

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121719\
 Data File : VL034500.D
 Acq On : 17 Dec 2019 19:52
 Operator : SY/AP
 Sample : K6319-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LIHA-IAH-DUPDL

Manual Integrations
 APPROVED

MMDadoda
 12/19/2019 3:47:26 PM

Quant Time: Dec 18 05:24:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	971992	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1914811	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1905327	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1626017	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	13615m	0.253	ppbv	
13) Ethanol	3.58	45	813451	54.237	ppbv	95
15) Acetone	3.84	43	115966	0.833	ppbv	99
19) Isopropyl Alcohol	3.96	45	18428m	0.207	ppbv	
20) Methylene Chloride	4.33	84	16040m	0.325	ppbv	

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

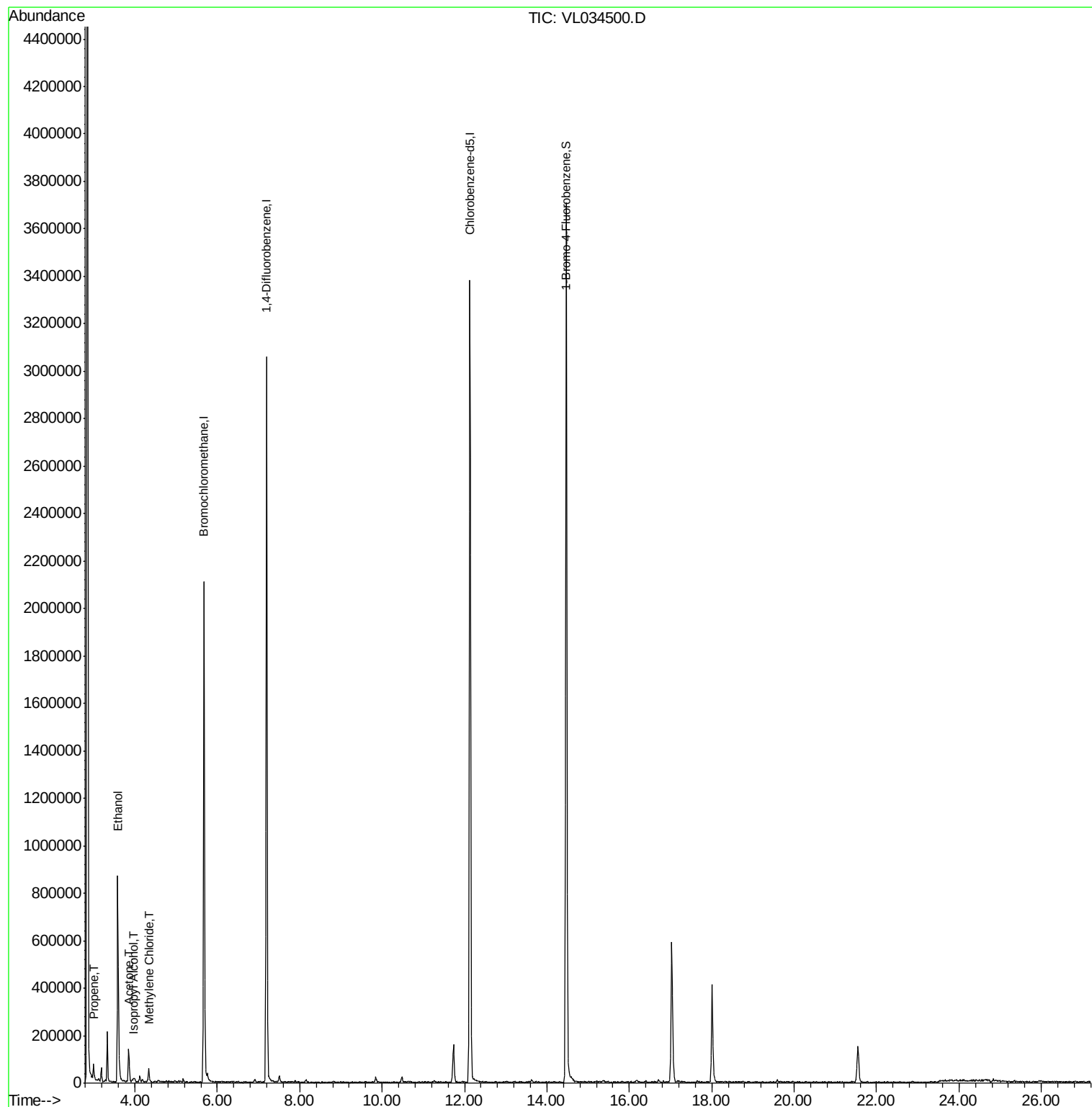
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121719\
Data File : VL034500.D
Acq On : 17 Dec 2019 19:52
Operator : SY/AP
Sample : K6319-02DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

