

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030823\
 Data File : VL040250.D
 Acq On : 8 Mar 2023 12:19
 Operator : SY/MD
 Sample : 01836-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DC-3723-IA

Manual Integrations
 APPROVED

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

Quant Time: Mar 09 04:11:10 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	825023	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.639	114	2114820	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.455	117	1796786	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1439148	9.740	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.716	85	39013	0.254	ppbv	94
3) Chlorodifluoromethane	2.658	51	68559	0.696	ppbv	95
4) Chloromethane	2.803	50	26869	0.434	ppbv	91
9) Propene	2.693	41	23300	0.580	ppbv #	78
11) Trichlorofluoromethane	3.549	101	33228	0.241	ppbv	99
13) Ethanol	3.234	45	51467m	13.916	ppbv	
15) Acetone	3.452	43	1421571	14.312	ppbv	99
20) Methylene Chloride	3.919	84	232835	4.503	ppbv	90
26) Hexane	5.198	57	162466	2.050	ppbv #	37
34) 2-Butanone	4.783	43	37860m	0.363	ppbv	
35) Carbon Tetrachloride	6.475	117	9630m	0.077	ppbv	
36) Benzene	6.353	78	16916m	0.103	ppbv	
52) Tetrachloroethene	10.603	164	72006	1.401	ppbv	96

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

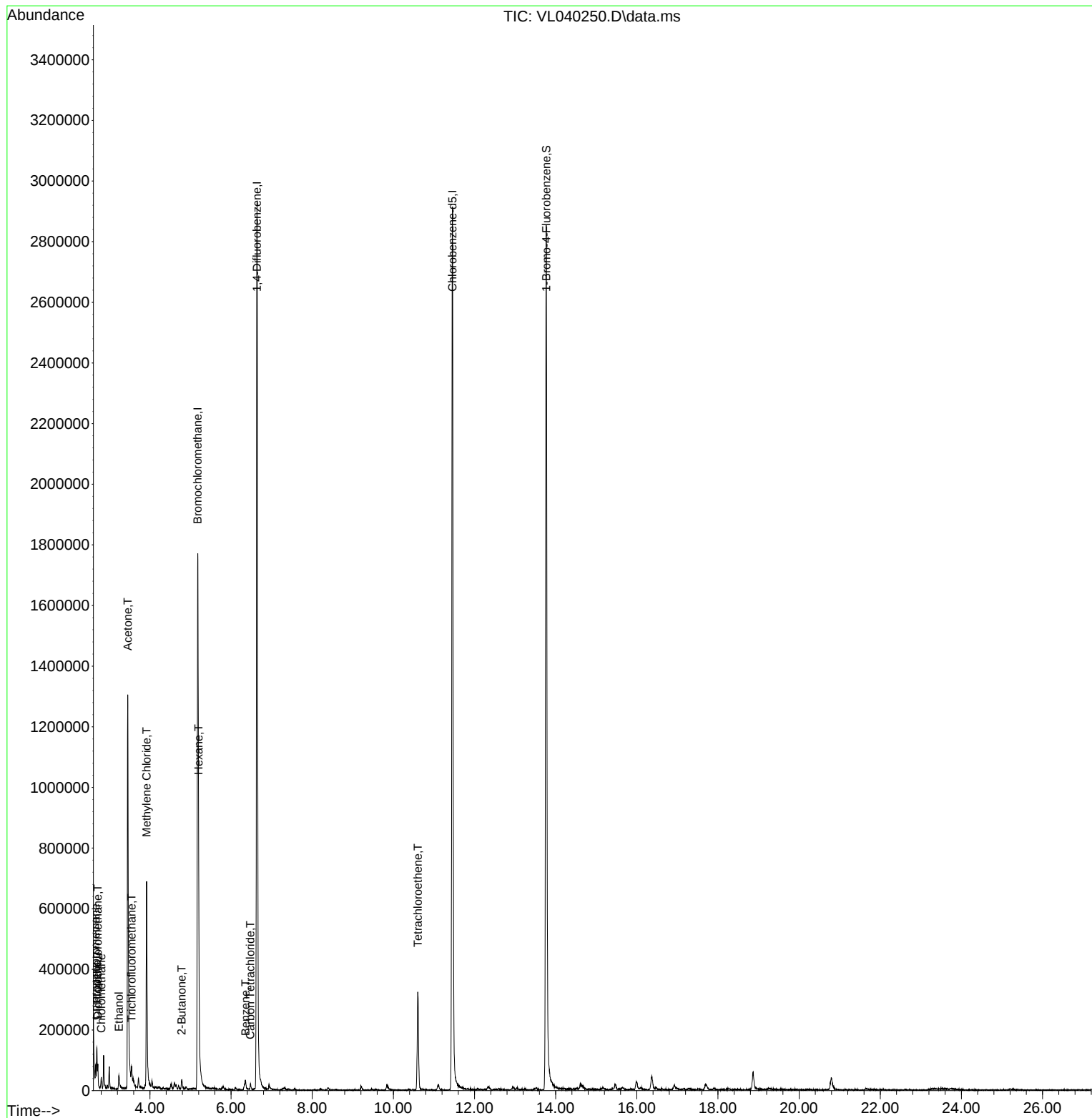
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030823\
Data File : VL040250.D
Acq On : 8 Mar 2023 12:19
Operator : SY/MD
Sample : 01836-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

