

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
 Data File : VL040706.D
 Acq On : 18 Sep 2023 19:42
 Operator : SY/MD
 Sample : 04402-04DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ST-5DL

Quant Time: Sep 19 05:21:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 18 2023
 QLast Update : Tue Sep 19 05:12:43 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/19/2023
 Supervised By : Mahesh Dadoda 09/19/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.198	49	1005724	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2644048	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2273037	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.789	95	1728421	9.842	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%
Target Compounds						
4) Chloromethane	2.812	50	6862m	0.109	ppbv	Qvalue
9) Propene	2.700	41	9217m	0.195	ppbv	
13) Ethanol	3.246	45	42094m	3.013	ppbv	96
15) Acetone	3.475	43	197830	1.491	ppbv	
19) Isopropyl Alcohol	3.600	45	19431m	0.243	ppbv	99
20) Methylene Chloride	3.935	84	436568	6.114	ppbv	
26) Hexane	5.217	57	272798	2.696	ppbv #	39
44) 2,2,4-Trimethylpentane	7.336	57	35887m	0.115	ppbv	94
53) Toluene	9.233	91	69080	0.334	ppbv	

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

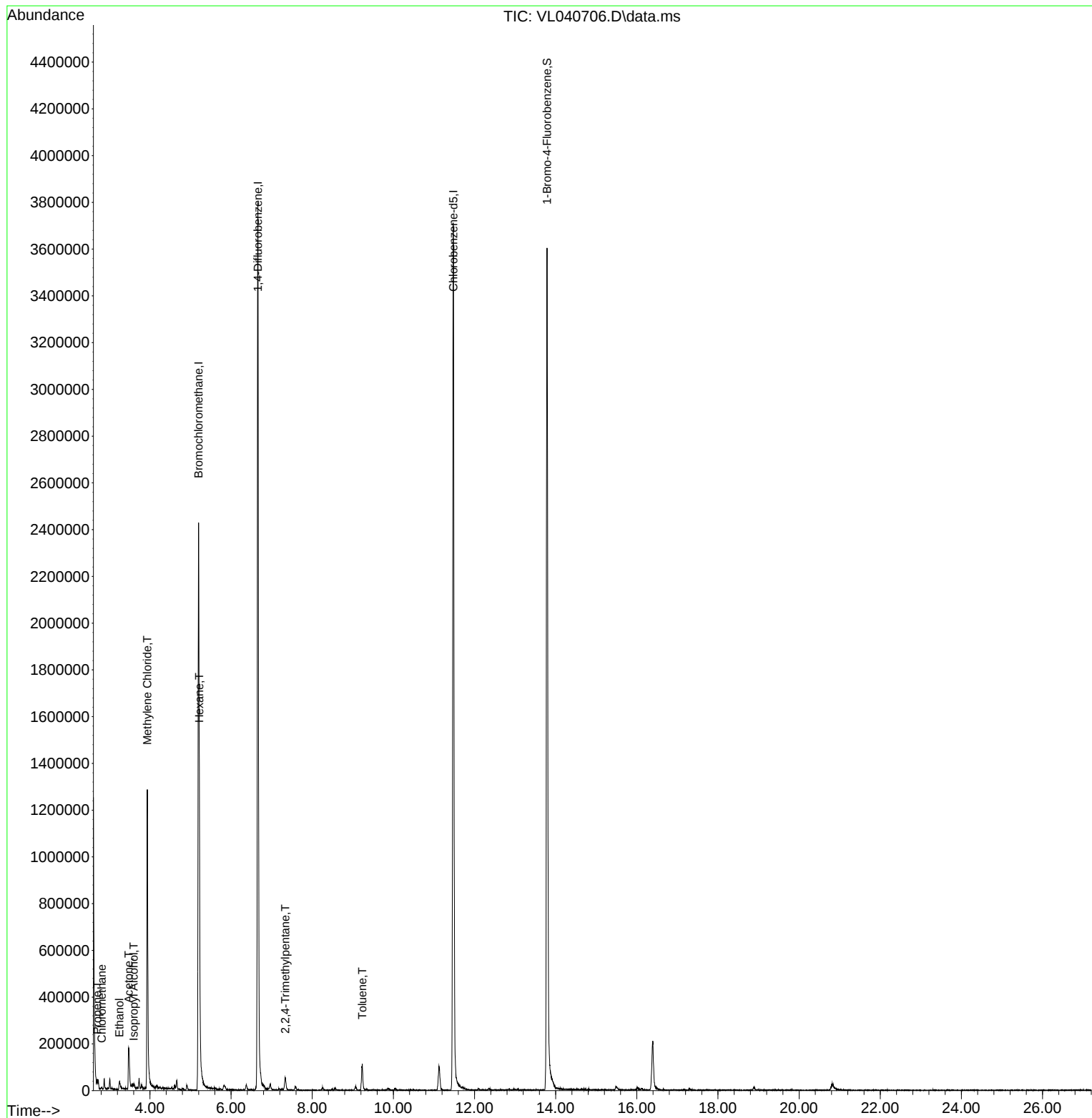
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
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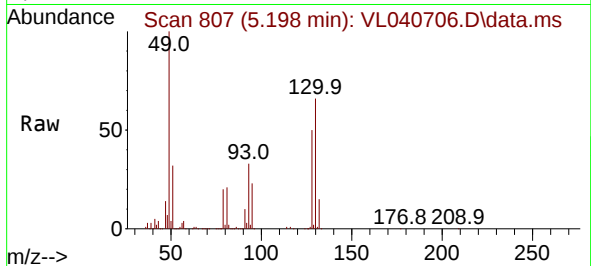
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.000 min
Lab File: VL040706.D
Acq: 18 Sep 2023 19:42

