

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
 Data File : VL040697.D
 Acq On : 18 Sep 2023 13:32
 Operator : SY/MD
 Sample : 04471-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

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

Quant Time: Sep 19 05:17:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 18 2023
 QLast Update : Tue Sep 19 05:12:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	1174183	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	3034075	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2717515	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	2179024	10.378	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.735	85	26674	0.103	ppbv #	86
9) Propene	2.706	41	28641	0.520	ppbv	98
10) Heptane	7.587	43	24238m	0.195	ppbv	
13) Ethanol	3.253	45	52935m	3.245	ppbv	
15) Acetone	3.478	43	985638	6.364	ppbv	93
17) tert-Butyl alcohol	3.902	59	24649m	0.155	ppbv	
19) Isopropyl Alcohol	3.600	45	20971m	0.225	ppbv	
20) Methylene Chloride	3.941	84	194076	2.328	ppbv	96
23) Vinyl Acetate	4.639	43	221630	1.384	ppbv	98
26) Hexane	5.224	57	497418	4.211	ppbv #	36
28) Methyl tert-Butyl Ether	4.603	73	14858m	0.146	ppbv	
34) 2-Butanone	4.803	43	194542m	1.275	ppbv	
52) Tetrachloroethene	10.629	164	91575m	1.250	ppbv	
53) Toluene	9.236	91	34630	0.146	ppbv	96

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

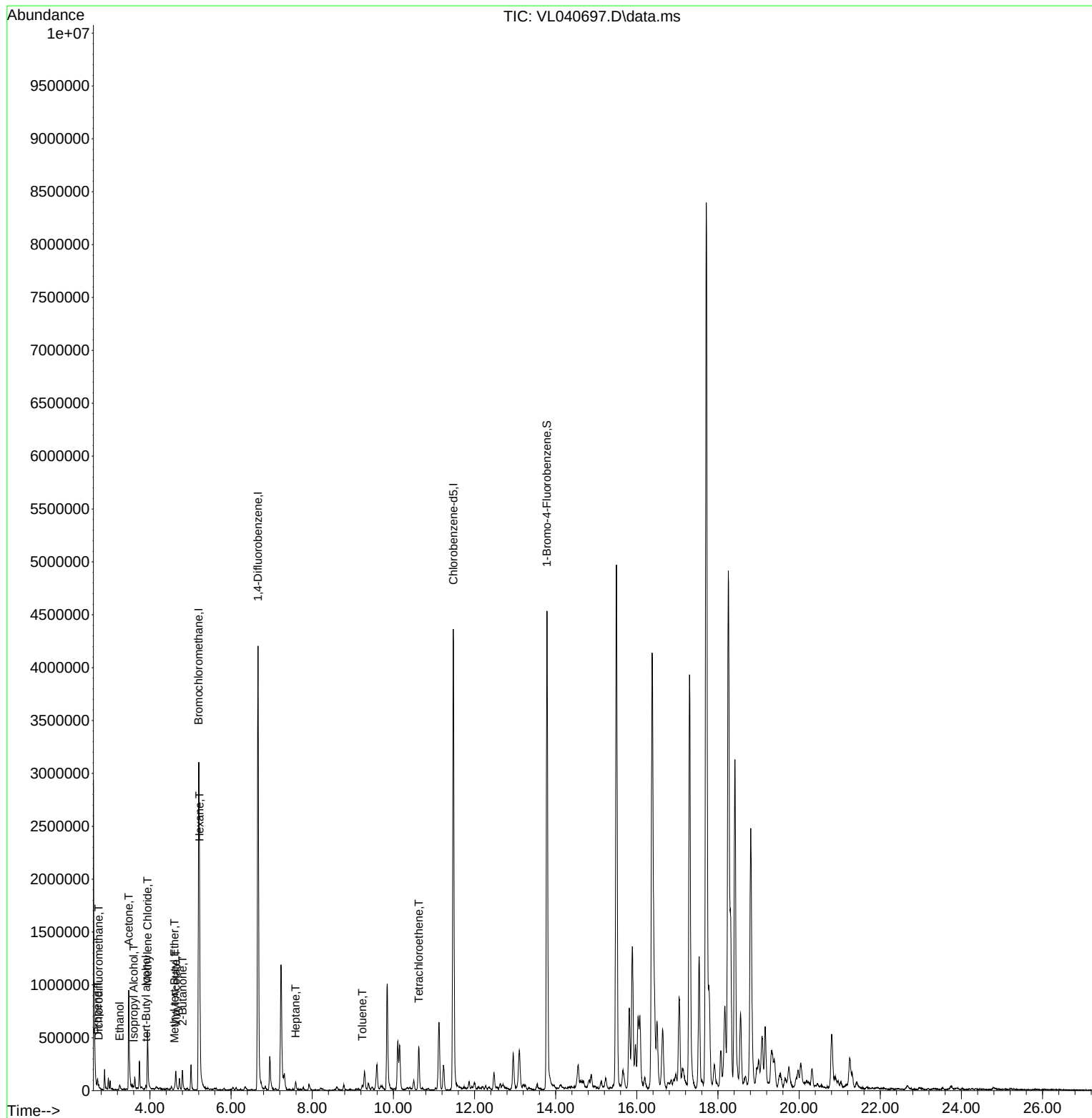
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
Data File : VL040697.D
Acq On : 18 Sep 2023 13:32
Operator : SY/MD
Sample : 04471-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

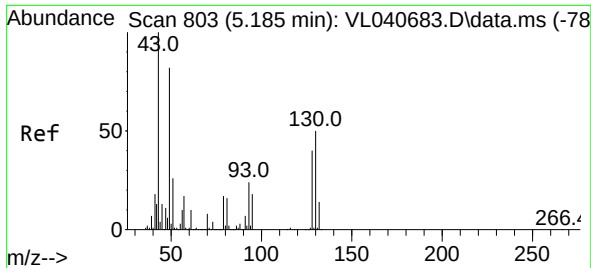
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Sep 19 05:17:54 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Sep 19 05:12:43 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

