

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022123\
 Data File : VL040202.D
 Acq On : 21 Feb 2023 19:49
 Operator : SY/MD
 Sample : 01626-04DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-12DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023
 Supervised By :Mahesh Dadoda 02/23/2023

Quant Time: Feb 22 03:26:27 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Feb 22 03:17:31 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.198	49	894632	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2329695	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.478	117	2068544	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	1676596	9.857	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.729	85	19618	0.118	ppbv	99
3) Chlorodifluoromethane	2.674	51	17772m	0.166	ppbv	
4) Chloromethane	2.813	50	7715	0.115	ppbv #	77
9) Propene	2.700	41	26286m	0.603	ppbv	
13) Ethanol	3.234	45	1128449	281.376	ppbv	94
15) Acetone	3.475	43	209319	1.943	ppbv	97
19) Isopropyl Alcohol	3.581	45	141851	2.771	ppbv #	97
20) Methylene Chloride	3.935	84	35442	0.632	ppbv	99
26) Hexane	5.218	57	19624	0.228	ppbv #	45
36) Benzene	6.378	78	23756m	0.131	ppbv	
53) Toluene	9.233	91	46801m	0.241	ppbv	

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

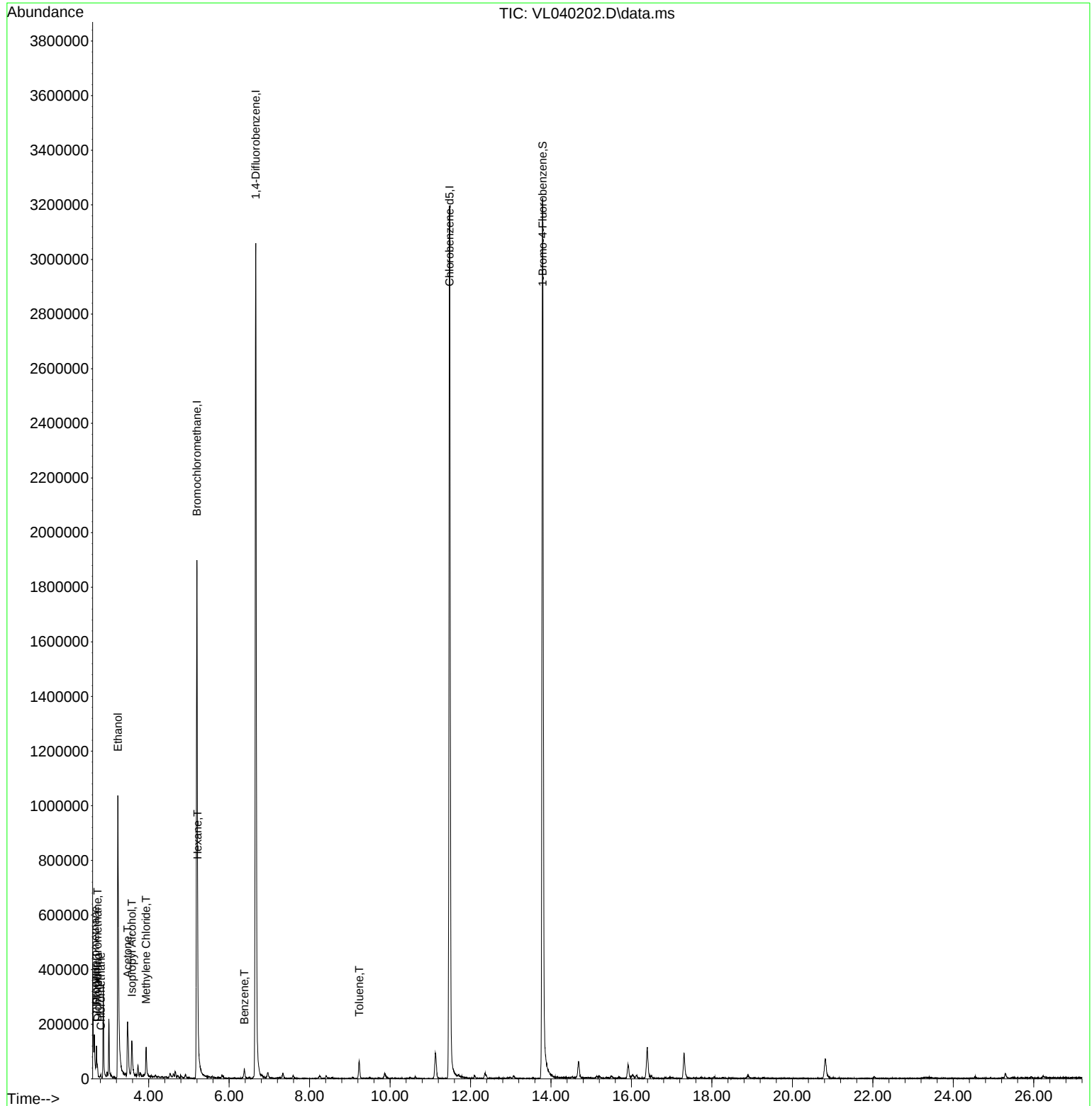
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022123\
Data File : VL040202.D
Acq On : 21 Feb 2023 19:49
Operator : SY/MD
Sample : 01626-04DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