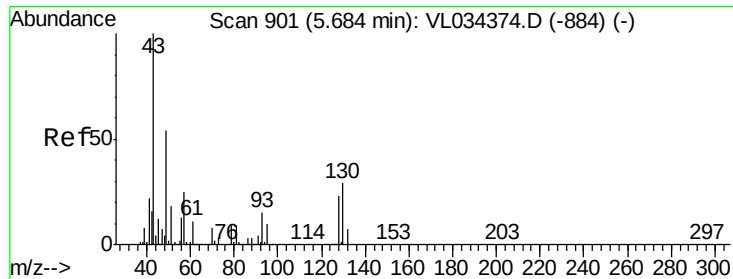
Instrument :
MSVOA_L
ClientSampleId :
LIHA-IAH-DUPDL

Manual Integrations
APPROVED

MMDadoda
12/19/2019 3:47:26 PM

Quant Time: Dec 18 05:24:19 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL034500.D

Acq: 17 Dec 2019 19:52

Instrument :

MSVOA_L

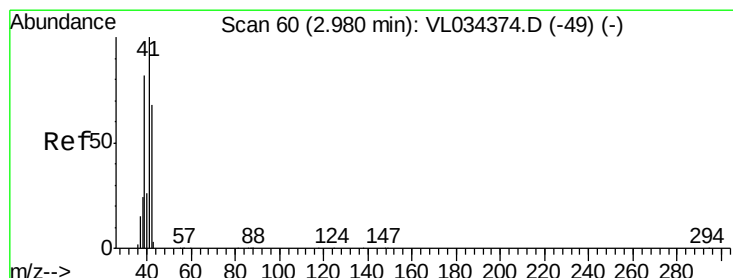
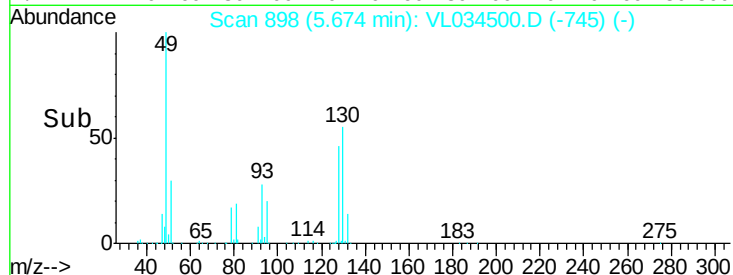
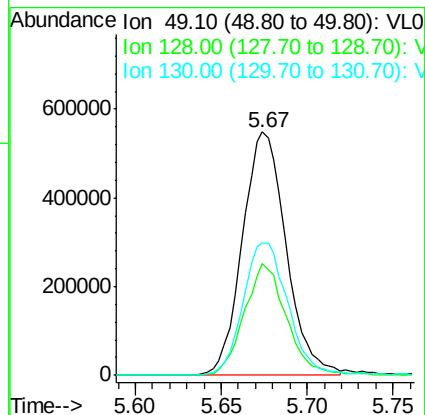
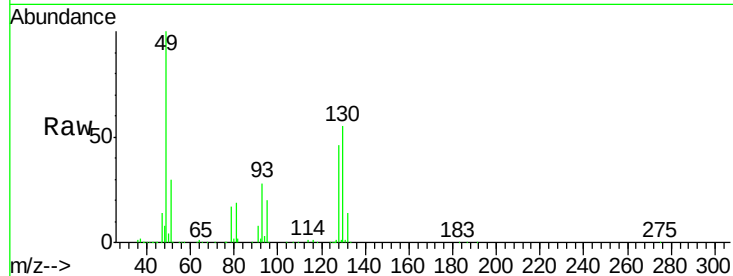
ClientSampleId :

LIHA-IAH-DUPDL

Tot Ion:	49	Resp:	971992
Ion	Ratio	Lower	Upper
49	100		
128	44.9	21.8	65.3
130	56.4	28.0	84.0