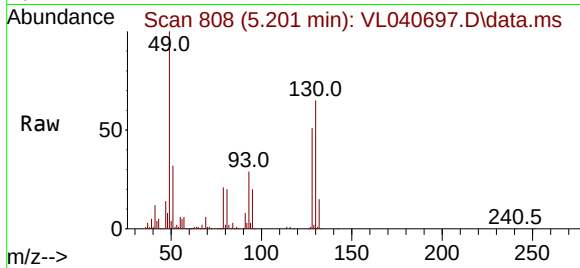
Reviewed By : Semsettin Yesilyurt 09/19/2023
Supervised By : Mahesh Dadoda 09/19/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL040697.D
Acq: 18 Sep 2023 13:32

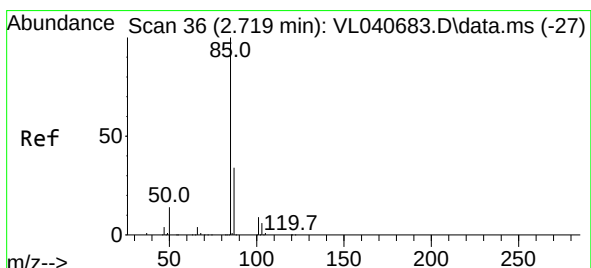
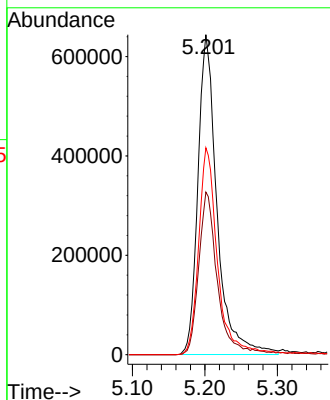
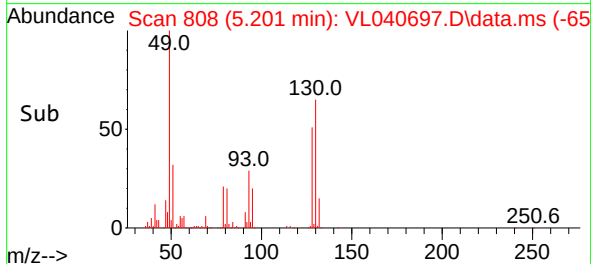
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 117418
Ion Ratio Lower Upper
49 100
128 50.3 25.4 76.0
130 64.7 32.3 96.8

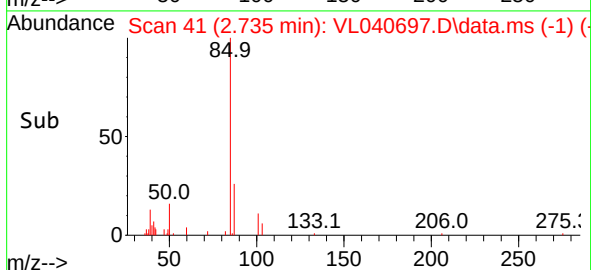
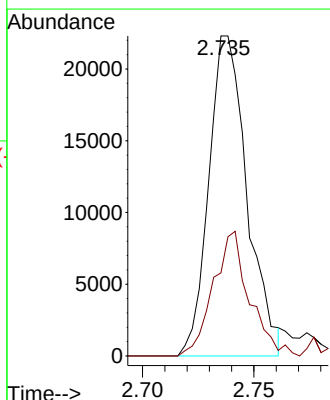
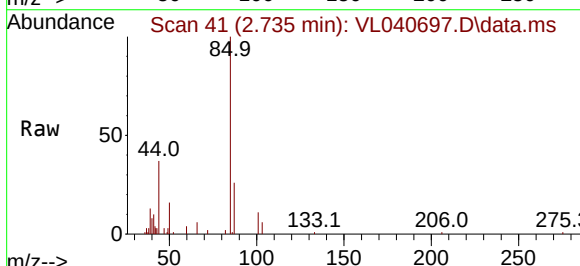
Manual Integrations
APPROVED

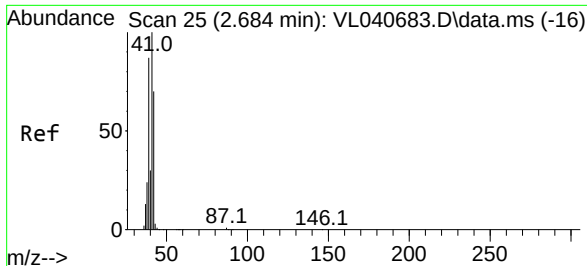
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#2
Dichlorodifluoromethane
Concen: 0.103 ppbv
RT: 2.735 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040697.D
Acq: 18 Sep 2023 13:32

