

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030823\
 Data File : VL040251.D
 Acq On : 8 Mar 2023 13:00
 Operator : SY/MD
 Sample : 01836-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DC-3723-IADUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/09/2023
 Supervised By :Mahesh Dadoda 03/09/2023

Quant Time: Mar 09 04:11:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Wed Mar 01 04:21:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	859787	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.639	114	2123144	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.455	117	1761738	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1391245	9.604	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.716	85	37698	0.235	ppbv	96
3) Chlorodifluoromethane	2.658	51	64960	0.632	ppbv	95
4) Chloromethane	2.796	50	26399	0.409	ppbv	90
9) Propene	2.687	41	22669	0.541	ppbv #	79
11) Trichlorofluoromethane	3.546	101	32618	0.227	ppbv	99
13) Ethanol	3.234	45	51477	13.356	ppbv	87
15) Acetone	3.452	43	1451469	14.022	ppbv	99
20) Methylene Chloride	3.919	84	392373	7.281	ppbv	96
26) Hexane	5.198	57	237561	2.876	ppbv #	38
34) 2-Butanone	4.783	43	35398	0.338	ppbv	96
35) Carbon Tetrachloride	6.478	117	9403m	0.075	ppbv	
36) Benzene	6.356	78	17479m	0.106	ppbv	
52) Tetrachloroethene	10.606	164	70156	1.360	ppbv	97

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

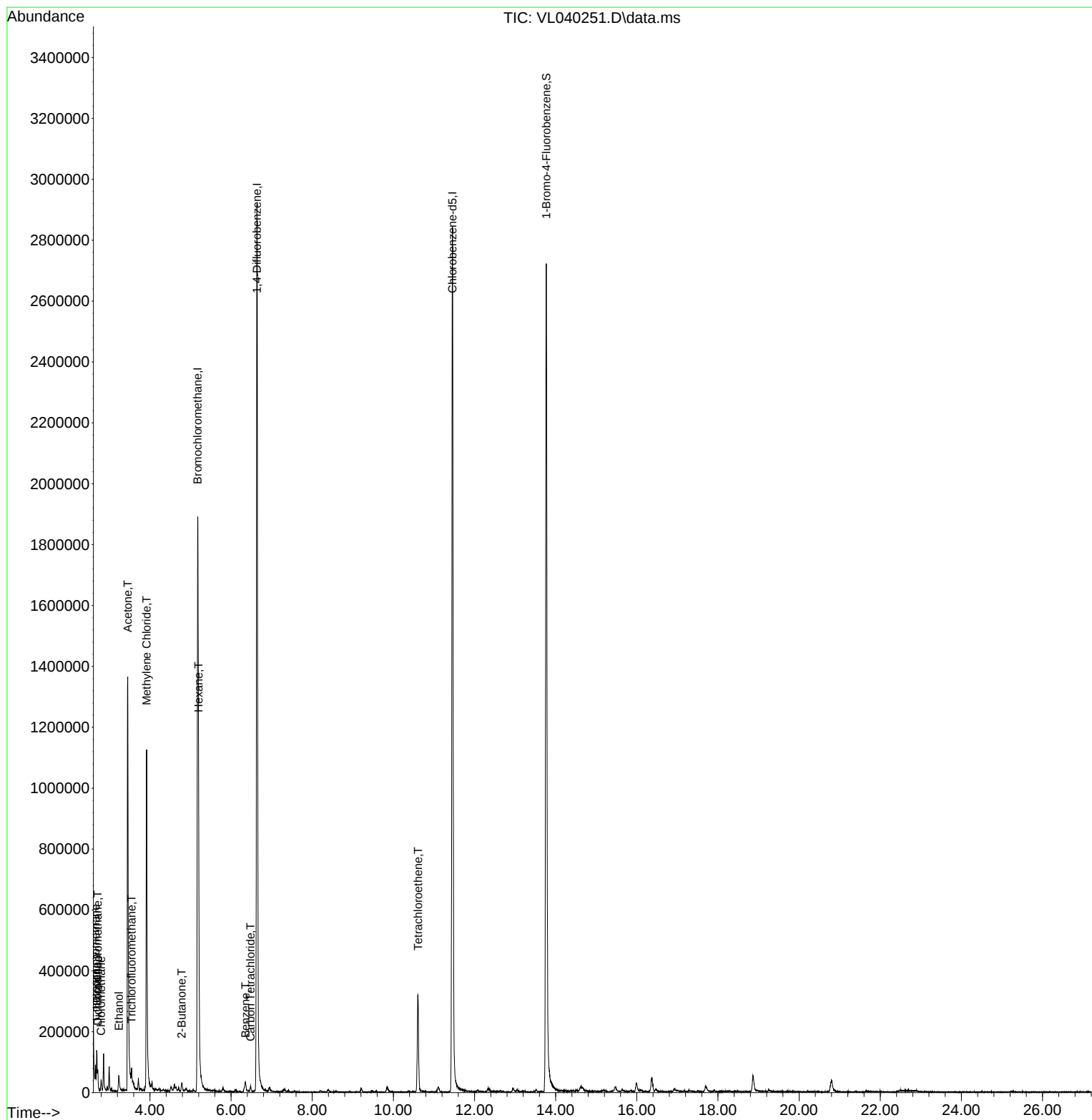
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030823\
Data File : VL040251.D
Acq On : 8 Mar 2023 13:00
Operator : SY/MD
Sample : 01836-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

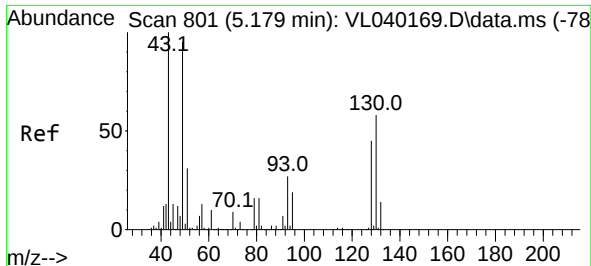
Instrument :
MSVOA_L
ClientSampleId :
DC-3723-IADUP