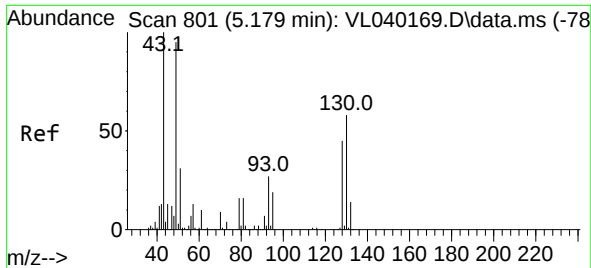
Instrument :
MSVOA_L
ClientSampleId :
IA-12DL

Quant Time: Feb 22 03:26:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Feb 22 03:17:31 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

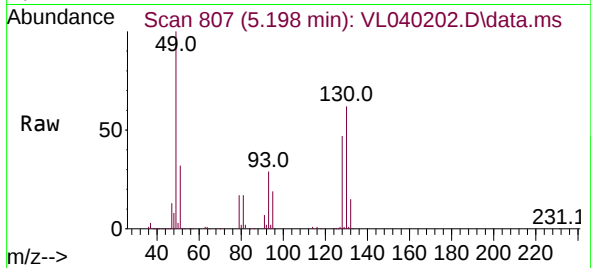
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. -0.007 min
Lab File: VL040202.D
Acq: 21 Feb 2023 19:49

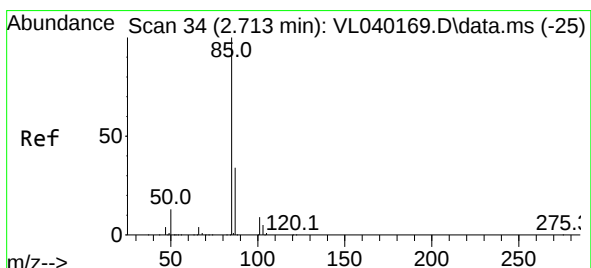
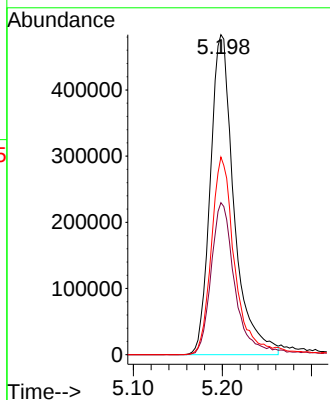
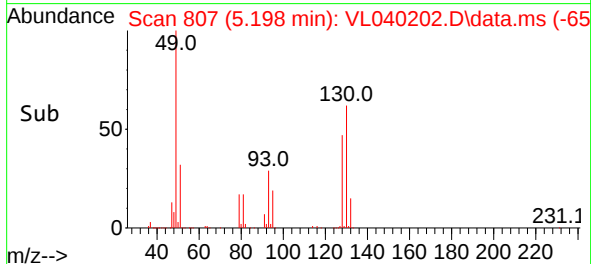
Instrument :
MSVOA_L
ClientSampleId :
IA-12DL



Tgt Ion: 49 Resp: 89463
Ion Ratio Lower Upper
49 100
128 48.8 24.1 72.3
130 63.2 30.9 92.8

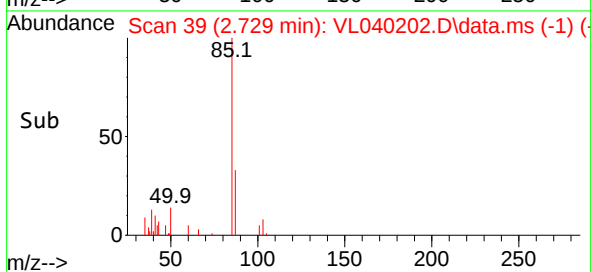
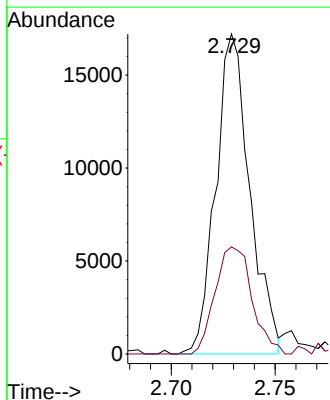
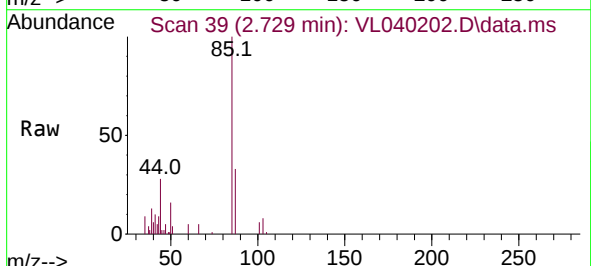
Manual Integrations
APPROVED

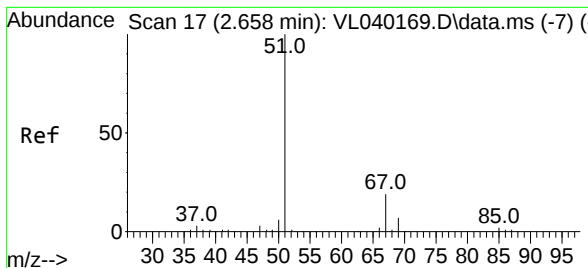
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#2
Dichlorodifluoromethane
Concen: 0.118 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.000 min
Lab File: VL040202.D
Acq: 21 Feb 2023 19:49