Tgt Ion: 85 Resp: 26674
Ion Ratio Lower Upper
85 100
87 26.0 27.2 40.8





#9

Propene

Concen: 0.520 ppbv

RT: 2.706 min Scan# 31

Delta R.T. 0.010 min

Lab File: VL040697.D

Acq: 18 Sep 2023 13:32

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 41 Resp: 2864

Ion Ratio Lower Upper

41 100

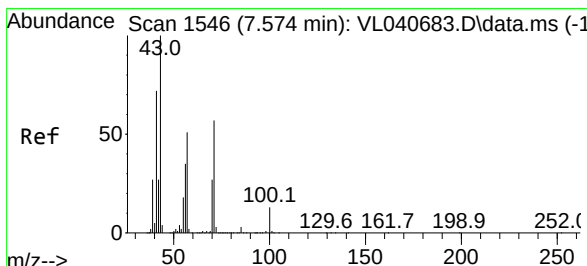
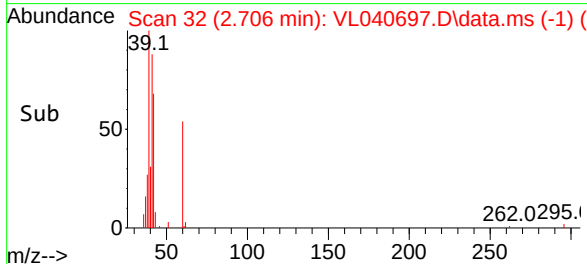
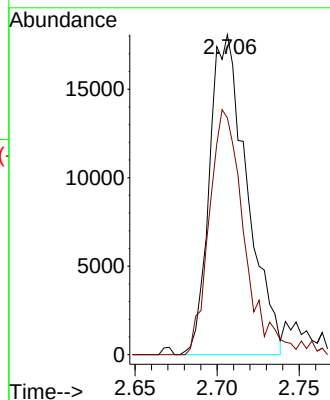
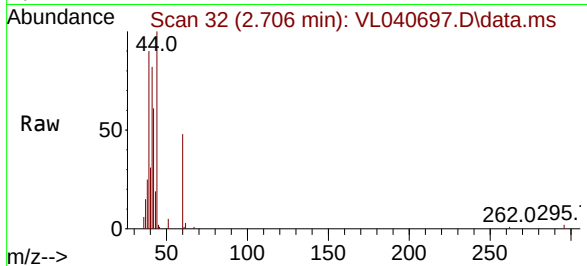
42 72.6 56.7 85.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2023

Supervised By :Mahesh Dadoda 09/19/2023



#10

Heptane

Concen: 0.195 ppbv m

RT: 7.587 min Scan# 1550

Delta R.T. -0.000 min

Lab File: VL040697.D

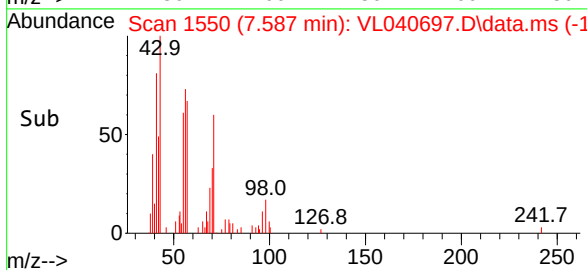
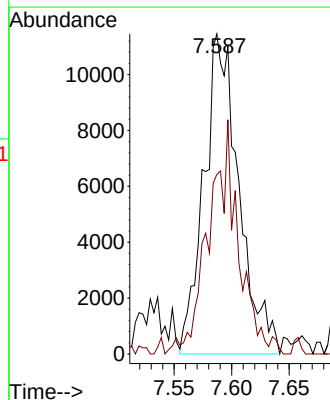
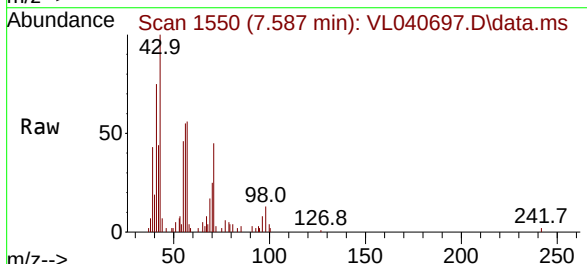
Acq: 18 Sep 2023 13:32

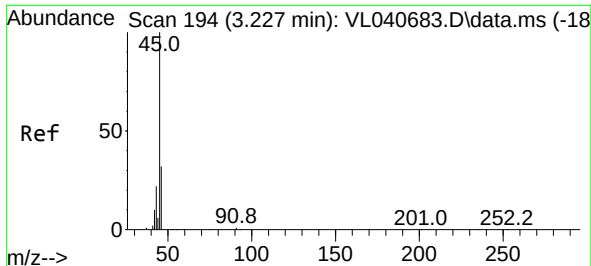
Tgt Ion: 43 Resp: 24238

Ion Ratio Lower Upper

43 100

57 63.8 41.8 62.6





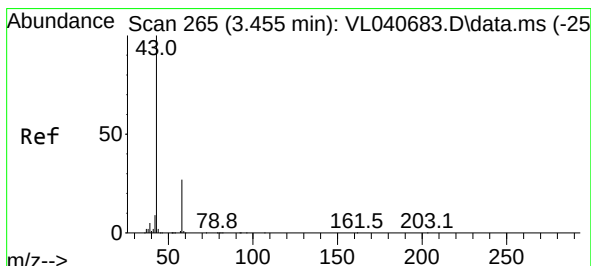
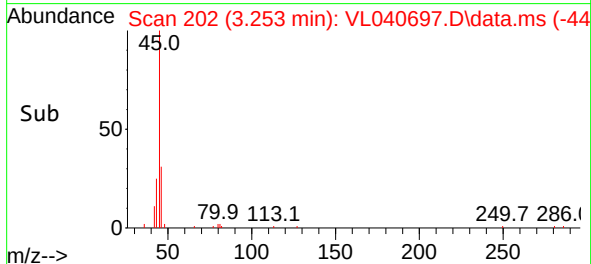
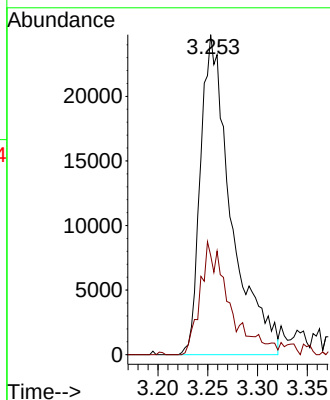
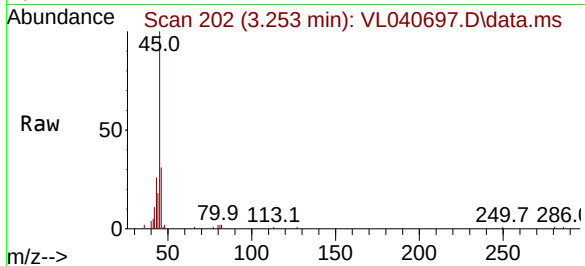
#13
Ethanol
Concen: 3.245 ppbv m
RT: 3.253 min Scan# 202
Delta R.T. 0.010 min
Lab File: VL040697.D
Acq: 18 Sep 2023 13:32