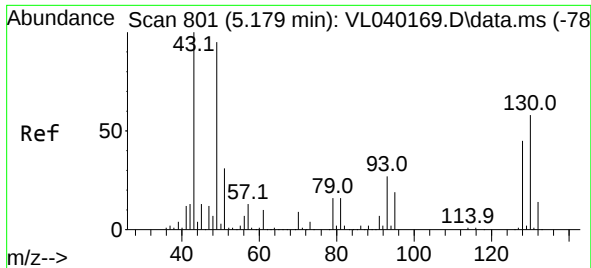
Instrument :
MSVOA_L
ClientSampleId :
DC-3723-IA

Quant Time: Mar 09 04:11:10 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

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Supervised By :Mahesh Dadoda 03/09/2023





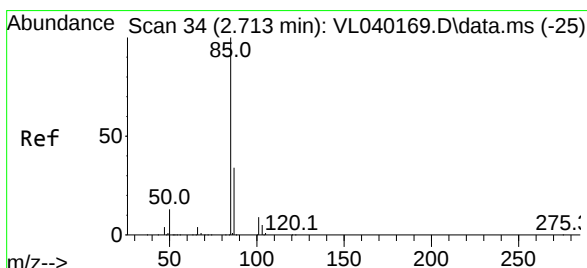
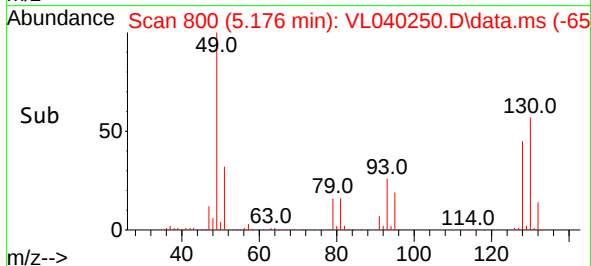
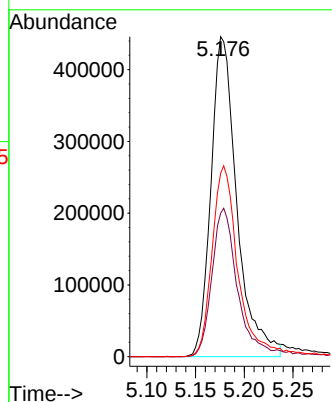
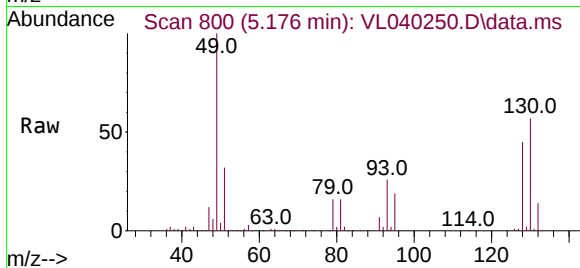
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. -0.025 min
Lab File: VL040250.D
Acq: 8 Mar 2023 12:19