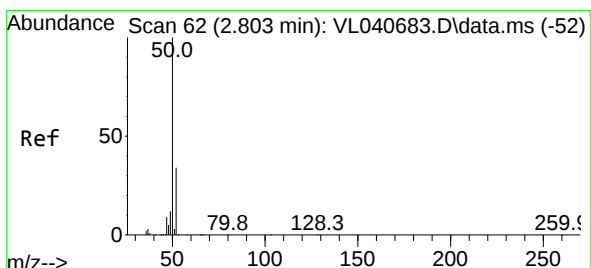
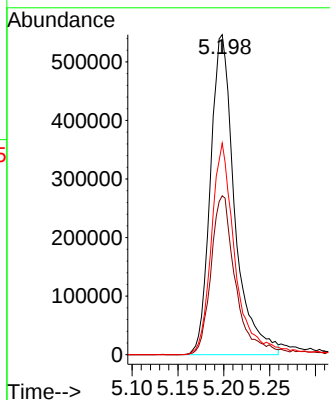
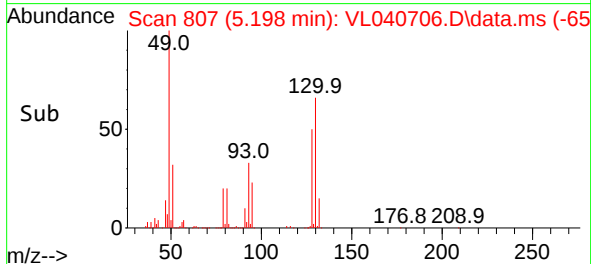
Instrument :
MSVOA_L
ClientSampleId :
ST-5DL



Tgt Ion: 49 Resp: 1005724
Ion Ratio Lower Upper
49 100
128 52.5 25.4 76.0
130 67.1 32.3 96.8

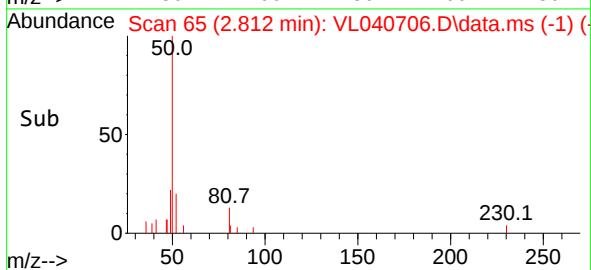
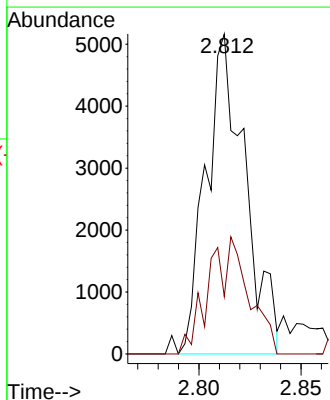
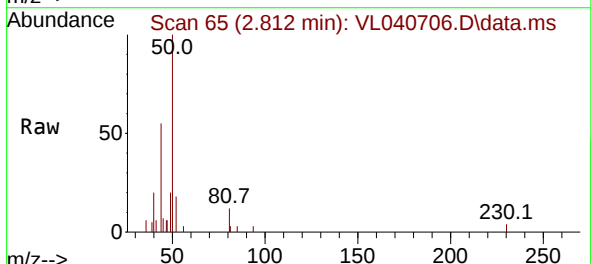
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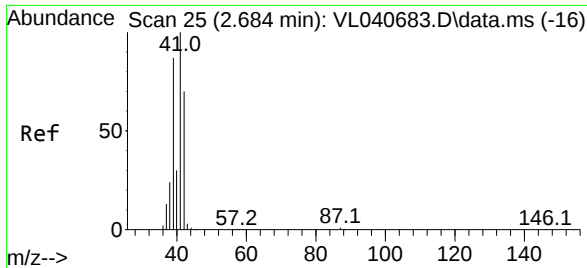
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#4
Chloromethane
Concen: 0.109 ppbv m
RT: 2.812 min Scan# 65
Delta R.T. -0.003 min
Lab File: VL040706.D
Acq: 18 Sep 2023 19:42