Tgt Ion: 85 Resp: 19618
Ion Ratio Lower Upper
85 100
87 33.4 27.0 40.6





#3

Chlorodifluoromethane

Concen: 0.166 ppbv

RT: 2.674 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL040202.D

Acq: 21 Feb 2023 19:49

Instrument :

MSVOA_L

ClientSampleId :

IA-12DL

Tgt Ion: 51 Resp: 1777

Ion Ratio Lower Upper

51 100

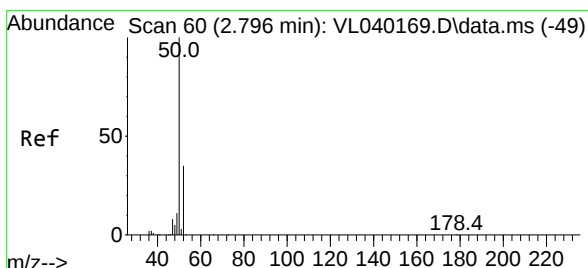
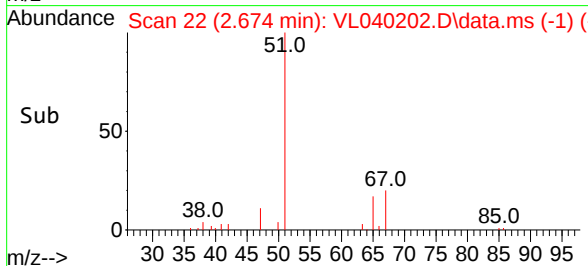
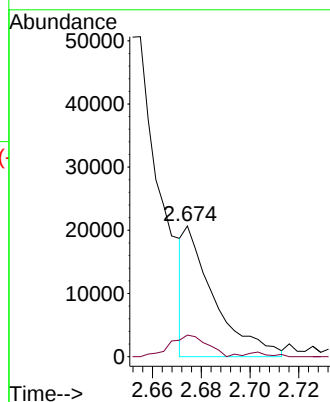
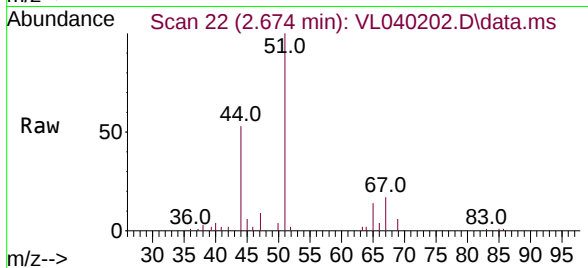
67 22.9 15.4 23.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023



#4

Chloromethane

Concen: 0.115 ppbv

RT: 2.813 min Scan# 65

Delta R.T. 0.000 min

Lab File: VL040202.D

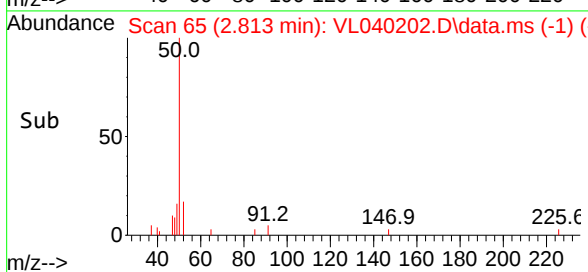
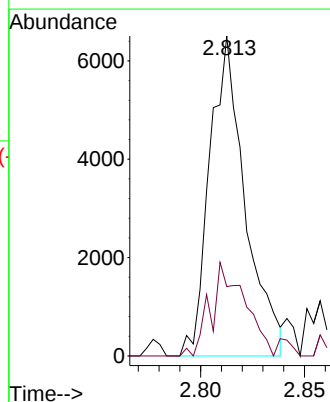
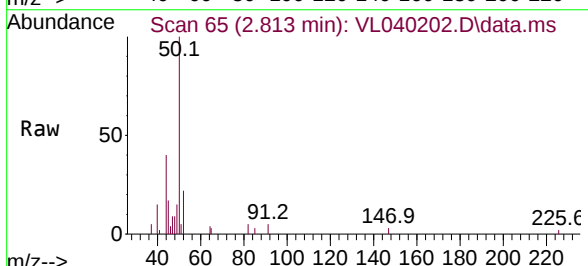
Acq: 21 Feb 2023 19:49