Manual Integrations
APPROVED

MMDadoda
12/19/2019 3:47:26 PM



#9

Propene

Concen: 0.253 ppbv m

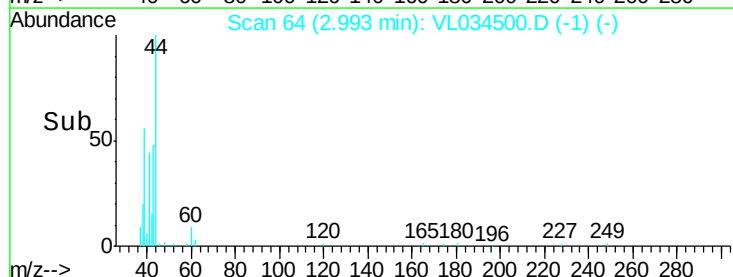
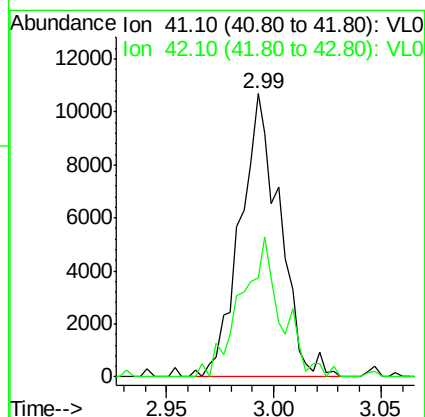
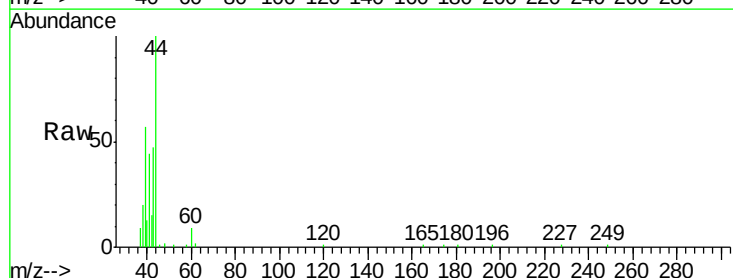
RT: 2.99 min Scan# 64