Quant Time: Mar 09 04:11:37 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 Mar 01 04:21:39 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

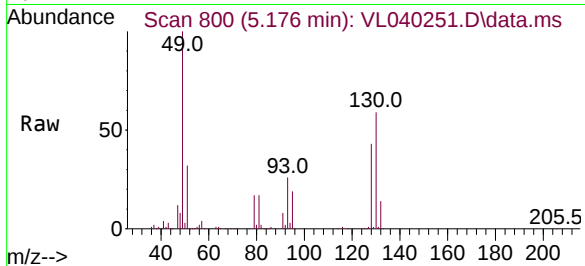
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. -0.025 min
Lab File: VL040251.D
Acq: 8 Mar 2023 13:00

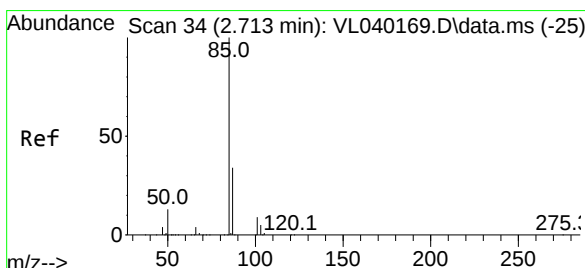
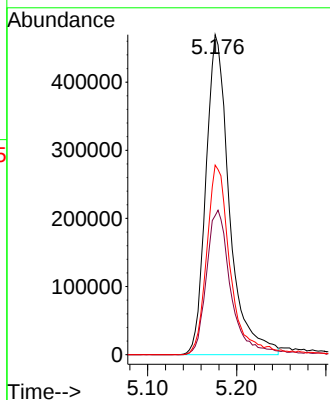
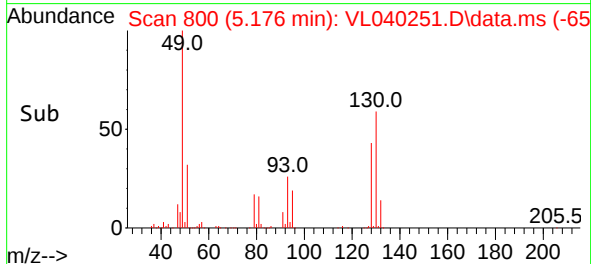
Instrument :
MSVOA_L
ClientSampleId :
DC-3723-IADUP



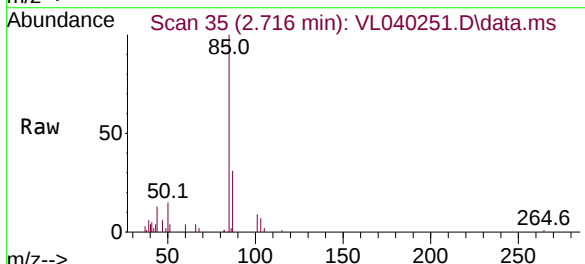
Tgt Ion: 49 Resp: 85978
Ion Ratio Lower Upper
49 100
128 48.3 24.1 72.3
130 60.7 30.9 92.8

Manual Integrations
APPROVED

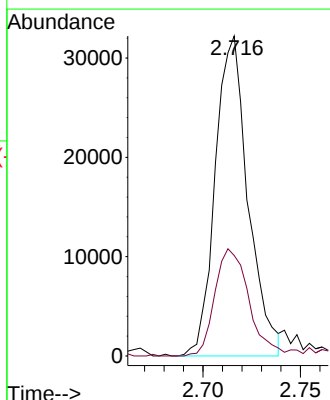
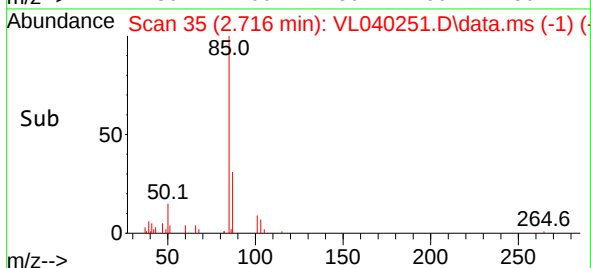
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023

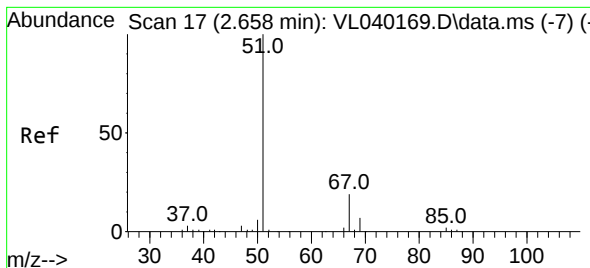


#2
Dichlorodifluoromethane
Concen: 0.235 ppbv
RT: 2.716 min Scan# 35
Delta R.T. -0.010 min
Lab File: VL040251.D
Acq: 8 Mar 2023 13:00



Tgt Ion: 85 Resp: 37698
Ion Ratio Lower Upper
85 100
87 31.4 27.0 40.6





#3

Chlorodifluoromethane

Concen: 0.632 ppbv

RT: 2.658 min Scan# 17

Delta R.T. -0.013 min

Lab File: VL040251.D

Acq: 8 Mar 2023 13:00

Instrument :

MSVOA_L

ClientSampleId :