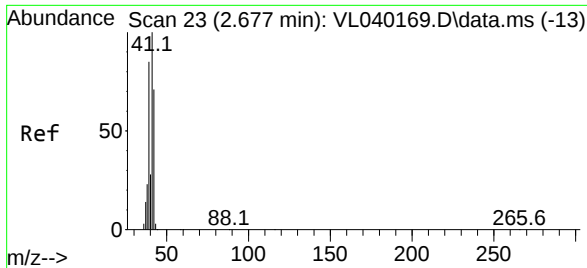
Tgt Ion: 50 Resp: 7715

Ion Ratio Lower Upper

50 100

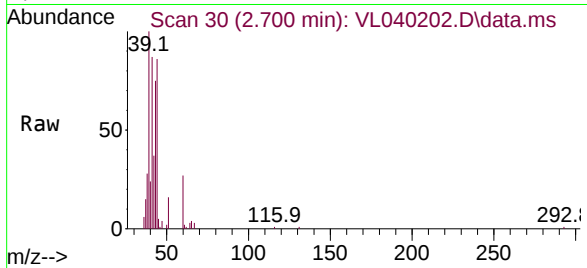
52 21.7 28.3 42.5





#9
 Propene
 Concen: 0.603 ppbv m
 RT: 2.700 min Scan# 30
 Delta R.T. 0.006 min
 Lab File: VL040202.D
 Acq: 21 Feb 2023 19:49

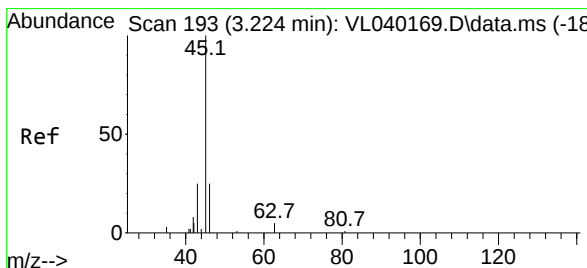
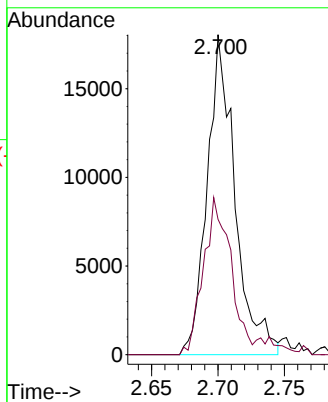
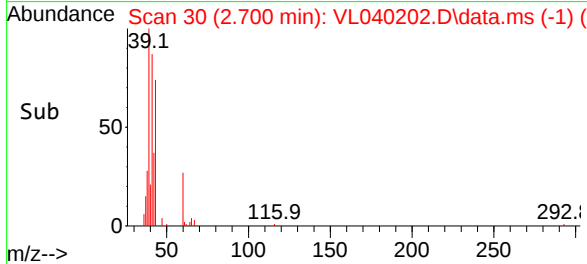
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-12DL



Tgt Ion: 41 Resp: 26280
 Ion Ratio Lower Upper
 41 100
 42 220.9 56.9 85.3

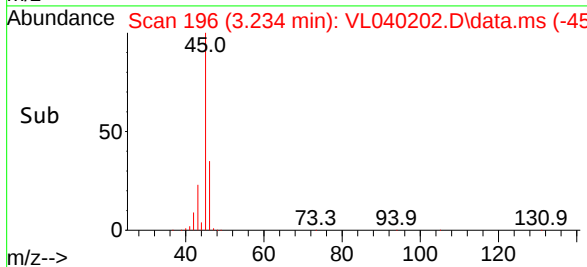
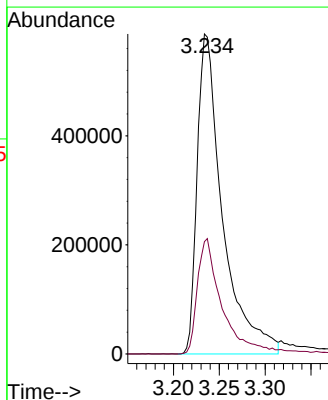
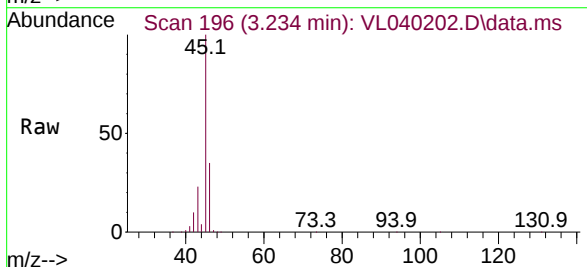
Manual Integrations
 APPROVED

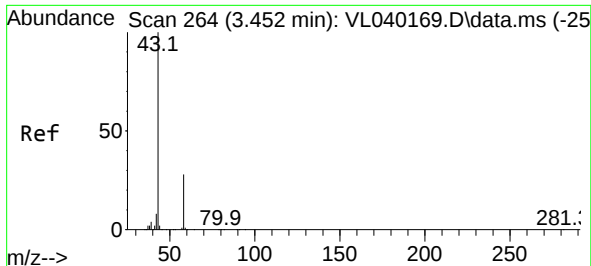
Reviewed By :Semsettin Yesilyurt 02/22/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#13
 Ethanol
 Concen: 281.376 ppbv
 RT: 3.234 min Scan# 196
 Delta R.T. -0.016 min
 Lab File: VL040202.D
 Acq: 21 Feb 2023 19:49

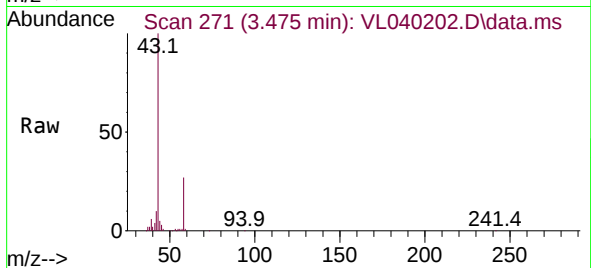
Tgt Ion: 45 Resp: 1128449
 Ion Ratio Lower Upper
 45 100
 46 36.6 13.3 53.1