Tgt Ion: 50 Resp: 6862
Ion Ratio Lower Upper
50 100
52 18.0 27.1 40.7#





#9

Propene

Concen: 0.195 ppbv m

RT: 2.700 min Scan# 30

Delta R.T. 0.003 min

Lab File: VL040706.D

Acq: 18 Sep 2023 19:42

Instrument :

MSVOA_L

ClientSampleId :

ST-5DL

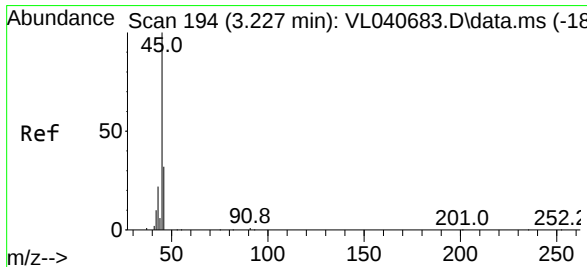
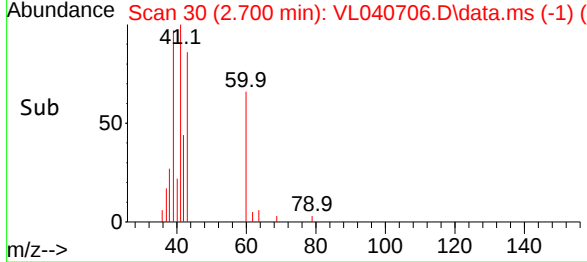
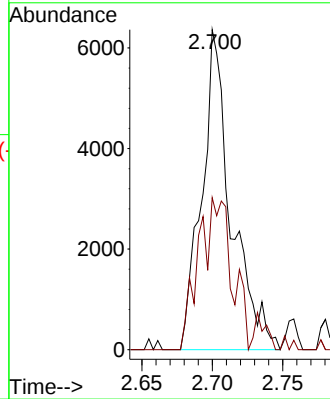
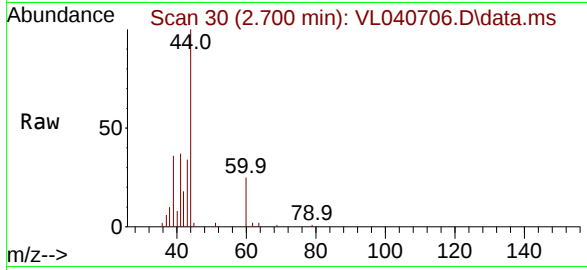
Tgt Ion: 41 Resp: 921

Ion	Ratio	Lower	Upper
41	100		
42	59.4	56.7	85.1

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#13

Ethanol

Concen: 3.013 ppbv m

RT: 3.246 min Scan# 200

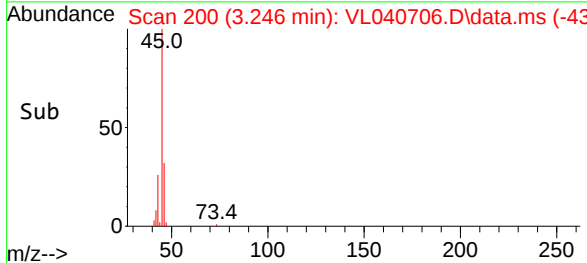
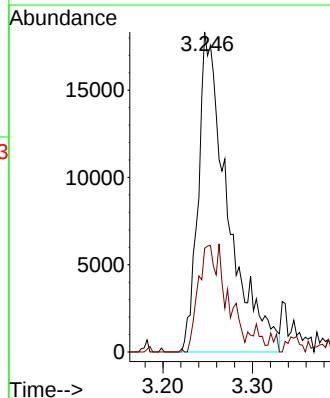
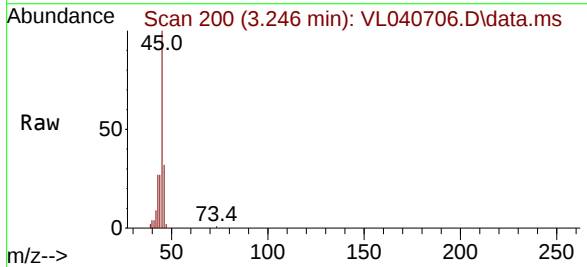
Delta R.T. 0.003 min