DC-3723-IADUP

Tgt Ion: 51 Resp: 64960

Ion Ratio Lower Upper

51 100

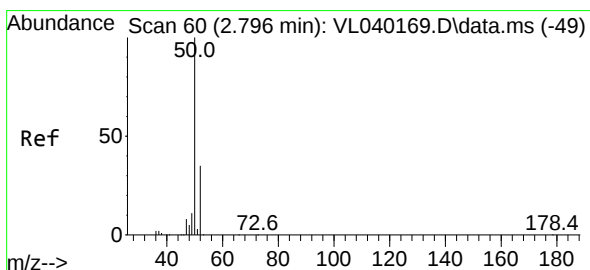
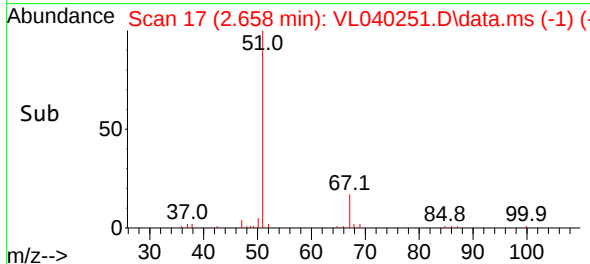
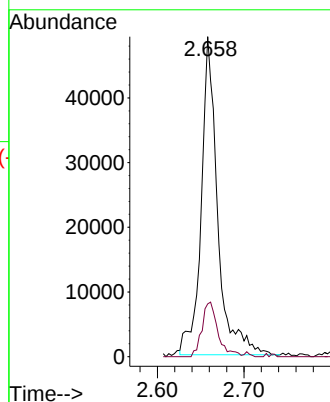
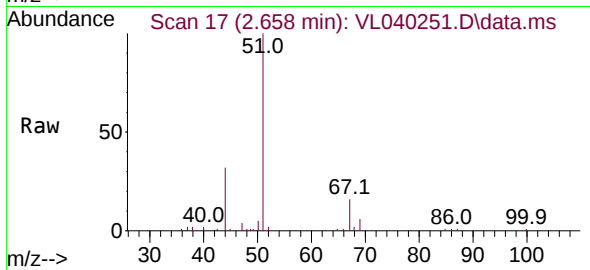
67 17.1 15.4 23.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/09/2023

Supervised By :Mahesh Dadoda 03/09/2023



#4

Chloromethane

Concen: 0.409 ppbv

RT: 2.796 min Scan# 60

Delta R.T. -0.016 min

Lab File: VL040251.D

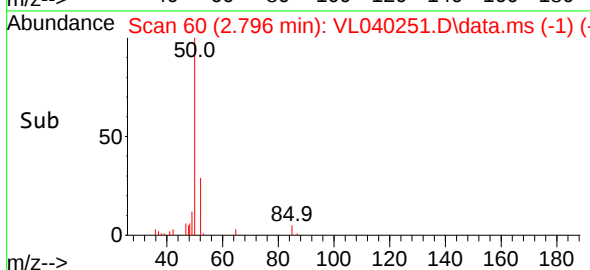
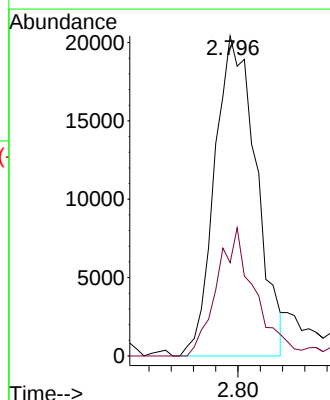
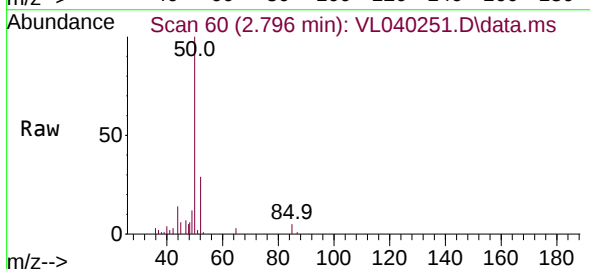
Acq: 8 Mar 2023 13:00

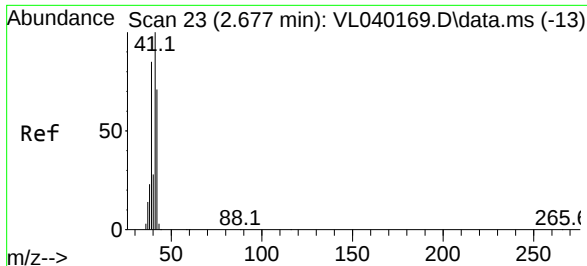
Tgt Ion: 50 Resp: 26399

Ion Ratio Lower Upper

50 100

52 29.6 28.3 42.5





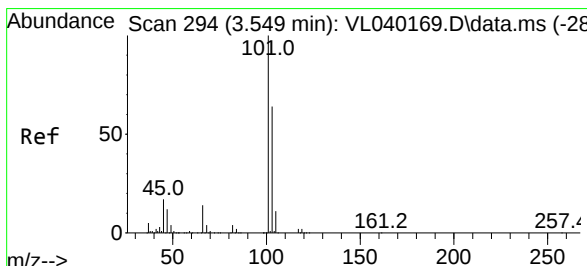
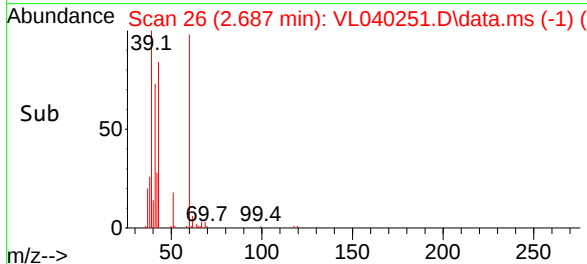
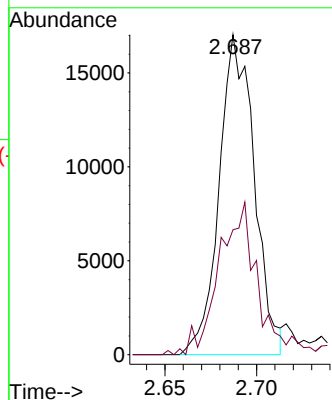
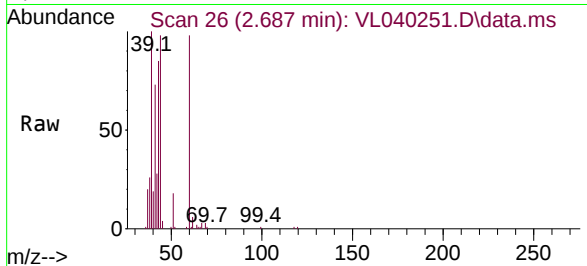
#9
Propene
Concen: 0.541 ppbv
RT: 2.687 min Scan# 20
Delta R.T. -0.003 min
Lab File: VL040251.D
Acq: 8 Mar 2023 13:00

