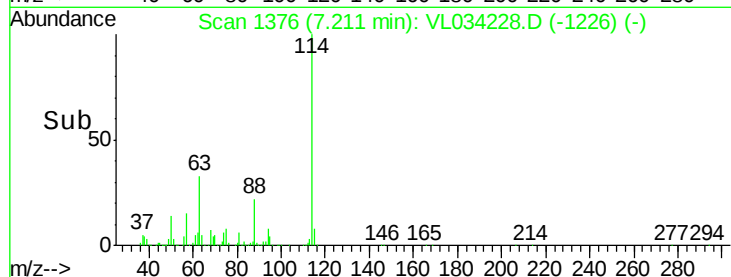
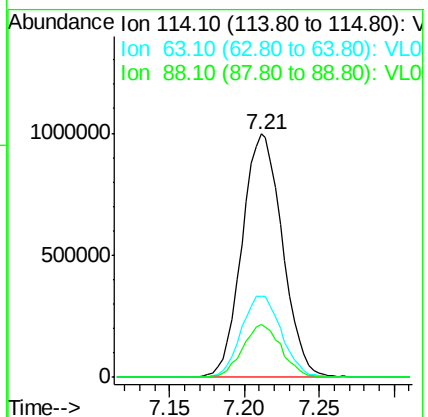
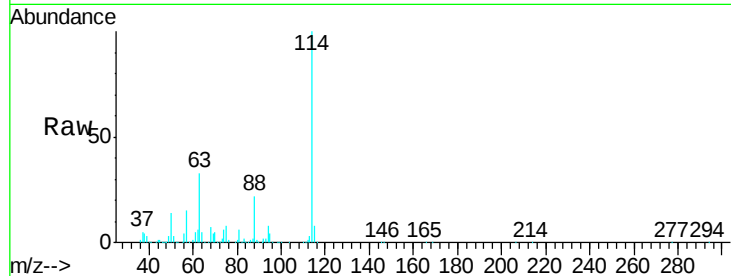
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1376
Delta R.T. -0.02 min
Lab File: VL034228.D
Acq: 7 Oct 2019 18:57

Instrument :
MSVOA_L
ClientSampleId :
IA4DL

Tgt Ion:114 Resp: 1871768
Ion Ratio Lower Upper
114 100
63 33.7 27.8 41.6
88 20.9 17.1 25.7

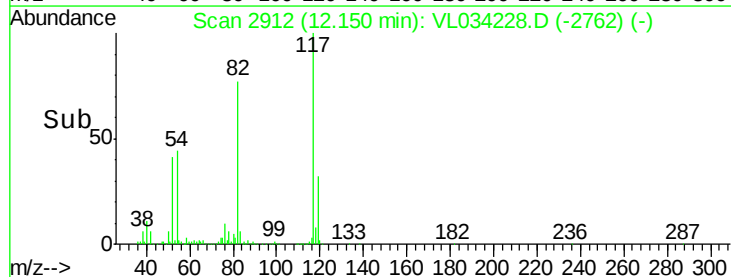
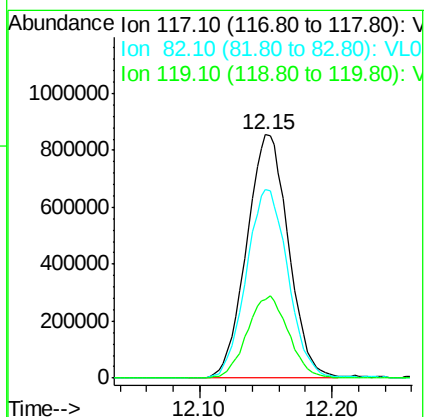
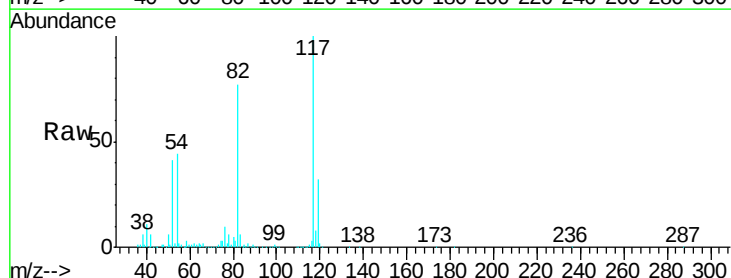
Manual Integrations
APPROVED