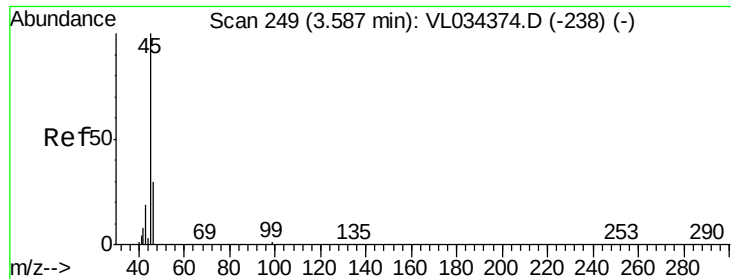
Delta R.T. 0.01 min

Lab File: VL034500.D

Acq: 17 Dec 2019 19:52

Tgt Ion:	41	Resp:	13615
Ion	Ratio	Lower	Upper
41	100		
42	71.5	54.6	82.0





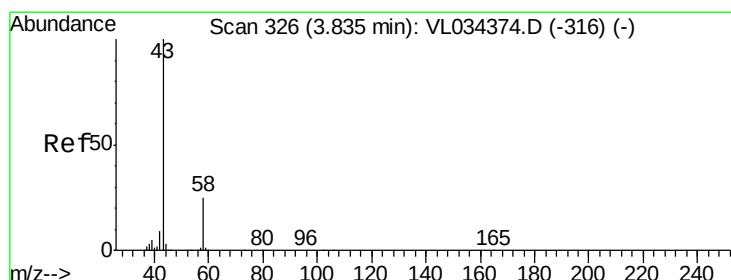
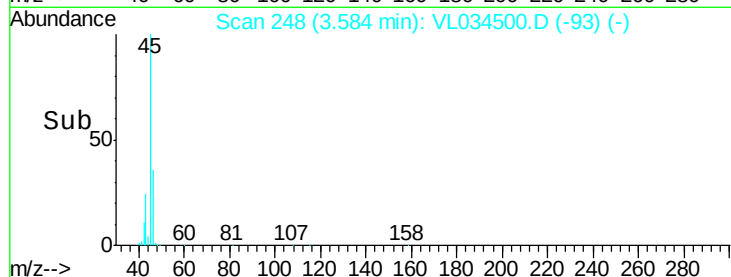
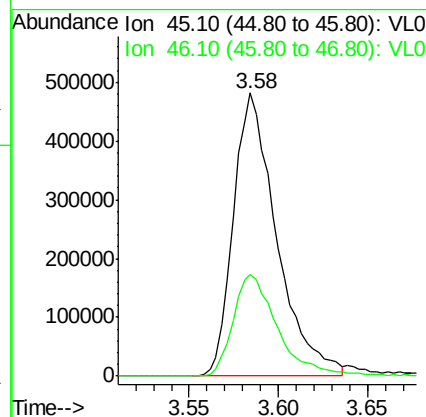
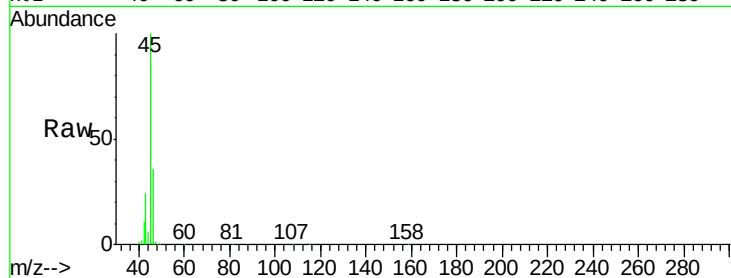
#13
Ethanol
Concen: 54.237 ppbv
RT: 3.58 min Scan# 248
Delta R.T. -0.00 min
Lab File: VL034500.D
Acq: 17 Dec 2019 19:52

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IAH-DUPDL

Tot Ion	45	Resp	813451
Ion Ratio	100	Lower	Upper
46	37.3	13.8	55.4

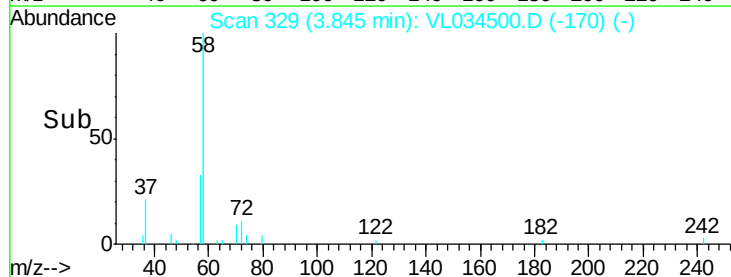
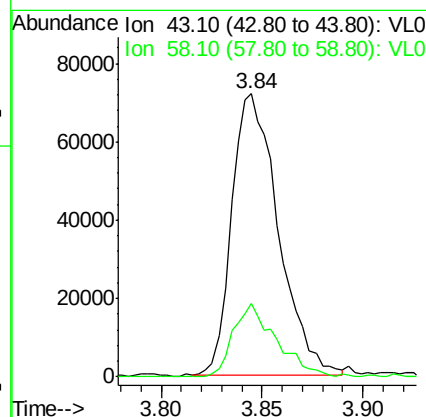
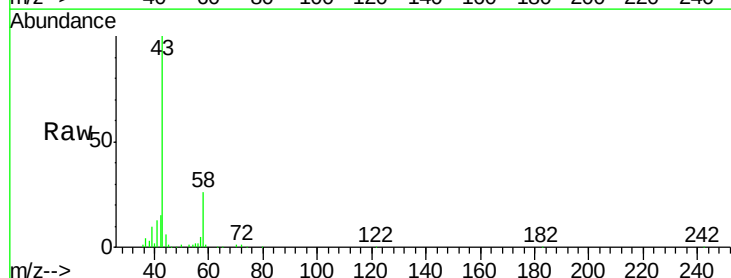
Manual Integrations
APPROVED

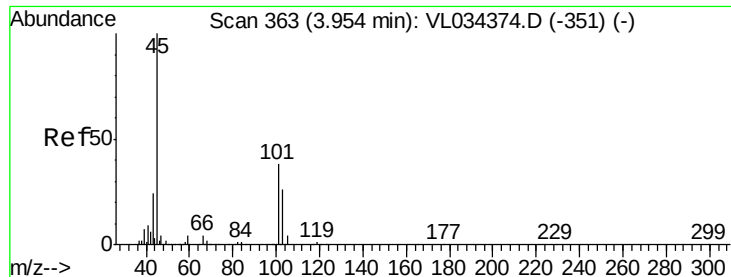
MMDadoda
12/19/2019 3:47:26 PM



#15
Acetone
Concen: 0.833 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL034500.D
Acq: 17 Dec 2019 19:52