Instrument :
MSVOA_L
ClientSampleId :
DC-3723-IA

Tgt Ion: 49 Resp: 82502
Ion Ratio Lower Upper
49 100
128 48.0 24.1 72.3
130 61.4 30.9 92.8

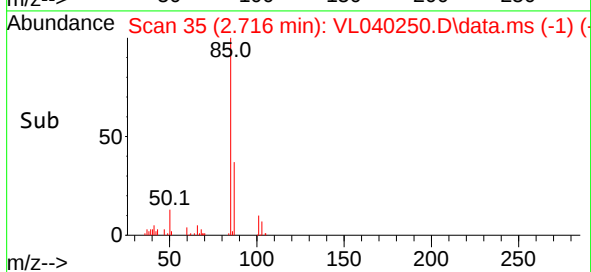
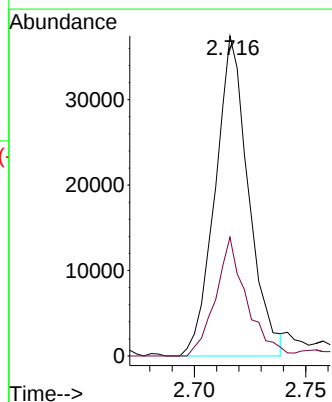
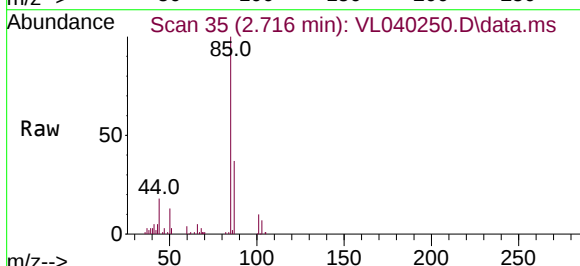
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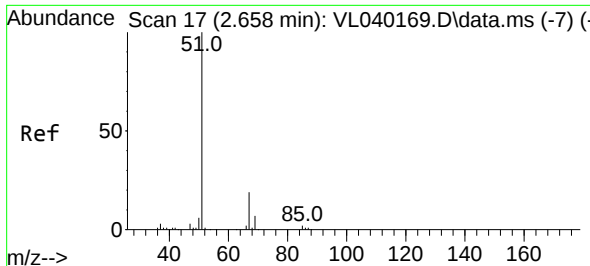
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#2
Dichlorodifluoromethane
Concen: 0.254 ppbv
RT: 2.716 min Scan# 35
Delta R.T. -0.010 min
Lab File: VL040250.D
Acq: 8 Mar 2023 12:19