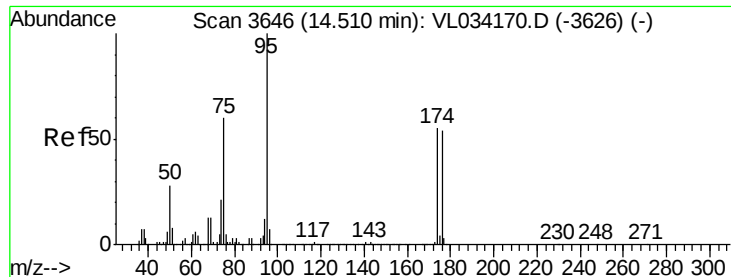
MMDadoda
10/11/2019 5:04:54 PM



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.02 min
Lab File: VL034228.D
Acq: 7 Oct 2019 18:57

Tgt Ion:117 Resp: 1878871
Ion Ratio Lower Upper
117 100
82 78.3 58.2 87.4
119 33.4 23.7 35.5





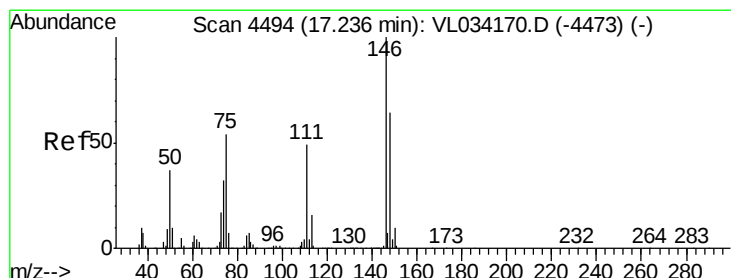
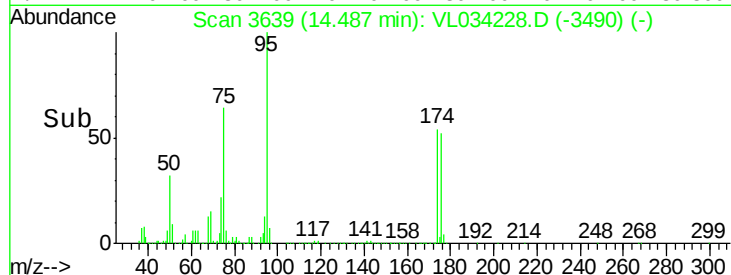
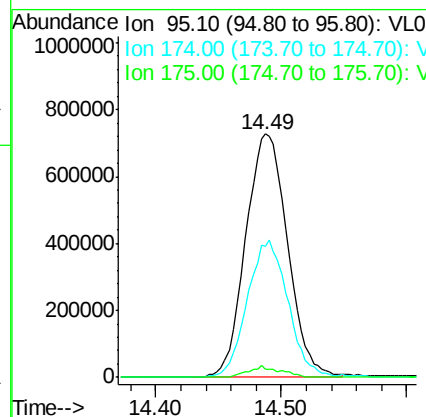
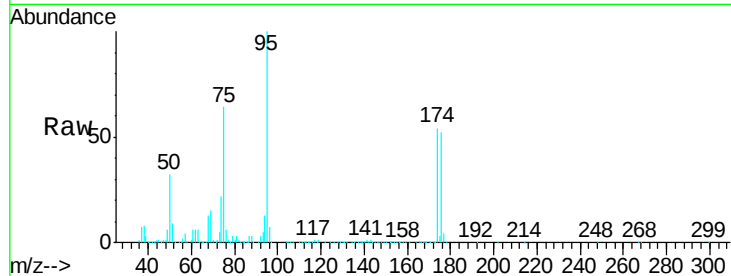
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.353 ppbv
 RT: 14.49 min Scan# 3639
 Delta R.T. -0.02 min
 Lab File: VL034228.D
 Acq: 7 Oct 2019 18:57

Instrument :
 MSVOA_L
 ClientSampleID :
 IA4DL

Tgt Ion: 95 Resp: 1690314
 Ion Ratio Lower Upper
 95 100
 174 55.6 45.1 67.7
 175 3.8 3.3 4.9

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 5:04:54 PM



#76
 1,4-Dichlorobenzene
 Concen: 0.744 ppbv m
 RT: 17.22 min Scan# 4490
 Delta R.T. -0.01 min
 Lab File: VL034228.D
 Acq: 7 Oct 2019 18:57

Tgt Ion: 146 Resp: 119032
 Ion Ratio Lower Upper
 146 100
 111 50.3 24.6 74.0
 148 66.1 32.4 97.0