Tgt Ion	43	Resp	115966
Ion Ratio	100	Lower	Upper
58	24.6	20.2	30.4





#19

Isopropyl Alcohol

Concen: 0.207 ppbv m

RT: 3.96 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL034500.D

Acq: 17 Dec 2019 19:52

Instrument :

MSVOA_L

ClientSampleId :

LIHA-IAH-DUPDL

Tot Ion: 45 Resp: 18428

Ion Ratio Lower Upper

45 100

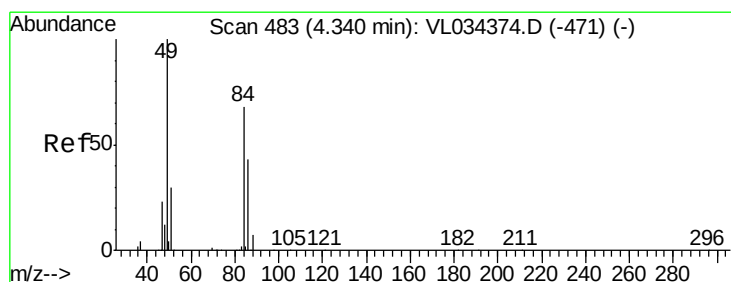
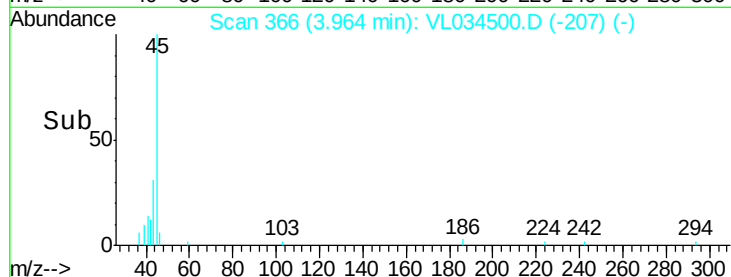
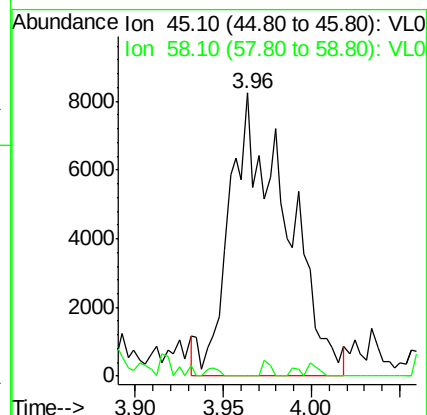
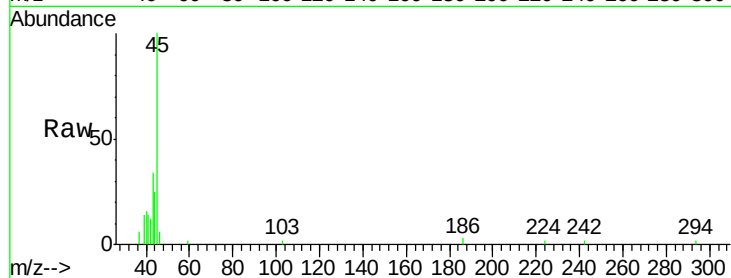
58 0.0 1.3 1.9#