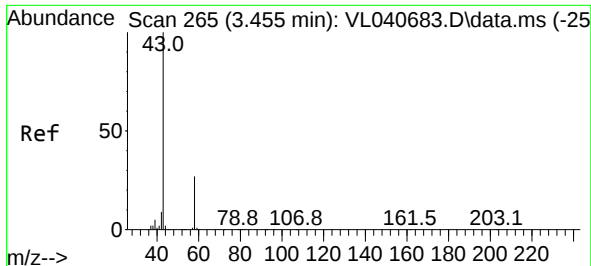
Lab File: VL040706.D

Acq: 18 Sep 2023 19:42

Tgt Ion: 45 Resp: 42094

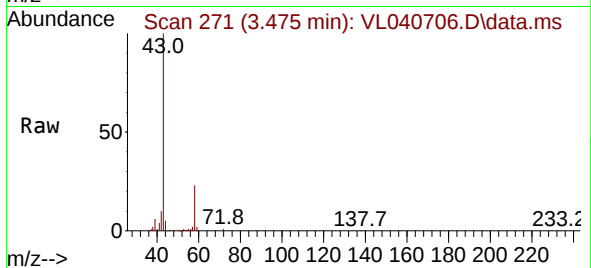
Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.2	61.0





#15
Acetone
Concen: 1.491 ppbv
RT: 3.475 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040706.D
Acq: 18 Sep 2023 19:42

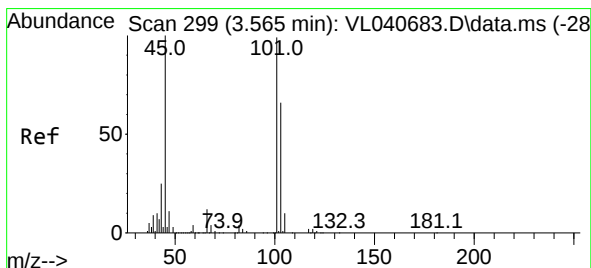
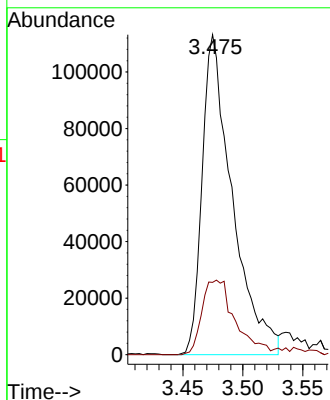
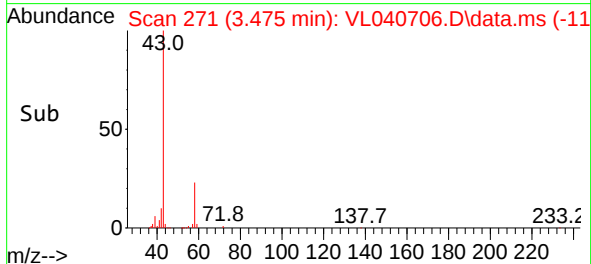
Instrument :
MSVOA_L
ClientSampleId :
ST-5DL



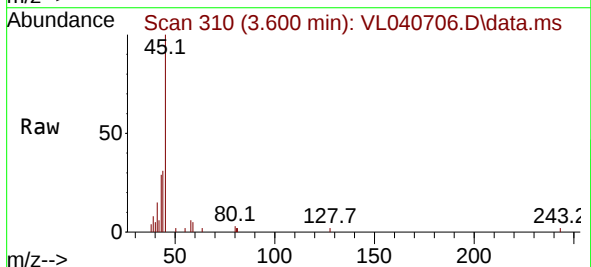
Tgt Ion: 43 Resp: 197830
Ion Ratio Lower Upper
43 100
58 26.1 22.6 34.0