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 45 Resp: 52938
Ion Ratio Lower Upper
45 100
46 35.4 15.2 61.0

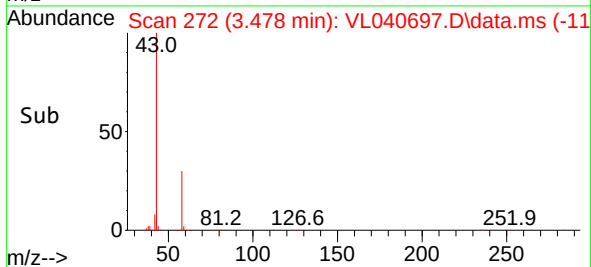
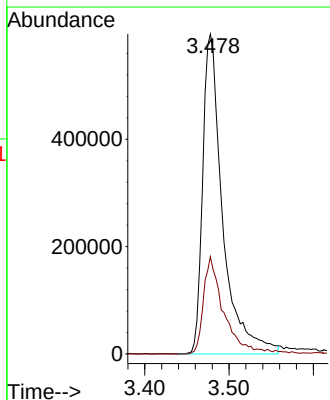
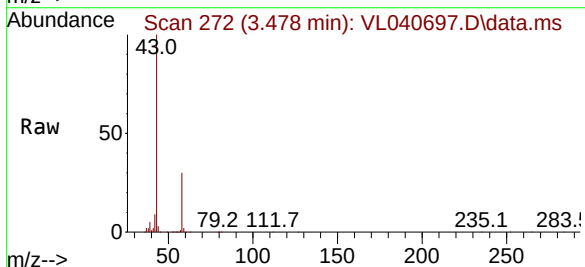
Manual Integrations
APPROVED

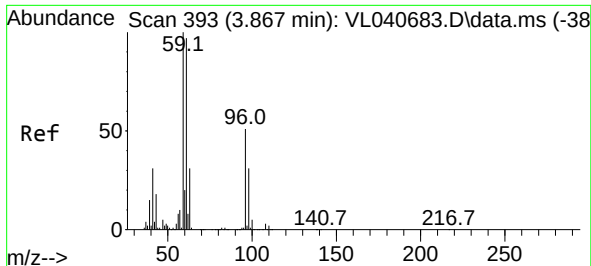
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#15
Acetone
Concen: 6.364 ppbv
RT: 3.478 min Scan# 272
Delta R.T. 0.006 min
Lab File: VL040697.D
Acq: 18 Sep 2023 13:32

Tgt Ion: 43 Resp: 985638
Ion Ratio Lower Upper
43 100
58 32.0 22.6 34.0





#17

tert-Butyl alcohol

Concen: 0.155 ppbv m

RT: 3.902 min Scan# 404

Delta R.T. 0.019 min

Lab File: VL040697.D

Acq: 18 Sep 2023 13:32

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 59 Resp: 24649

Ion Ratio Lower Upper

59 100

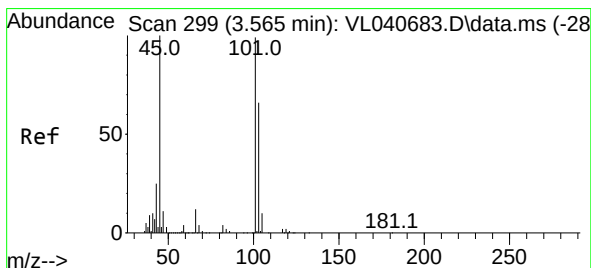
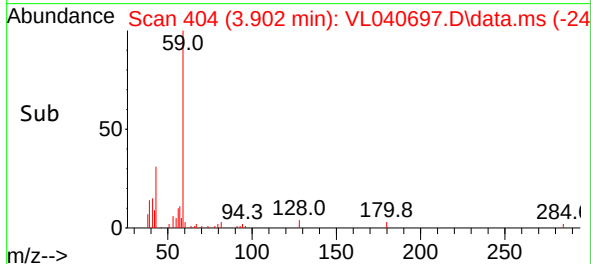
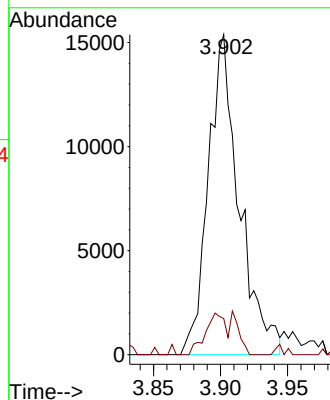
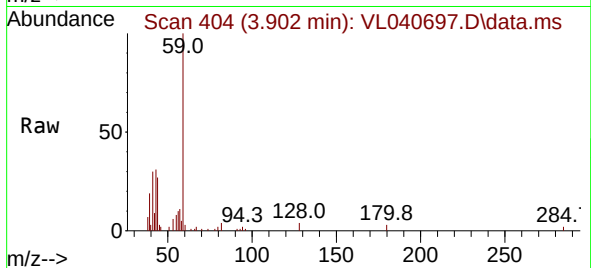
57 12.3 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2023

Supervised By :Mahesh Dadoda 09/19/2023



#19

Isopropyl Alcohol

Concen: 0.225 ppbv m

RT: 3.600 min Scan# 310

Delta R.T. 0.022 min

Lab File: VL040697.D

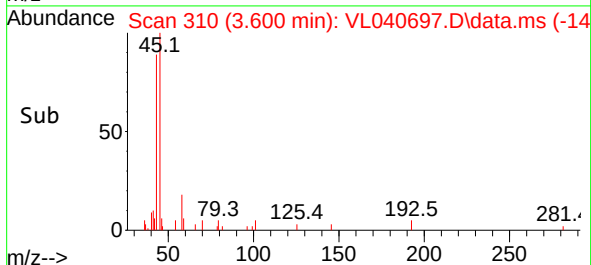
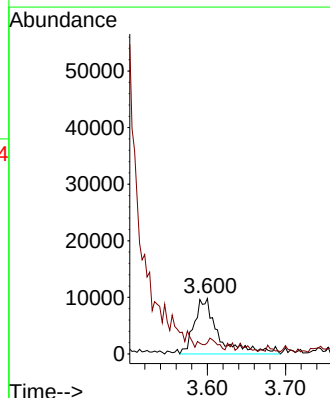
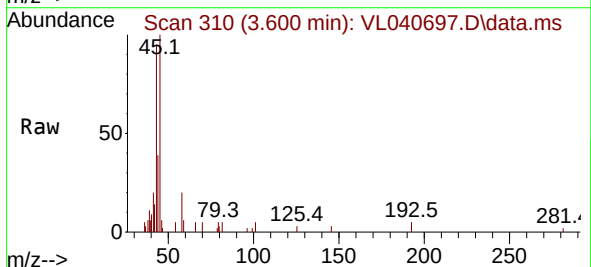
Acq: 18 Sep 2023 13:32