Instrument :
MSVOA_L
ClientSampleId :
DC-3723-IADUP

Tgt Ion: 41 Resp: 22669
Ion Ratio Lower Upper
41 100
42 53.7 56.9 85.3

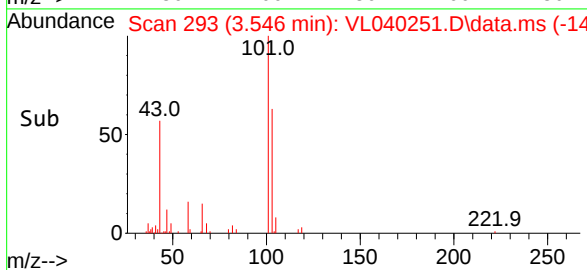
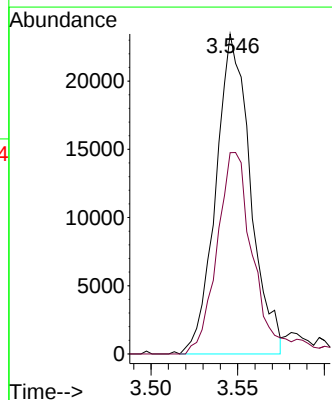
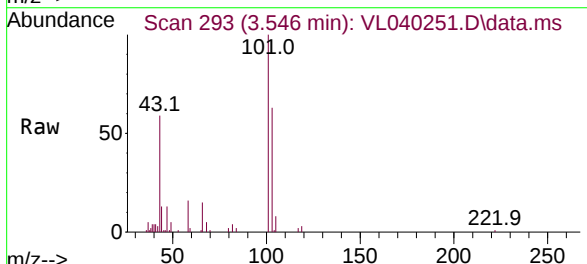
Manual Integrations
APPROVED

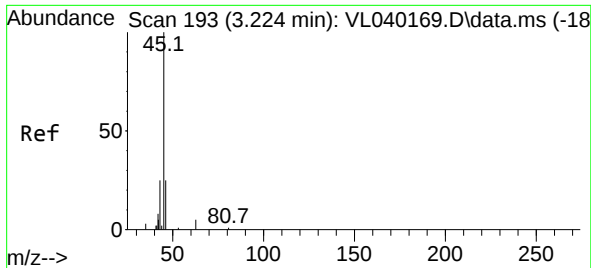
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#11
Trichlorofluoromethane
Concen: 0.227 ppbv
RT: 3.546 min Scan# 293
Delta R.T. -0.019 min
Lab File: VL040251.D
Acq: 8 Mar 2023 13:00

Tgt Ion:101 Resp: 32618
Ion Ratio Lower Upper
101 100
103 62.9 51.0 76.6





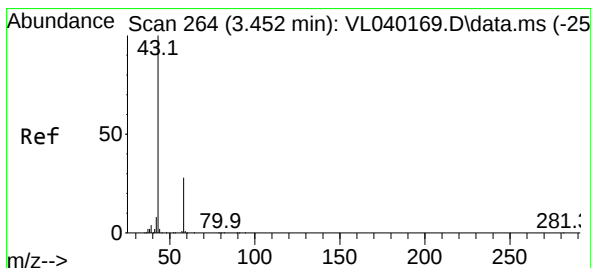
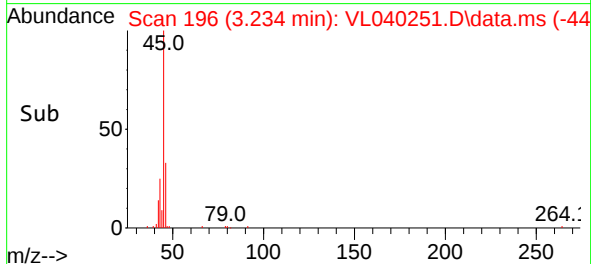
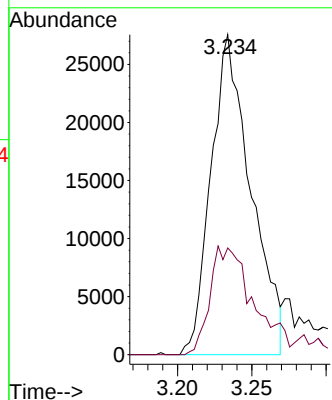
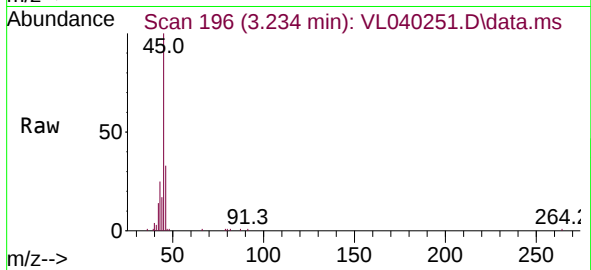
#13
Ethanol
Concen: 13.356 ppbv
RT: 3.234 min Scan# 193
Delta R.T. -0.013 min
Lab File: VL040251.D
Acq: 8 Mar 2023 13:00