#15
Acetone
Concen: 1.943 ppbv
RT: 3.475 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040202.D
Acq: 21 Feb 2023 19:49

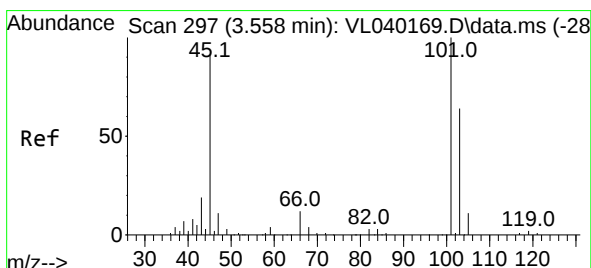
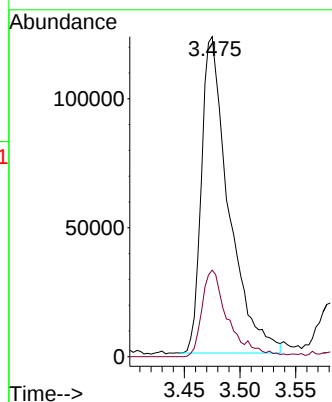
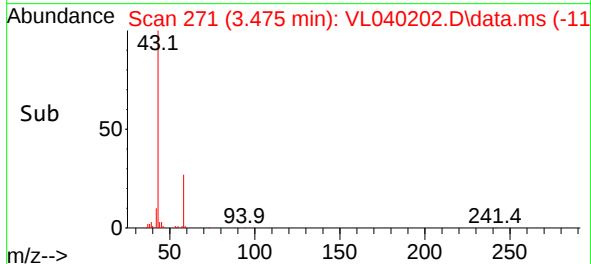
Instrument :
MSVOA_L
ClientSampleId :
IA-12DL



Tgt Ion: 43 Resp: 209319
Ion Ratio Lower Upper
43 100
58 26.4 22.4 33.6

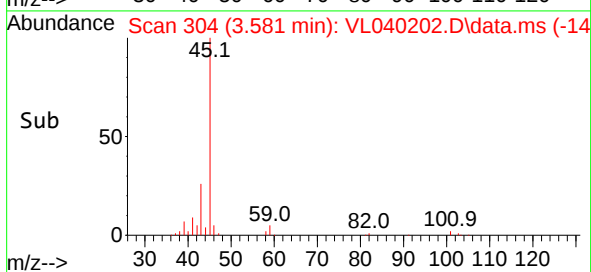
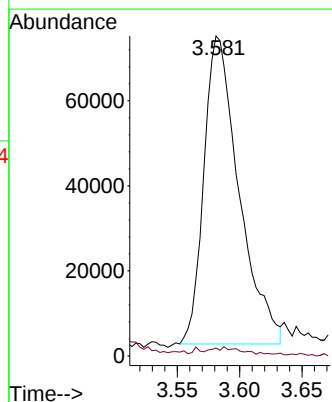
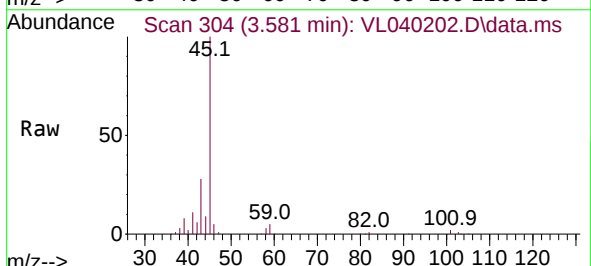
Manual Integrations
APPROVED

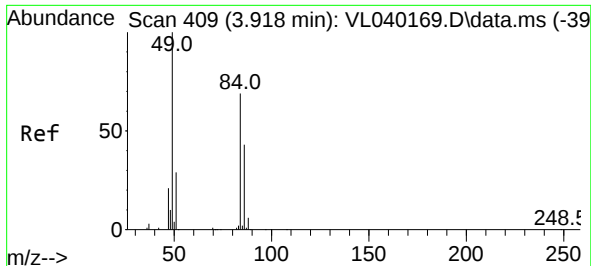
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#19
Isopropyl Alcohol
Concen: 2.771 ppbv
RT: 3.581 min Scan# 304
Delta R.T. 0.000 min
Lab File: VL040202.D
Acq: 21 Feb 2023 19:49

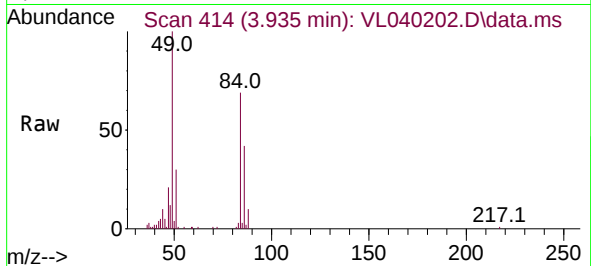
Tgt Ion: 45 Resp: 141851
Ion Ratio Lower Upper
45 100
58 4.2 2.6 3.8#