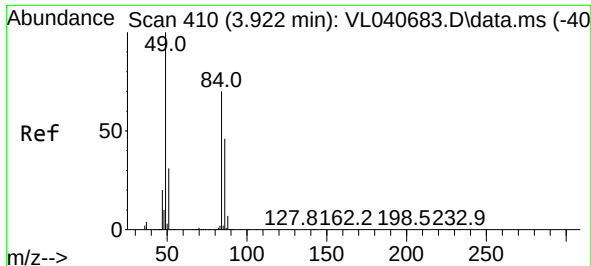
Tgt Ion: 45 Resp: 20971

Ion Ratio Lower Upper

45 100

58 0.0 1.9 2.9#





#20

Methylene Chloride

Concen: 2.328 ppbv

RT: 3.941 min Scan# 410

Delta R.T. 0.003 min

Lab File: VL040697.D

Acq: 18 Sep 2023 13:32

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 84 Resp: 194070

Ion Ratio Lower Upper

84 100

49 141.4 114.4 171.6

51 38.5 35.5 53.3

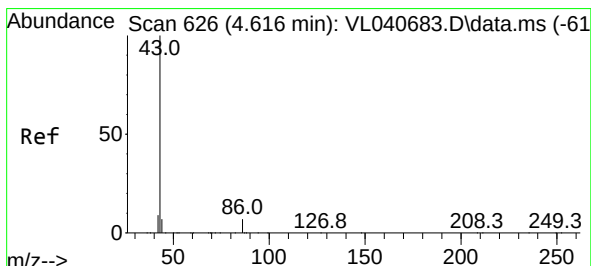
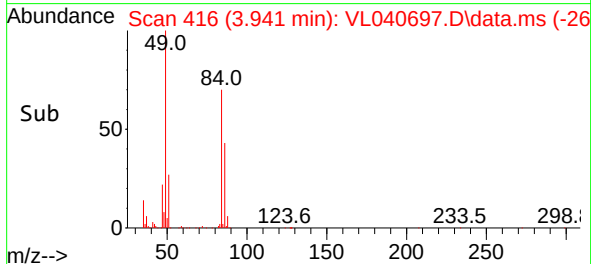
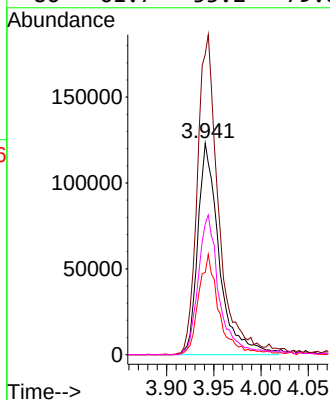
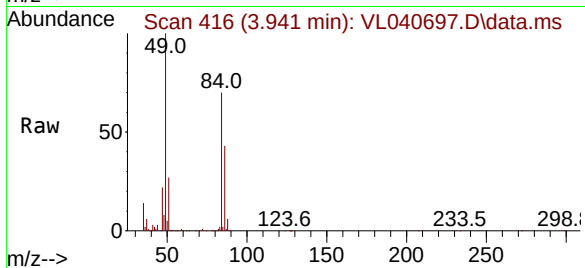
86 61.7 53.2 79.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2023

Supervised By :Mahesh Dadoda 09/19/2023



#23

Vinyl Acetate

Concen: 1.384 ppbv

RT: 4.639 min Scan# 633

Delta R.T. 0.006 min

Lab File: VL040697.D

Acq: 18 Sep 2023 13:32

Tgt Ion: 43 Resp: 221630

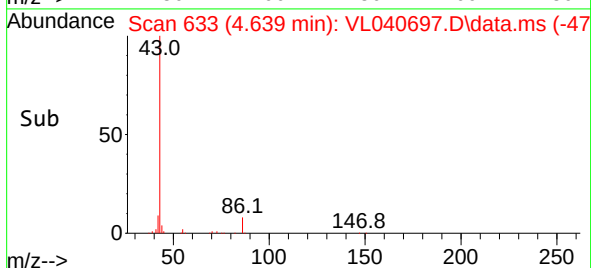
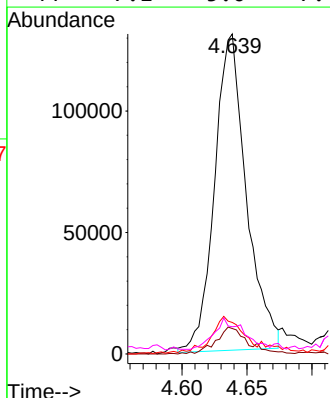
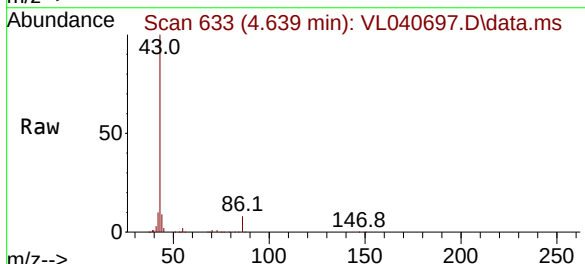
Ion Ratio Lower Upper