Instrument :
MSVOA_L
ClientSampleId :
DC-3723-IADUP

Tgt Ion: 45 Resp: 5147
Ion Ratio Lower Upper
45 100
46 40.4 13.3 53.1

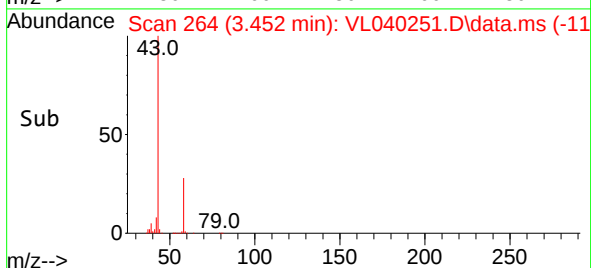
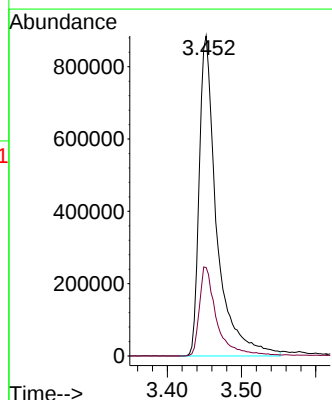
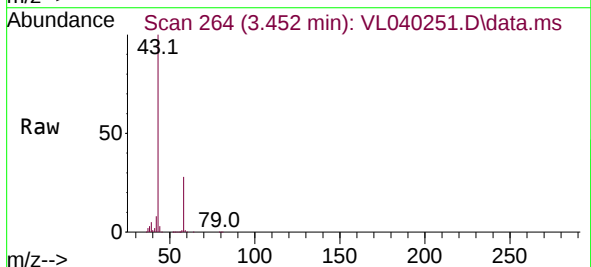
Manual Integrations
APPROVED

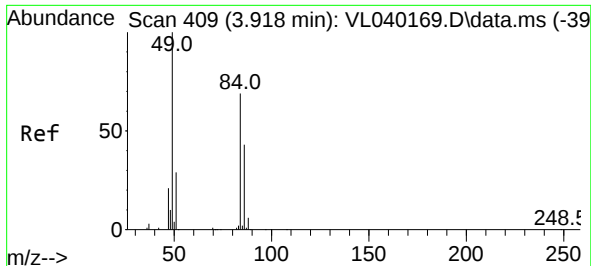
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#15
Acetone
Concen: 14.022 ppbv
RT: 3.452 min Scan# 264
Delta R.T. -0.016 min
Lab File: VL040251.D
Acq: 8 Mar 2023 13:00

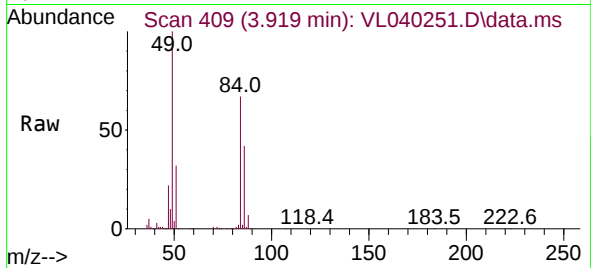
Tgt Ion: 43 Resp: 1451469
Ion Ratio Lower Upper
43 100
58 28.4 22.4 33.6





#20
Methylene Chloride
Concen: 7.281 ppbv
RT: 3.919 min Scan# 409
Delta R.T. -0.016 min
Lab File: VL040251.D
Acq: 8 Mar 2023 13:00

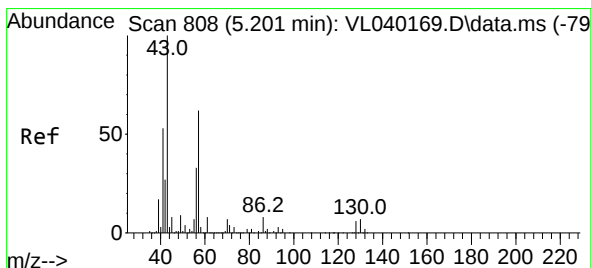
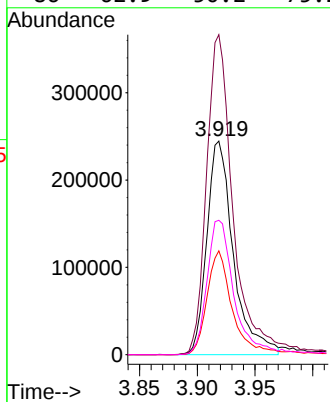
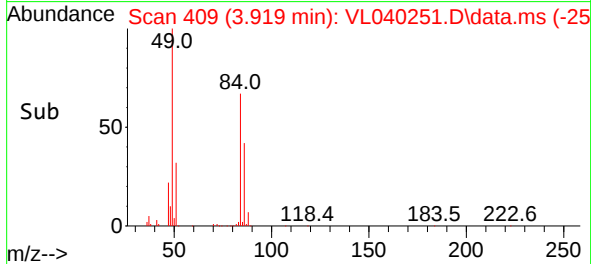
Instrument :
MSVOA_L
ClientSampleId :
DC-3723-IADUP



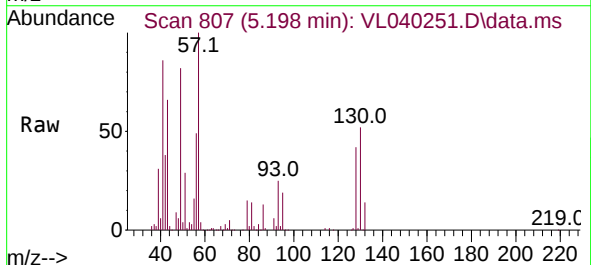
Tgt Ion: 84 Resp: 39237
Ion Ratio Lower Upper
84 100
49 149.6 115.5 173.3
51 48.5 33.1 49.7
86 62.9 50.2 75.2