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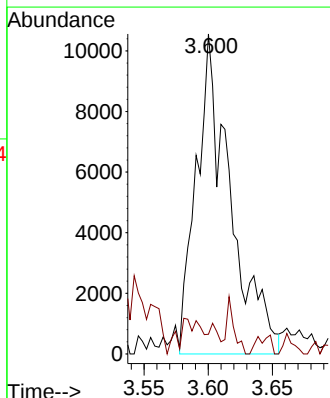
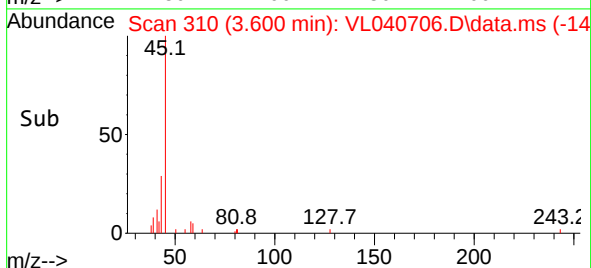
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023

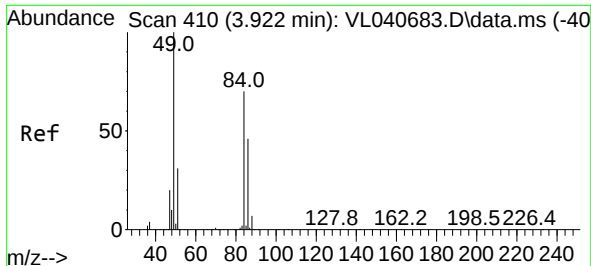


#19
Isopropyl Alcohol
Concen: 0.243 ppbv m
RT: 3.600 min Scan# 310
Delta R.T. 0.023 min
Lab File: VL040706.D
Acq: 18 Sep 2023 19:42



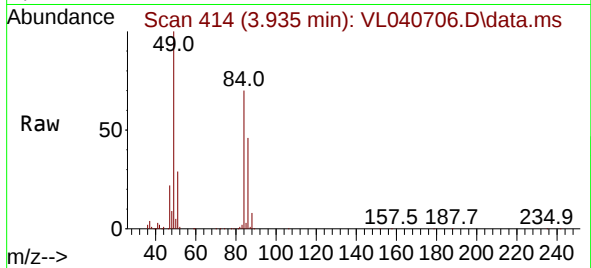
Tgt Ion: 45 Resp: 19431
Ion Ratio Lower Upper
45 100
58 0.0 1.9 2.9#





#20
Methylene Chloride
Concen: 6.114 ppbv
RT: 3.935 min Scan# 410
Delta R.T. -0.003 min
Lab File: VL040706.D
Acq: 18 Sep 2023 19:42

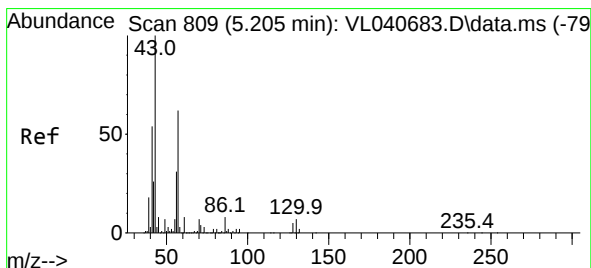
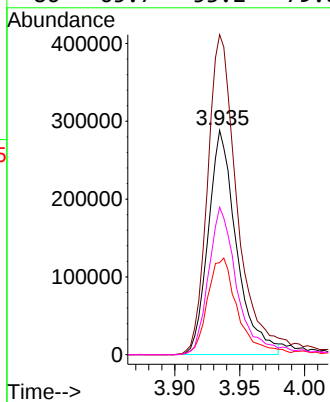
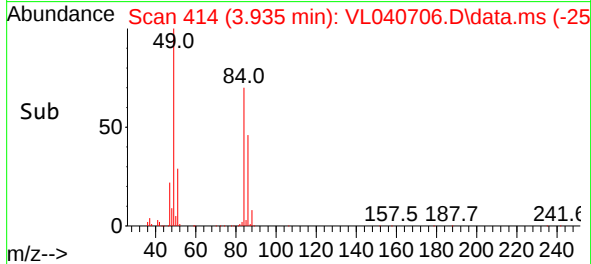
Instrument :
MSVOA_L
ClientSampleId :
ST-5DL