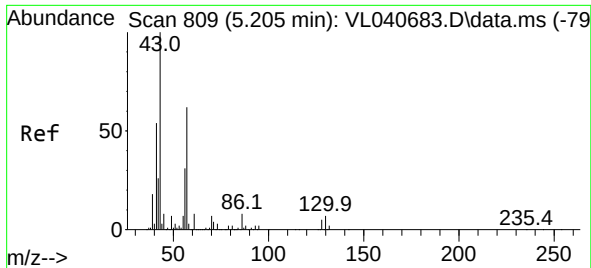
43 100

86 8.1 5.6 8.4

42 9.6 7.6 11.4

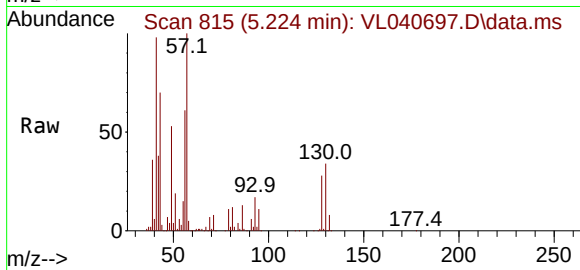
44 7.1 5.0 7.4





#26
Hexane
Concen: 4.211 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.003 min
Lab File: VL040697.D
Acq: 18 Sep 2023 13:32

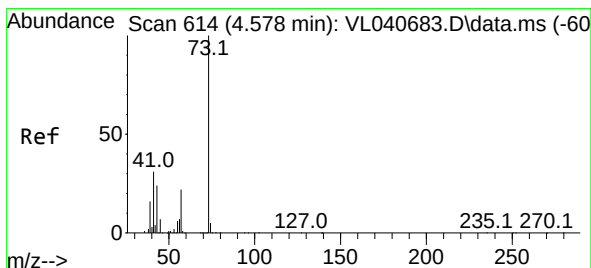
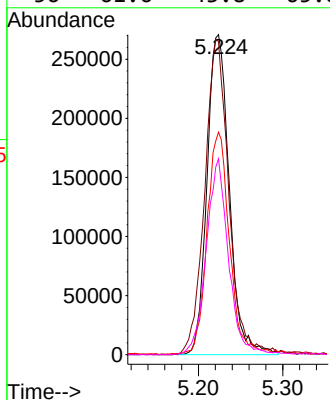
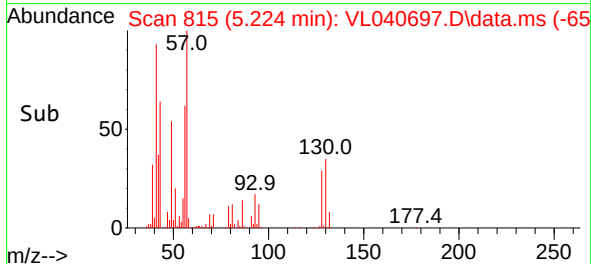
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 57 Resp: 497418
Ion Ratio Lower Upper
57 100
41 108.1 75.2 112.8
43 70.1 185.6 278.4
56 61.6 43.8 65.8

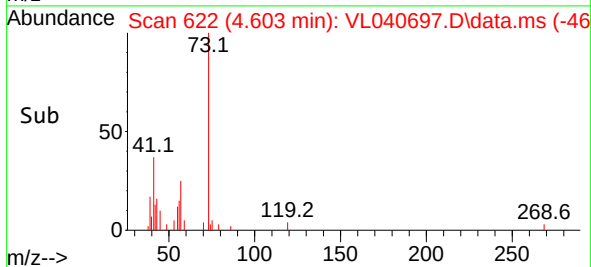
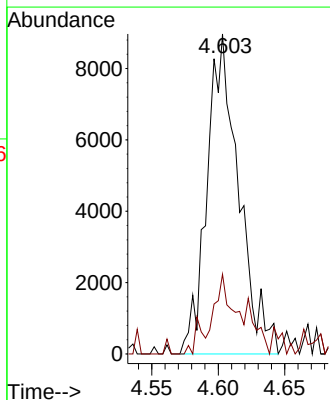
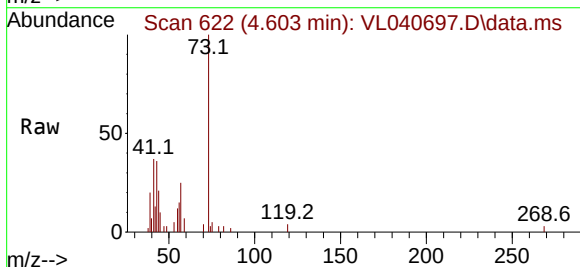
Manual Integrations
APPROVED

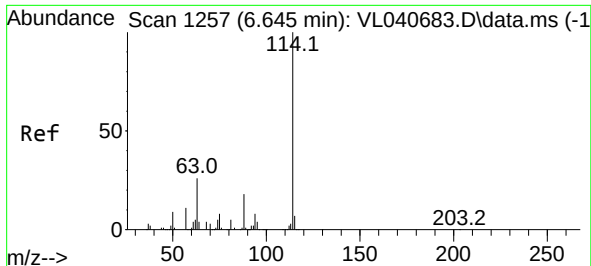
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#28
Methyl tert-Butyl Ether
Concen: 0.146 ppbv m
RT: 4.603 min Scan# 622
Delta R.T. 0.013 min
Lab File: VL040697.D
Acq: 18 Sep 2023 13:32

Tgt Ion: 73 Resp: 14858
Ion Ratio Lower Upper
73 100
57 26.5 18.8 28.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL040697.D