Manual Integrations
APPROVED

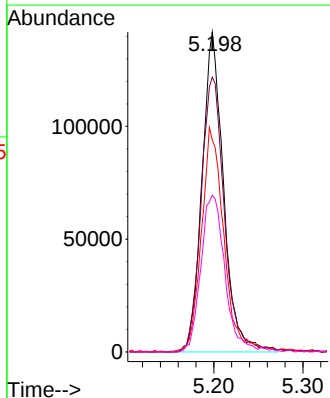
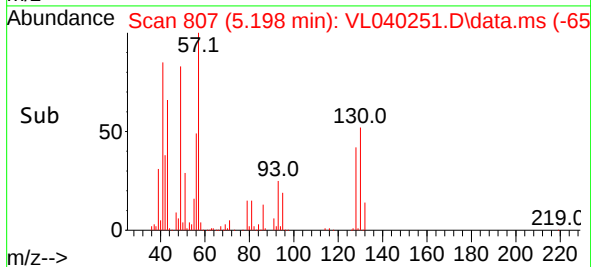
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023

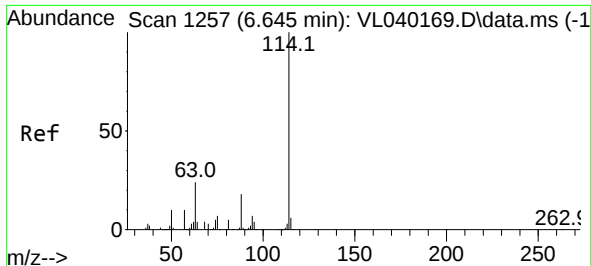


#26
Hexane
Concen: 2.876 ppbv
RT: 5.198 min Scan# 807
Delta R.T. -0.026 min
Lab File: VL040251.D
Acq: 8 Mar 2023 13:00



Tgt Ion: 57 Resp: 237561
Ion Ratio Lower Upper
57 100
41 93.9 74.3 111.5
43 73.9 193.0 289.4#
56 55.3 42.6 64.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 11

Delta R.T. -0.026 min

Lab File: VL040251.D

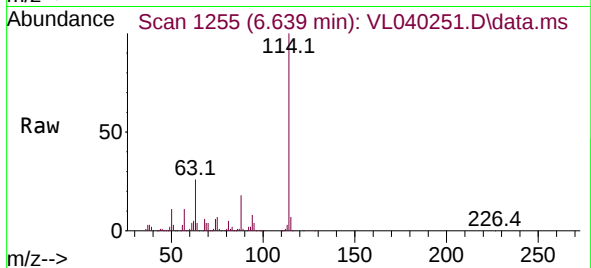
Acq: 8 Mar 2023 13:00

Instrument :

MSVOA_L

ClientSampleId :

DC-3723-IADUP



Tgt Ion:114 Resp: 212314

Ion Ratio Lower Upper

114 100

63 26.1 20.4 30.6

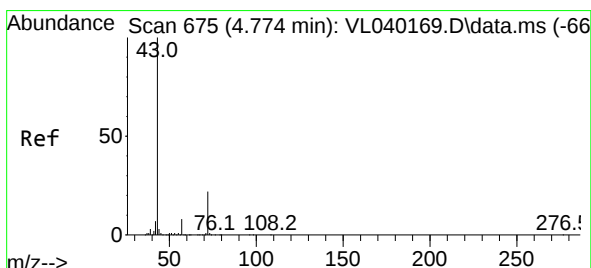
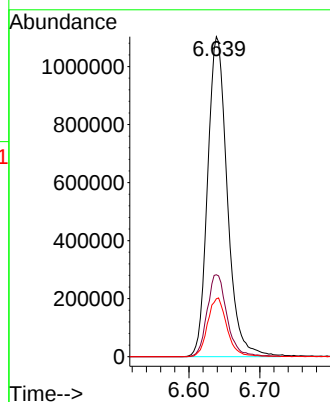
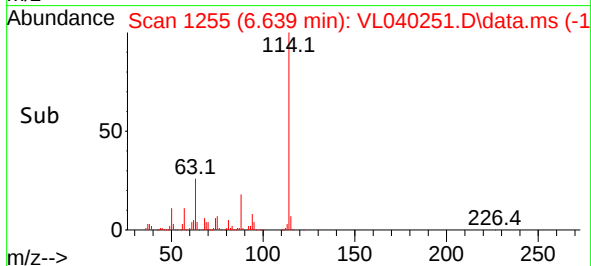
88 18.1 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/09/2023

Supervised By :Mahesh Dadoda 03/09/2023



#34

2-Butanone

Concen: 0.338 ppbv

RT: 4.783 min Scan# 678

Delta R.T. -0.010 min

Lab File: VL040251.D

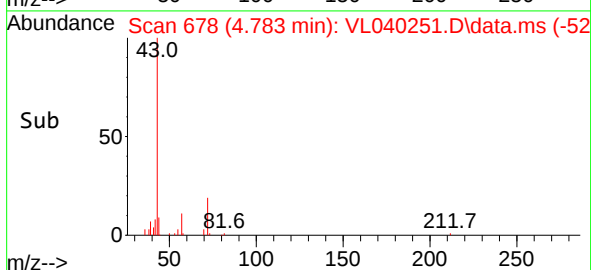
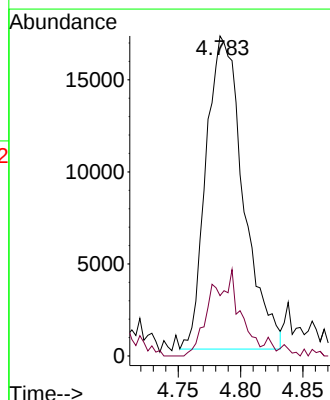
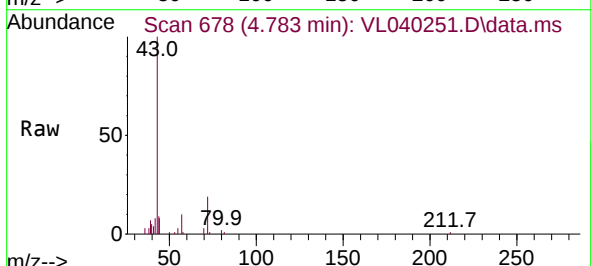
Acq: 8 Mar 2023 13:00