Manual Integrations

APPROVED

MMDadoda

12/19/2019 3:47:26 PM



#20

Methylene Chloride

Concen: 0.325 ppbv m

RT: 4.33 min Scan# 480

Delta R.T. -0.01 min

Lab File: VL034500.D

Acq: 17 Dec 2019 19:52

Tgt Ion: 84 Resp: 16040

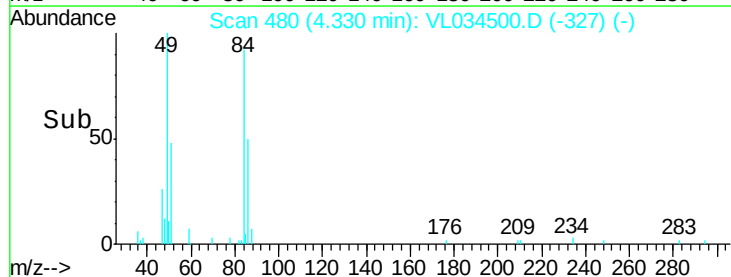
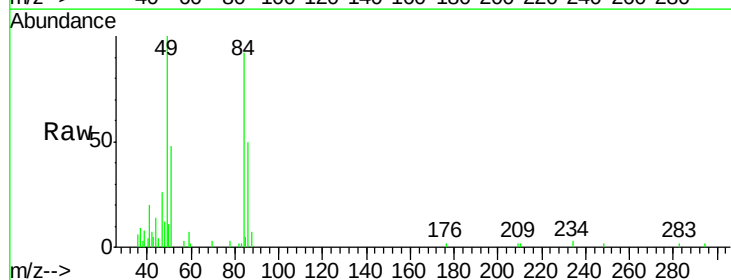
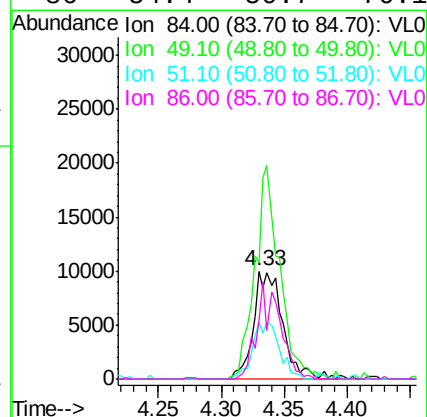
Ion Ratio Lower Upper

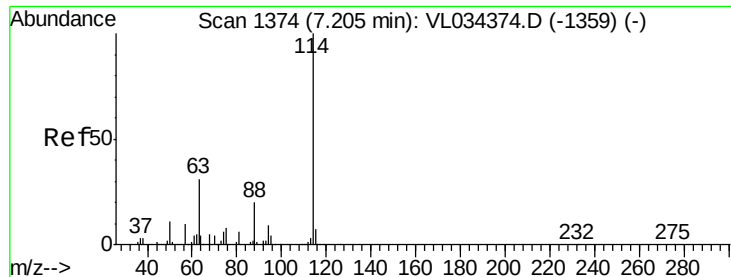
84 100

49 108.3 116.8 175.2#

51 52.4 35.6 53.4

86 54.4 50.7 76.1





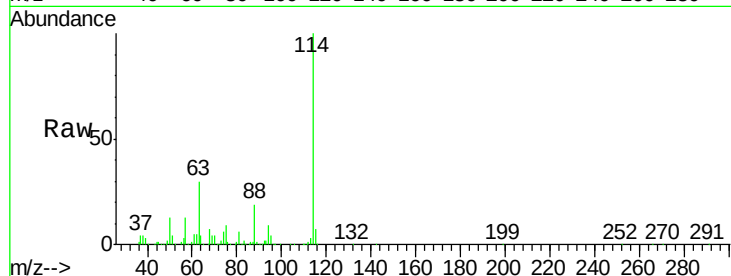
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. -0.01 min
 Lab File: VL034500.D
 Acq: 17 Dec 2019 19:52