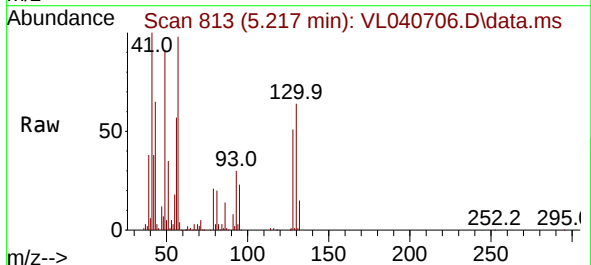
Tgt Ion: 84 Resp: 436568
Ion Ratio Lower Upper
84 100
49 142.4 114.4 171.6
51 40.9 35.5 53.3
86 65.7 53.2 79.8

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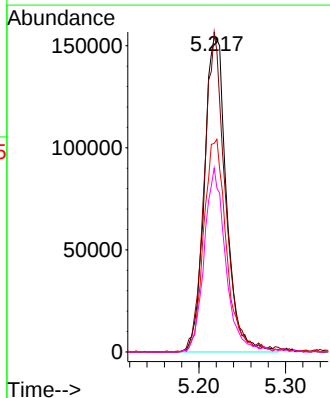
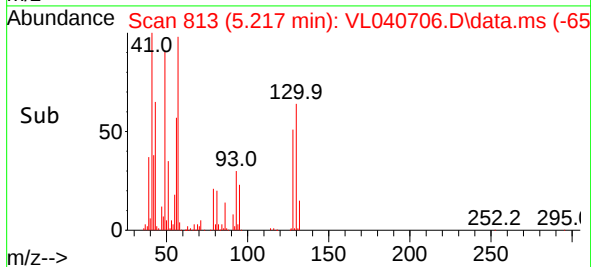
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023

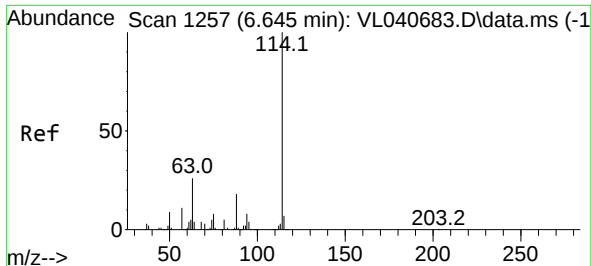


#26
Hexane
Concen: 2.696 ppbv
RT: 5.217 min Scan# 813
Delta R.T. -0.003 min
Lab File: VL040706.D
Acq: 18 Sep 2023 19:42



Tgt Ion: 57 Resp: 272798
Ion Ratio Lower Upper
57 100
41 97.2 75.2 112.8
43 70.2 185.6 278.4#
56 57.3 43.8 65.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL040706.D

Acq: 18 Sep 2023 19:42

Instrument :

MSVOA_L

ClientSampleId :

ST-5DL

Tgt Ion:114 Resp: 264404

Ion Ratio Lower Upper

114 100

63 26.2 21.1 31.7

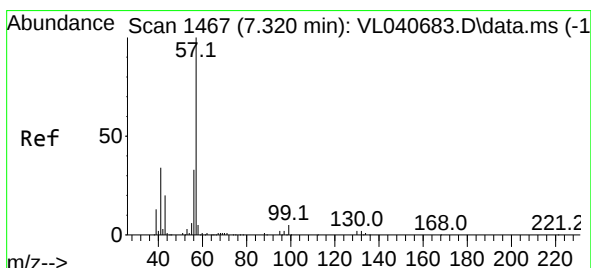
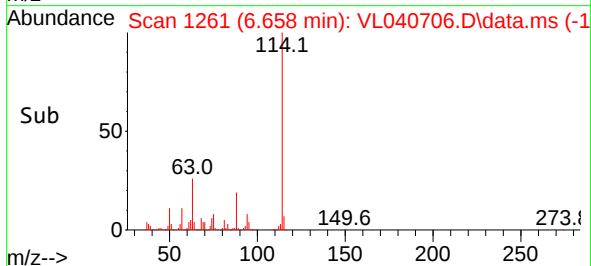
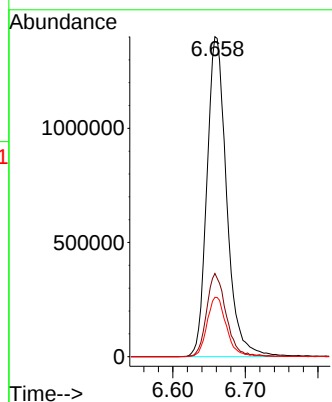
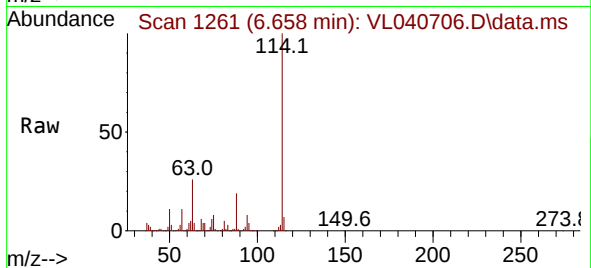
88 18.6 14.5 21.7