Acq: 18 Sep 2023 13:32

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion:114 Resp: 303407

Ion Ratio Lower Upper

114 100

63 25.6 21.1 31.7

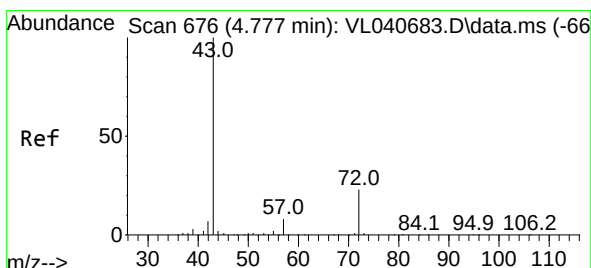
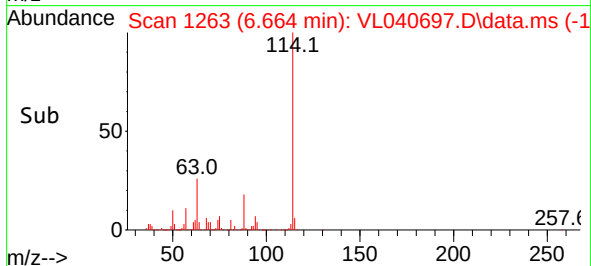
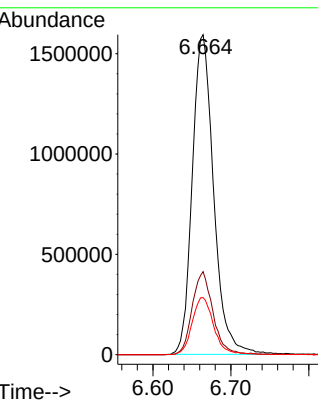
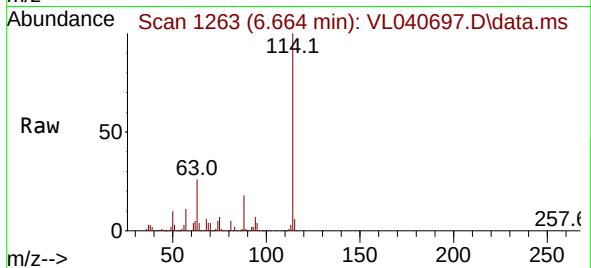
88 18.2 14.5 21.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2023

Supervised By :Mahesh Dadoda 09/19/2023



#34

2-Butanone

Concen: 1.275 ppbv m

RT: 4.803 min Scan# 684

Delta R.T. 0.013 min

Lab File: VL040697.D

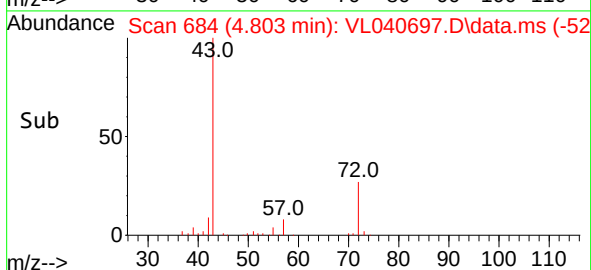
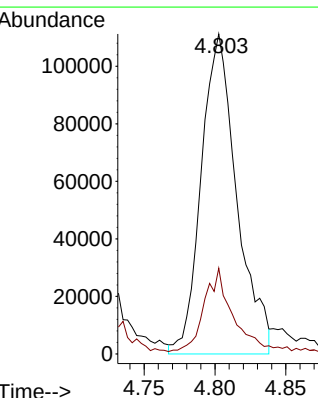
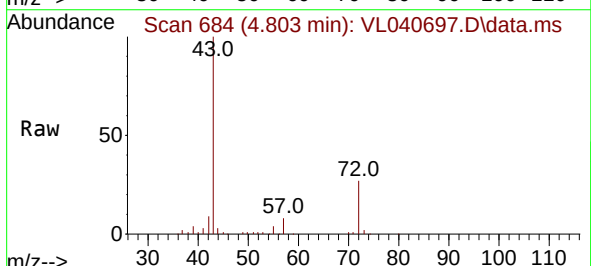
Acq: 18 Sep 2023 13:32

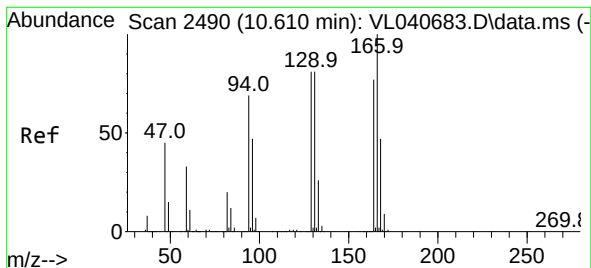
Tgt Ion: 43 Resp: 194542

Ion Ratio Lower Upper

43 100

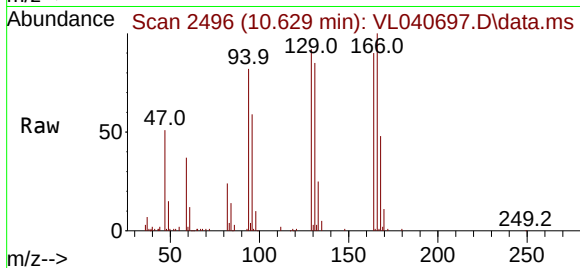
72 24.2 18.6 27.8





#52
Tetrachloroethene
Concen: 1.250 ppbv m
RT: 10.629 min Scan# 2496
Delta R.T. 0.003 min
Lab File: VL040697.D
Acq: 18 Sep 2023 13:32

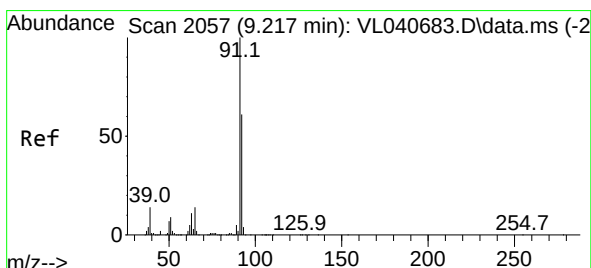
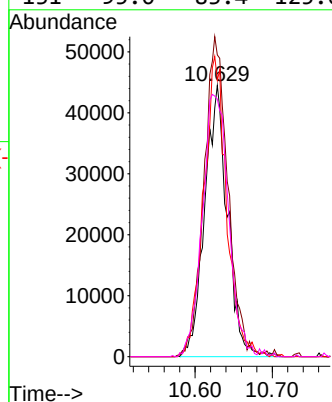
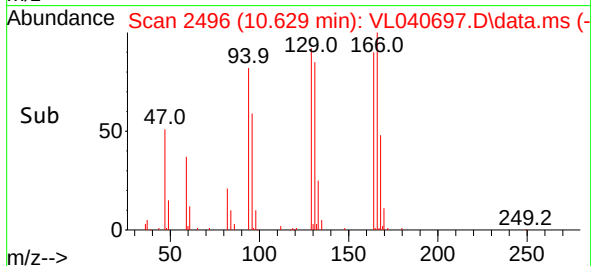
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:164 Resp: 9157
Ion Ratio Lower Upper
164 100
166 111.3 103.4 155.2
129 101.9 83.5 125.3
131 95.0 83.4 125.0