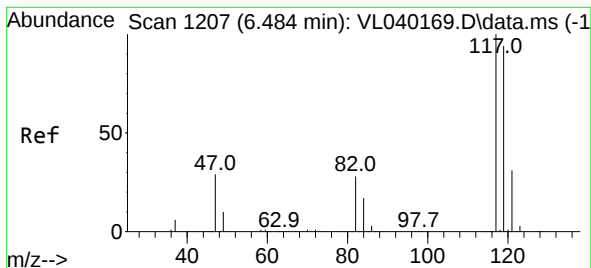
Tgt Ion: 43 Resp: 35398

Ion Ratio Lower Upper

43 100

72 24.4 17.8 26.8





#35

Carbon Tetrachloride

Concen: 0.075 ppbv m

RT: 6.478 min Scan# 1167

Delta R.T. -0.029 min

Lab File: VL040251.D

Acq: 8 Mar 2023 13:00

Instrument :

MSVOA_L

ClientSampleId :

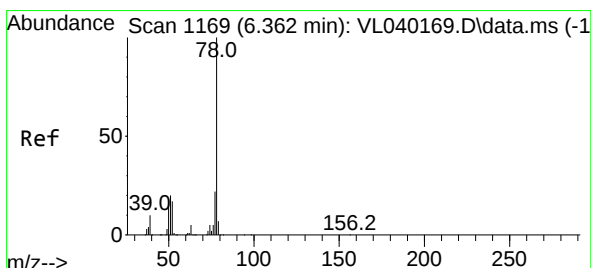
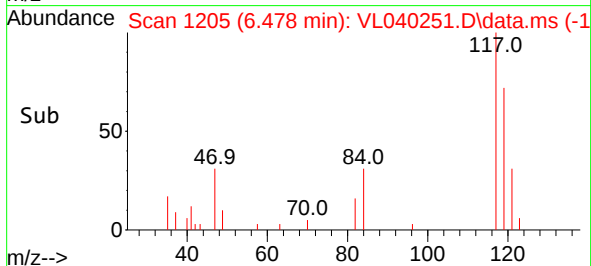
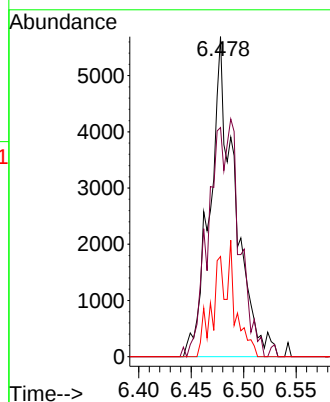
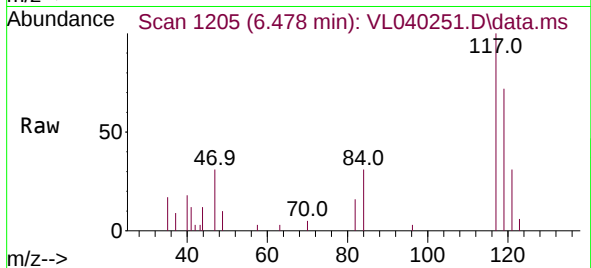
DC-3723-IADUP

Tgt Ion:	117	Resp:	940
Ion	Ratio	Lower	Upper
117	100		
119	71.6	75.0	112.6
121	31.3	25.0	37.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#36

Benzene

Concen: 0.106 ppbv m

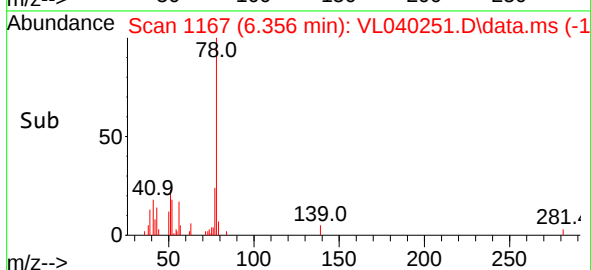
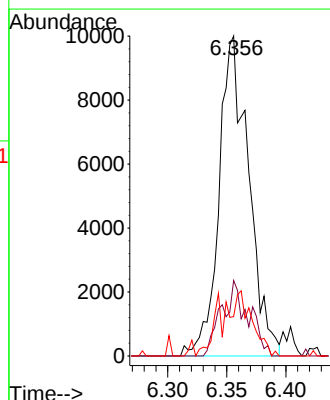
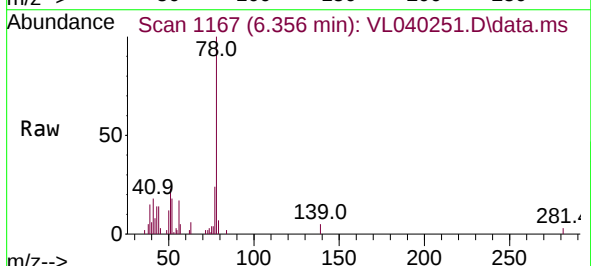
RT: 6.356 min Scan# 1167

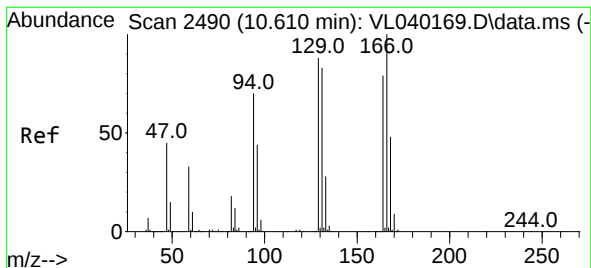
Delta R.T. -0.029 min

Lab File: VL040251.D

Acq: 8 Mar 2023 13:00

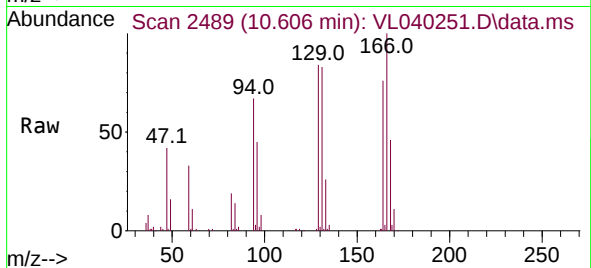
Tgt Ion:	78	Resp:	17479
Ion	Ratio	Lower	Upper
78	100		
77	23.6	17.5	26.3
50	12.3	14.6	22.0