Manual Integrations

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Supervised By :Mahesh Dadoda 09/19/2023



#44

2,2,4-Trimethylpentane

Concen: 0.115 ppbv m

RT: 7.336 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VL040706.D

Acq: 18 Sep 2023 19:42

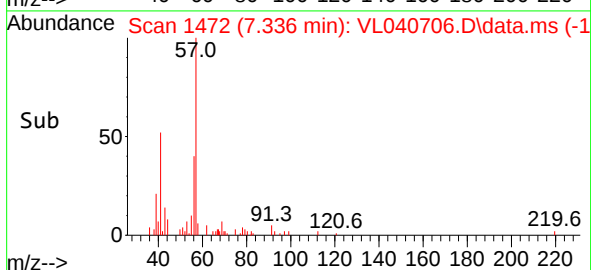
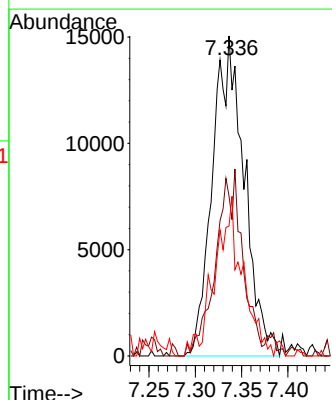
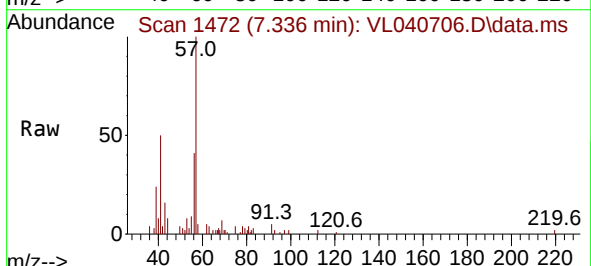
Tgt Ion: 57 Resp: 35887

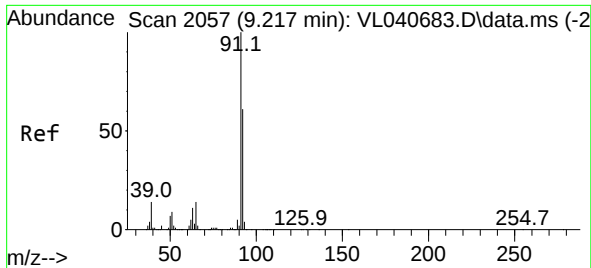
Ion Ratio Lower Upper

57 100

41 52.1 28.5 42.7#

56 44.5 25.4 38.2#





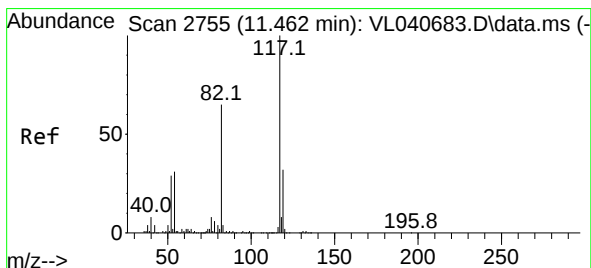
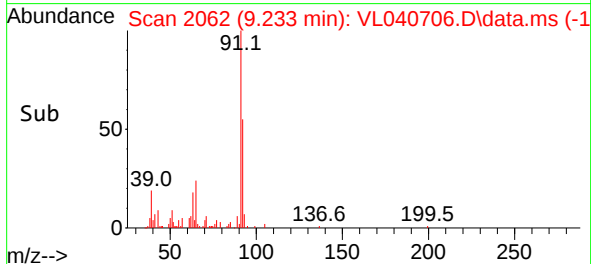
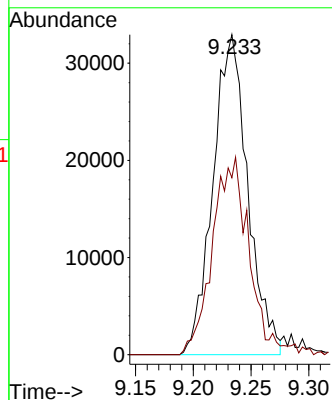
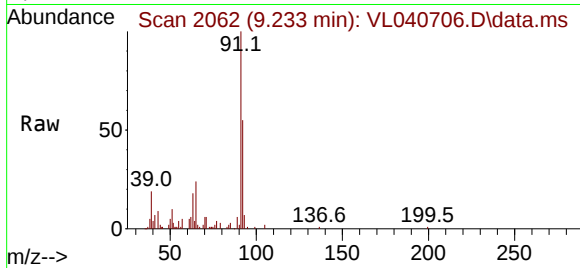
#53
Toluene
Concen: 0.334 ppbv
RT: 9.233 min Scan# 2057
Delta R.T. 0.003 min
Lab File: VL040706.D
Acq: 18 Sep 2023 19:42