#20
Methylene Chloride
Concen: 0.632 ppbv
RT: 3.935 min Scan# 414
Delta R.T. -0.003 min
Lab File: VL040202.D
Acq: 21 Feb 2023 19:49

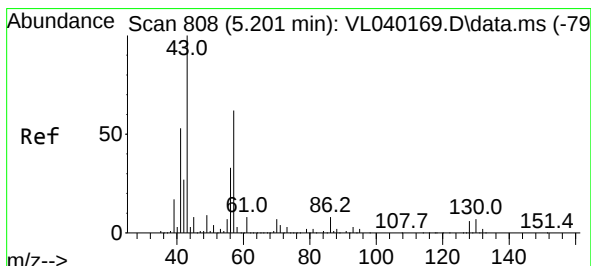
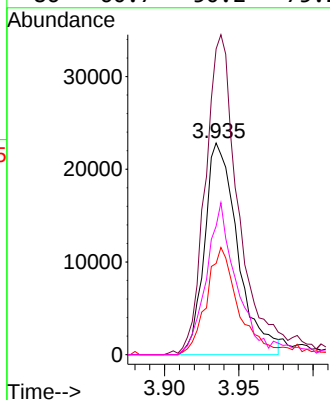
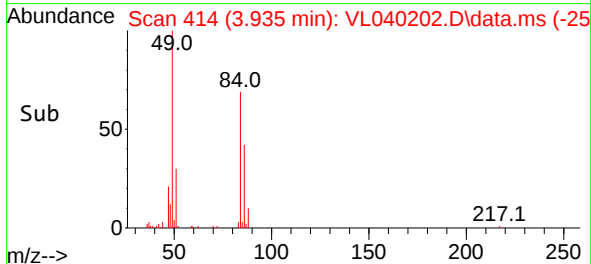
Instrument :
MSVOA_L
Client Sample Id :
IA-12DL



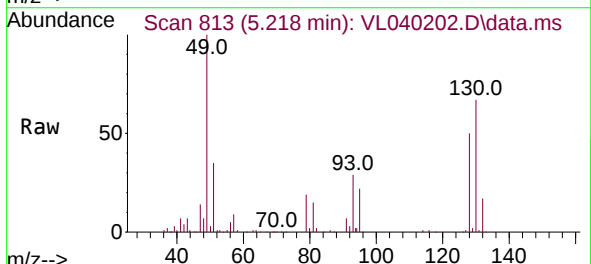
Tgt Ion: 84 Resp: 3544
Ion Ratio Lower Upper
84 100
49 143.7 115.5 173.3
51 43.1 33.1 49.7
86 60.7 50.2 75.2

Manual Integrations
APPROVED

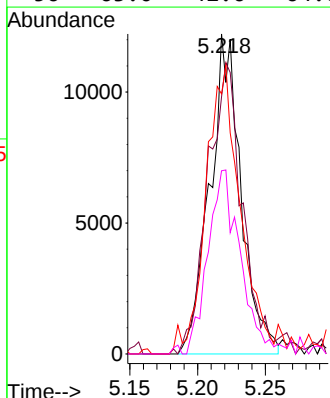
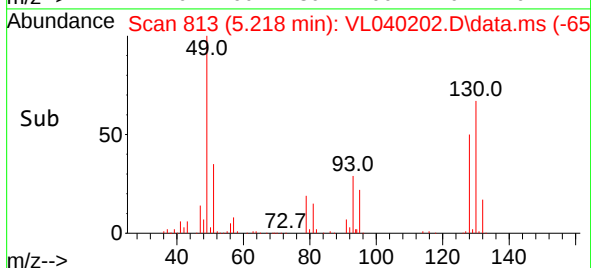
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023

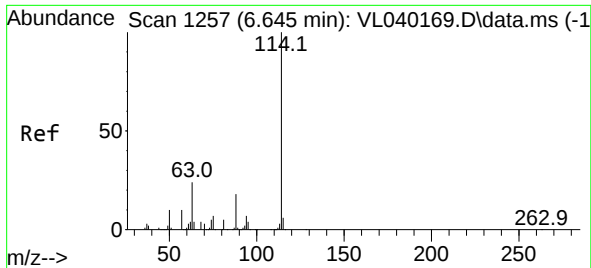


#26
Hexane
Concen: 0.228 ppbv
RT: 5.218 min Scan# 813
Delta R.T. -0.006 min
Lab File: VL040202.D
Acq: 21 Feb 2023 19:49



Tgt Ion: 57 Resp: 19624
Ion Ratio Lower Upper
57 100
41 102.8 74.3 111.5
43 103.4 193.0 289.4#
56 63.0 42.6 64.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.661 min Scan# 1174

Delta R.T. -0.013 min

Lab File: VL040202.D

Acq: 21 Feb 2023 19:49

Instrument :

MSVOA_L

ClientSampleId :