Instrument :
 MSVOA_L
 ClientSampleId :
 LIHA-IAH-DUPDL

Tot Ion	Ratio	Lower	Upper
114	100		
63	30.1	24.2	36.4
88	19.7	15.9	23.9

Manual Integrations
 APPROVED

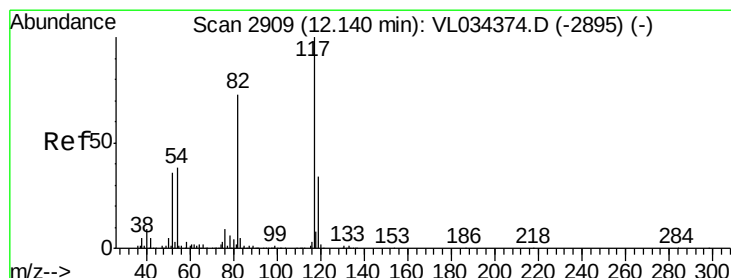
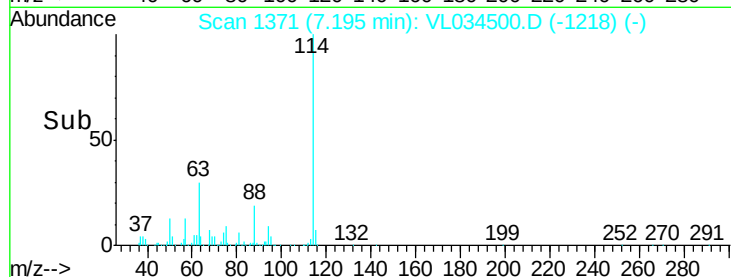
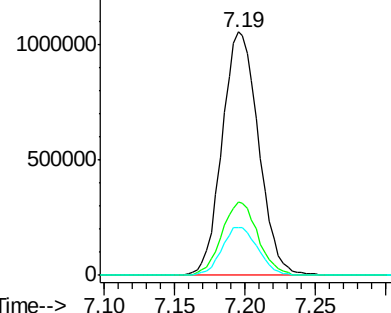
MMDadoda
 12/19/2019 3:47:26 PM



Abundance Ion 114.10 (113.80 to 114.80): V

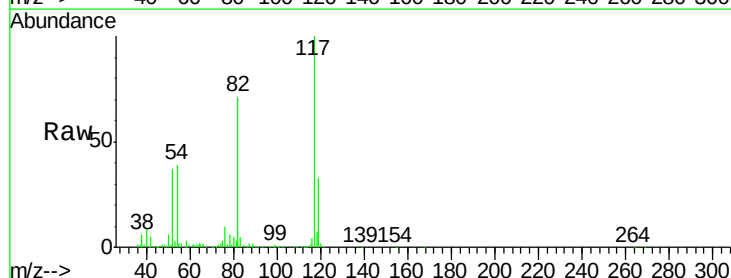
Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.13 min Scan# 2907
 Delta R.T. -0.01 min
 Lab File: VL034500.D
 Acq: 17 Dec 2019 19:52

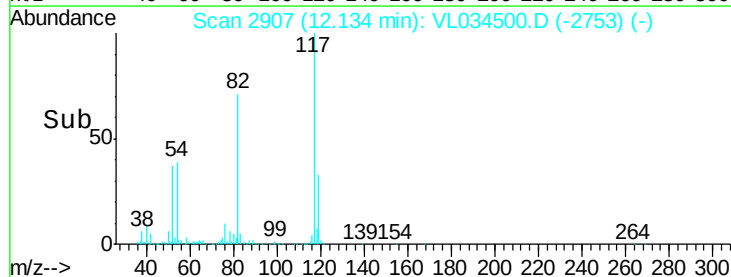
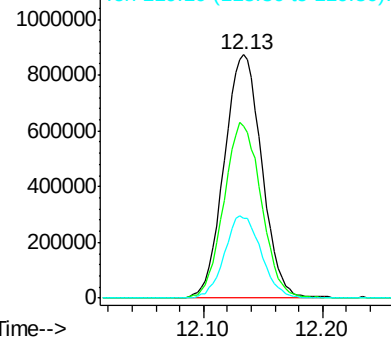
Tgt Ion	Ratio	Lower	Upper
117	100		
82	71.7	57.5	86.3
119	33.1	25.4	38.2

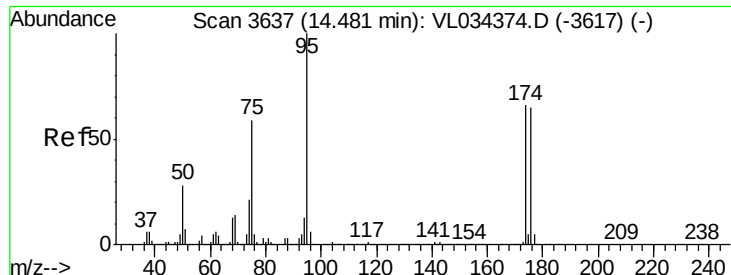


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.144 ppbv
 RT: 14.47 min Scan# 3634
 Delta R.T. -0.01 min
 Lab File: VL034500.D
 Acq: 17 Dec 2019 19:52

Instrument :
 MSVOA_L
 ClientSampleId :
 LIHA-IAH-DUPDL

Tot Ion	Ratio	Lower	Upper
95	100		
174	65.5	52.2	78.2
175	4.5	3.8	5.8

Manual Integrations
 APPROVED

MMDadoda
 12/19/2019 3:47:26 PM