Instrument :
MSVOA_L
ClientSampleId :
ST-5DL

Tgt Ion: 91 Resp: 69080
Ion Ratio Lower Upper
91 100
92 65.3 48.5 72.7

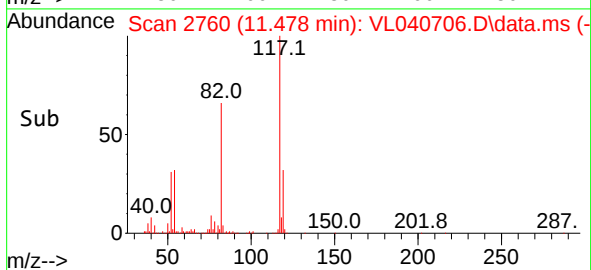
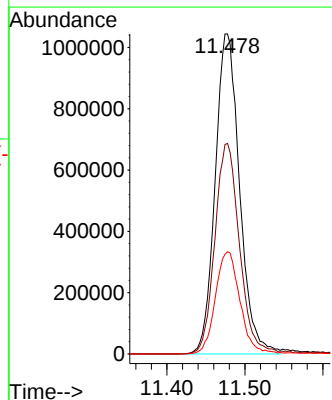
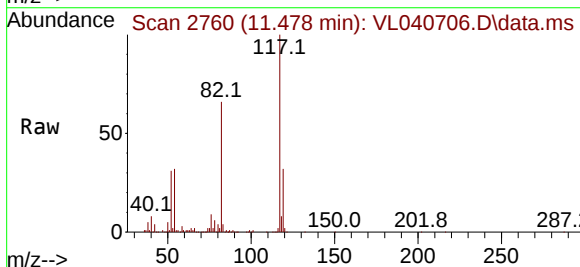
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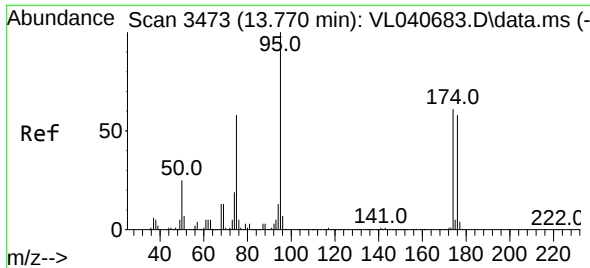
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 2760
Delta R.T. 0.000 min
Lab File: VL040706.D
Acq: 18 Sep 2023 19:42

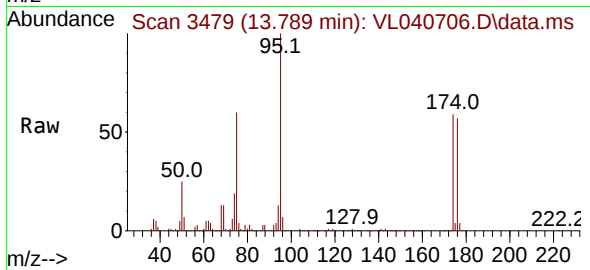
Tgt Ion:117 Resp: 2273037
Ion Ratio Lower Upper
117 100
82 67.2 51.4 77.0
119 32.6 24.7 37.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.842 ppbv
 RT: 13.789 min Scan# 3479
 Delta R.T. 0.003 min
 Lab File: VL040706.D
 Acq: 18 Sep 2023 19:42

Instrument :
 MSVOA_L
 ClientSampleId :
 ST-5DL



Tgt Ion: 95 Resp: 172842

Ion	Ratio	Lower	Upper
95	100		
174	61.1	48.9	73.3
175	4.3	3.5	5.3

Manual Integrations
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