IA-12DL

Tgt Ion:114 Resp: 232969

Ion Ratio Lower Upper

114 100

63 25.3 20.4 30.6

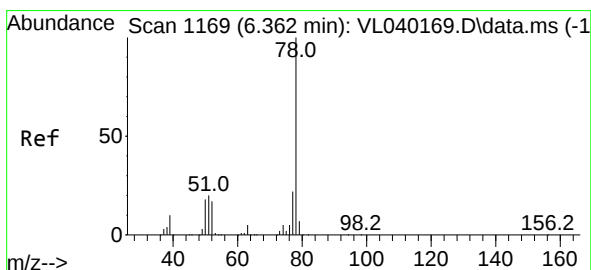
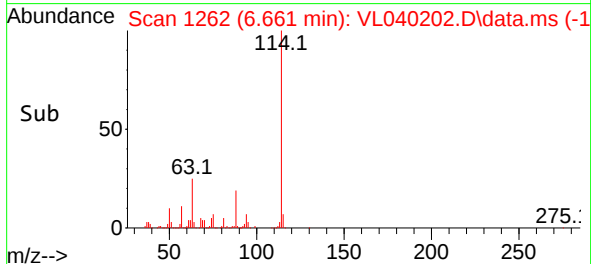
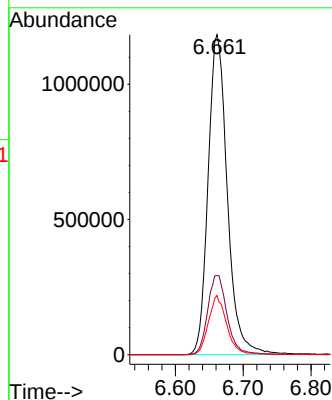
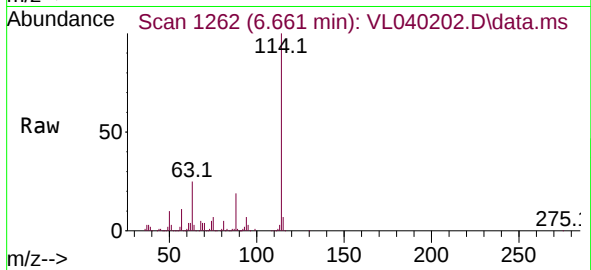
88 17.7 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023



#36

Benzene

Concen: 0.131 ppbv m

RT: 6.378 min Scan# 1174

Delta R.T. -0.010 min

Lab File: VL040202.D

Acq: 21 Feb 2023 19:49

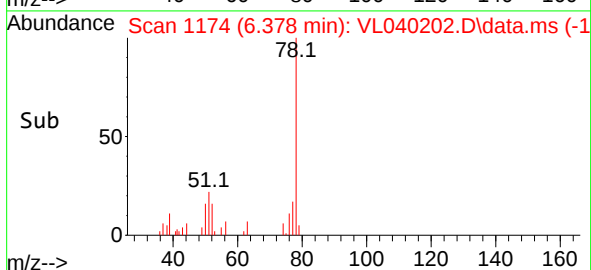
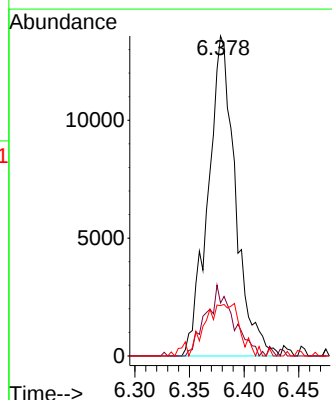
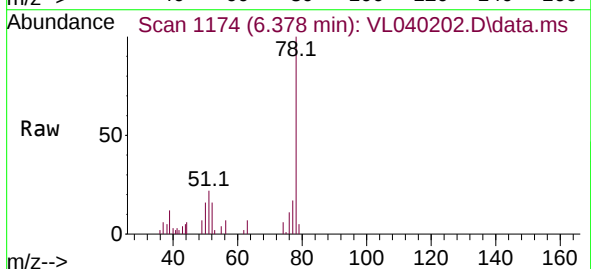
Tgt Ion: 78 Resp: 23756

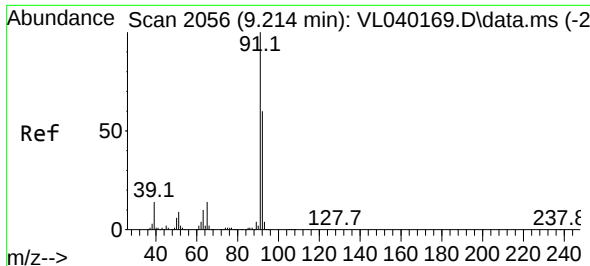
Ion Ratio Lower Upper

78 100

77 16.5 17.5 26.3#

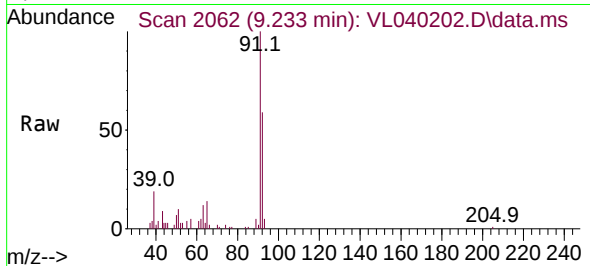
50 15.8 14.6 22.0





#53
Toluene
Concen: 0.241 ppbv m
RT: 9.233 min Scan# 2056
Delta R.T. -0.013 min
Lab File: VL040202.D
Acq: 21 Feb 2023 19:49