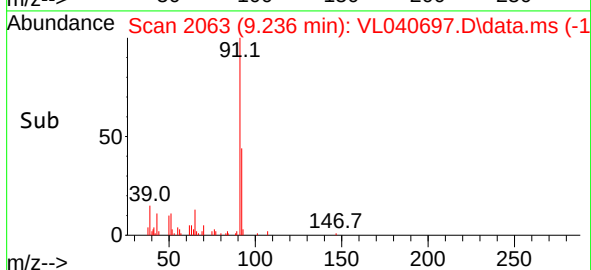
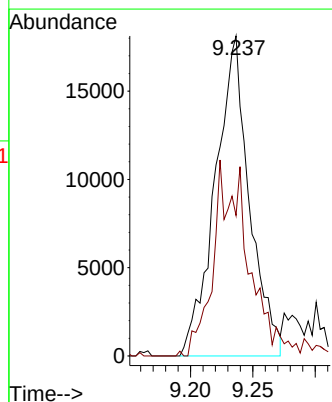
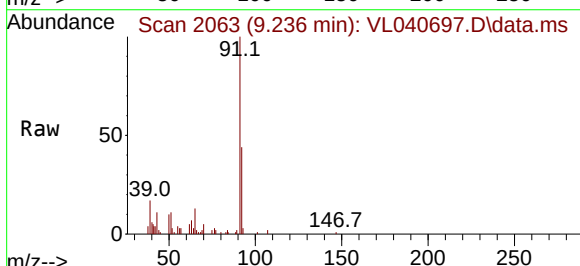
Manual Integrations
APPROVED

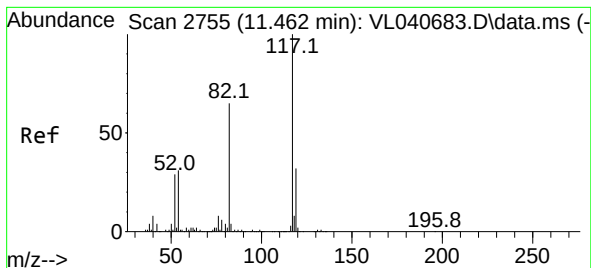
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#53
Toluene
Concen: 0.146 ppbv
RT: 9.236 min Scan# 2063
Delta R.T. 0.006 min
Lab File: VL040697.D
Acq: 18 Sep 2023 13:32

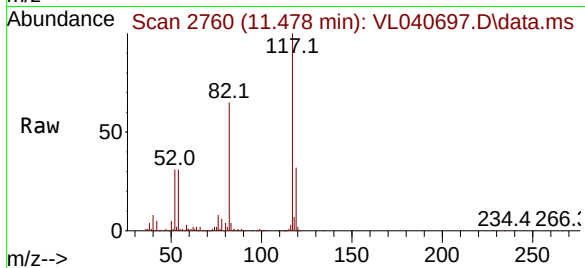
Tgt Ion: 91 Resp: 34630
Ion Ratio Lower Upper
91 100
92 63.7 48.5 72.7





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 2755
Delta R.T. -0.000 min
Lab File: VL040697.D
Acq: 18 Sep 2023 13:32

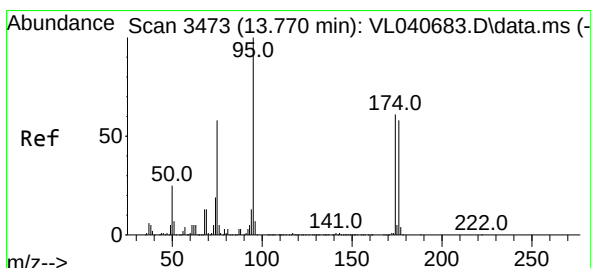
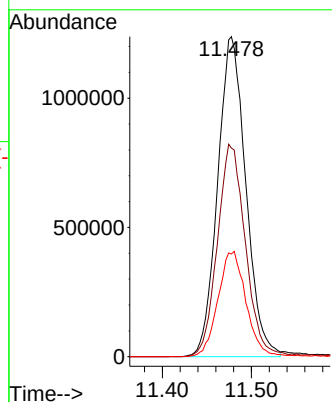
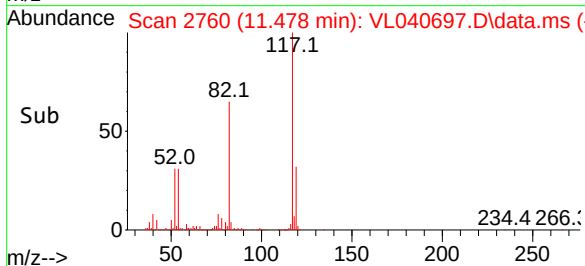
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 117 Resp: 271751
Ion Ratio Lower Upper
117 100
82 66.8 51.4 77.0
119 33.1 24.7 37.1

Manual Integrations
APPROVED

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



#68
1-Bromo-4-Fluorobenzene
Concen: 10.378 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. -0.000 min
Lab File: VL040697.D
Acq: 18 Sep 2023 13:32

Tgt Ion: 95 Resp: 2179024
Ion Ratio Lower Upper
95 100
174 61.9 48.9 73.3
175 4.3 3.5 5.3