#52
Tetrachloroethene
Concen: 1.360 ppbv
RT: 10.606 min Scan# 2490
Delta R.T. -0.029 min
Lab File: VL040251.D
Acq: 8 Mar 2023 13:00

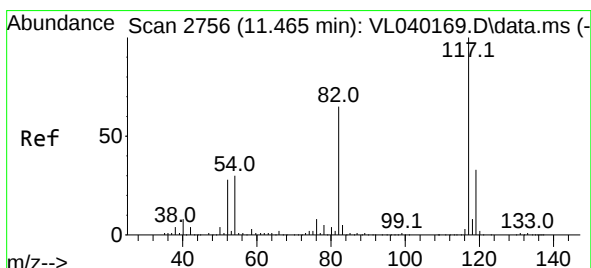
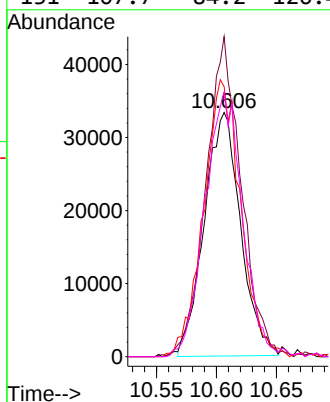
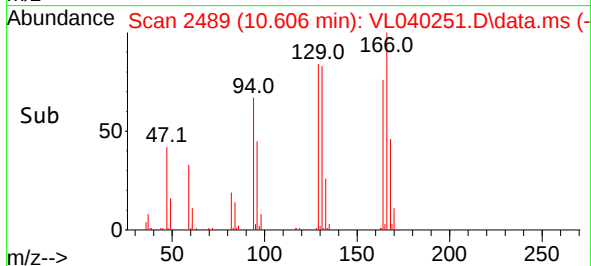
Instrument :
MSVOA_L
ClientSampleId :
DC-3723-IADUP



Tgt Ion:164 Resp: 70150
Ion Ratio Lower Upper
164 100
166 130.8 101.5 152.3
129 108.1 89.0 133.4
131 107.7 84.2 126.4

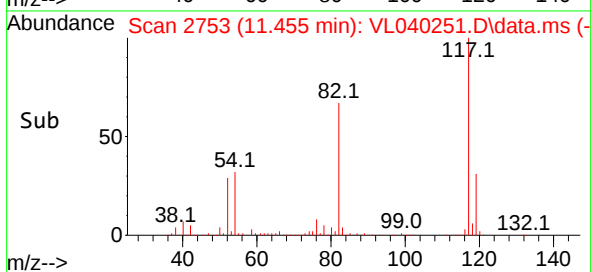
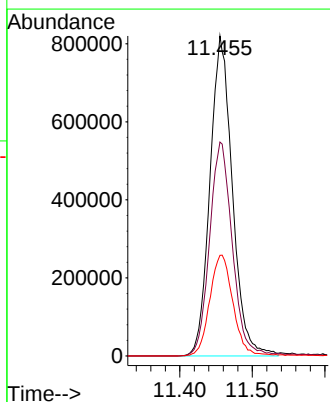
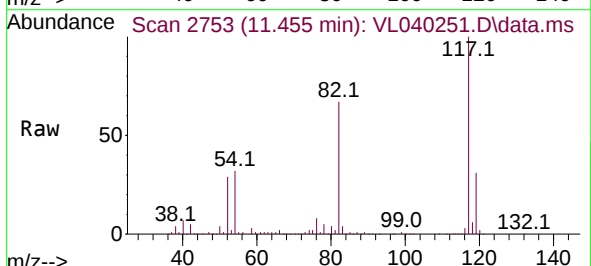
Manual Integrations
APPROVED

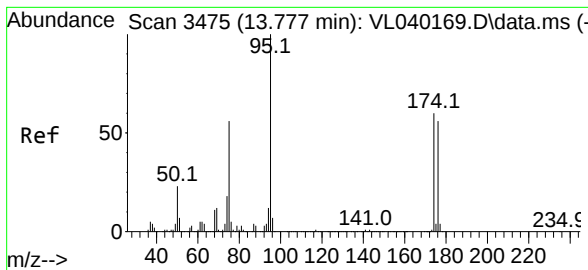
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 2753
Delta R.T. -0.032 min
Lab File: VL040251.D
Acq: 8 Mar 2023 13:00

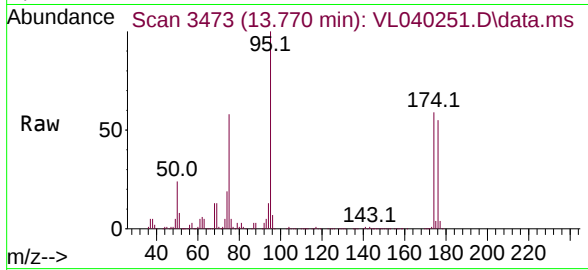
Tgt Ion:117 Resp: 1761738
Ion Ratio Lower Upper
117 100
82 68.9 53.3 79.9
119 33.2 24.6 37.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.604 ppbv
 RT: 13.770 min Scan# 3475
 Delta R.T. -0.026 min
 Lab File: VL040251.D
 Acq: 8 Mar 2023 13:00

Instrument :
 MSVOA_L
 ClientSampleId :
 DC-3723-IADUP



Tgt Ion: 95 Resp: 1391245

Ion	Ratio	Lower	Upper
95	100		
174	58.5	48.2	72.2
175	4.2	3.4	5.2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/09/2023
 Supervised By :Mahesh Dadoda 03/09/2023