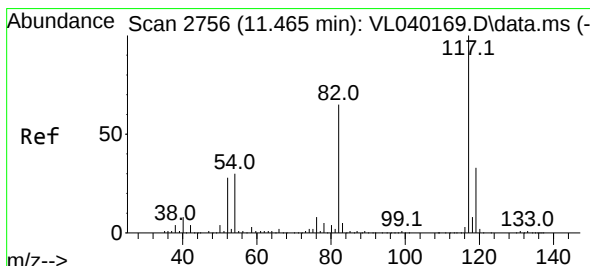
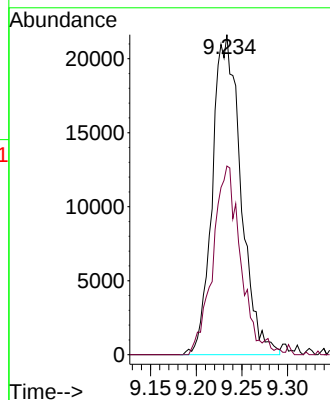
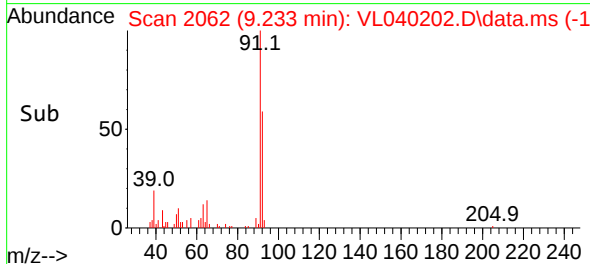
Instrument :
MSVOA_L
ClientSampleId :
IA-12DL



Tgt Ion: 91 Resp: 4680
Ion Ratio Lower Upper
91 100
92 0.0 48.9 73.3

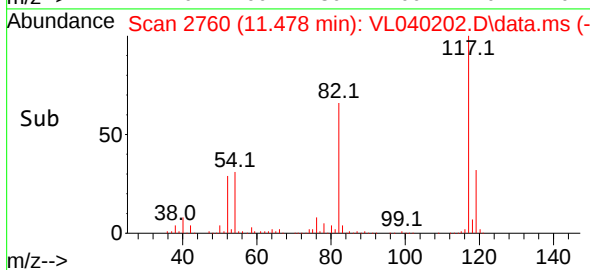
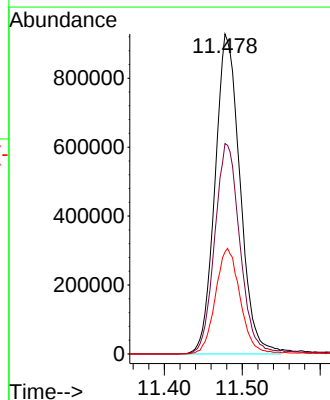
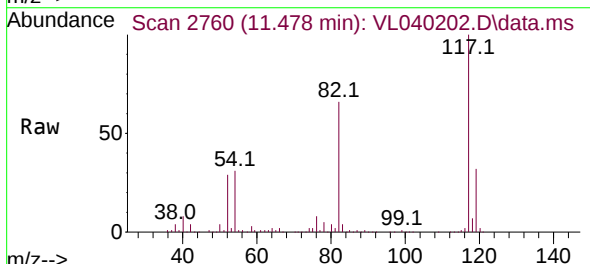
Manual Integrations
APPROVED

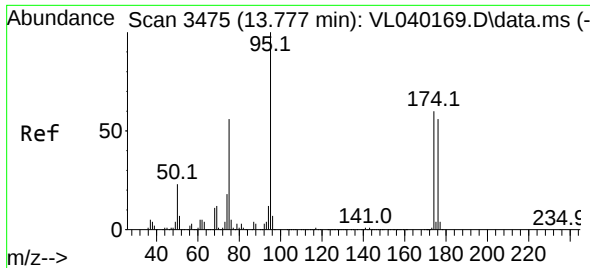
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 2760
Delta R.T. -0.016 min
Lab File: VL040202.D
Acq: 21 Feb 2023 19:49

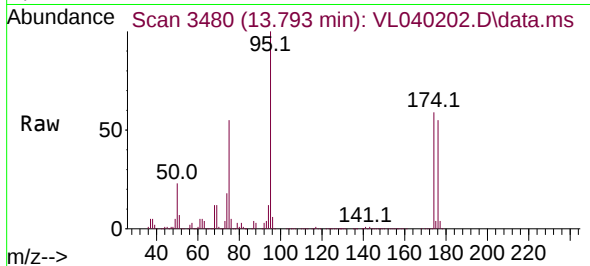
Tgt Ion:117 Resp: 2068544
Ion Ratio Lower Upper
117 100
82 67.7 53.3 79.9
119 33.2 24.6 37.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.857 ppbv
 RT: 13.793 min Scan# 3475
 Delta R.T. -0.013 min
 Lab File: VL040202.D
 Acq: 21 Feb 2023 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-12DL



Tgt Ion: 95 Resp: 1676590
 Ion Ratio Lower Upper
 95 100
 174 60.6 48.2 72.2
 175 4.1 3.4 5.2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023
 Supervised By :Mahesh Dadoda 02/23/2023