Tgt Ion: 85 Resp: 39013
Ion Ratio Lower Upper
85 100
87 37.1 27.0 40.6





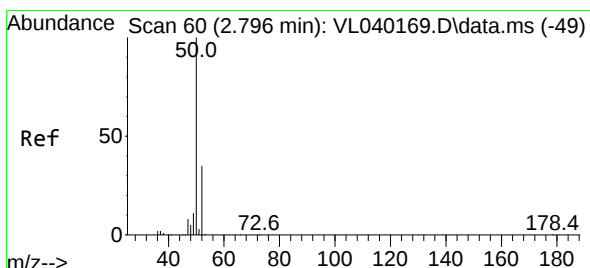
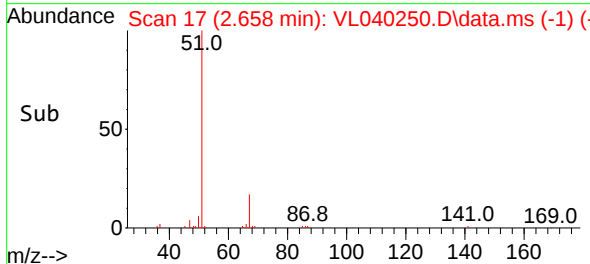
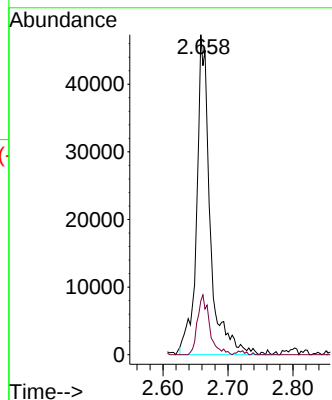
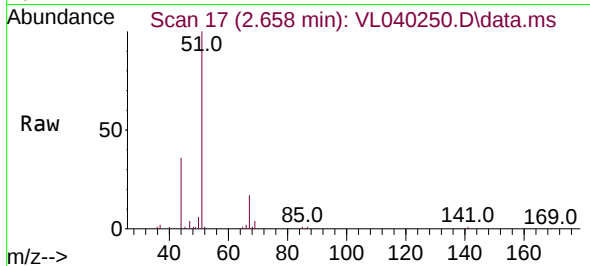
#3
Chlorodifluoromethane
Concen: 0.696 ppbv
RT: 2.658 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL040250.D
Acq: 8 Mar 2023 12:19

Instrument :
MSVOA_L
ClientSampleId :
DC-3723-IA

Tgt Ion: 51 Resp: 6855
Ion Ratio Lower Upper
51 100
67 16.8 15.4 23.2

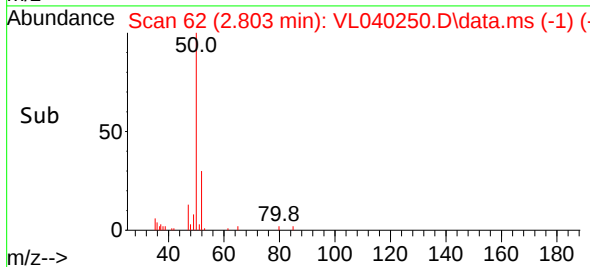
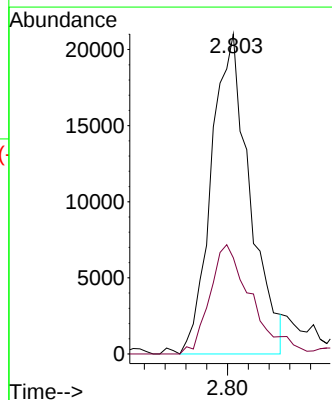
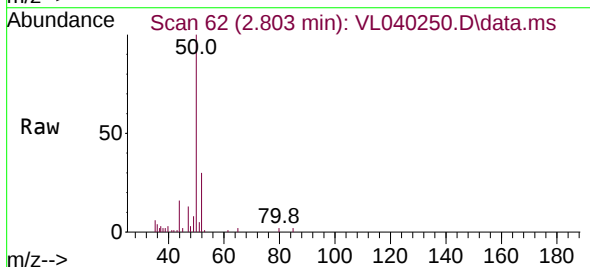
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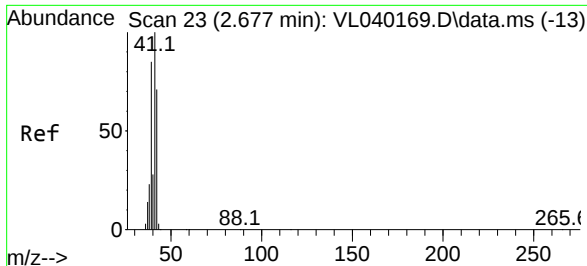
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#4
Chloromethane
Concen: 0.434 ppbv
RT: 2.803 min Scan# 62
Delta R.T. -0.010 min
Lab File: VL040250.D
Acq: 8 Mar 2023 12:19

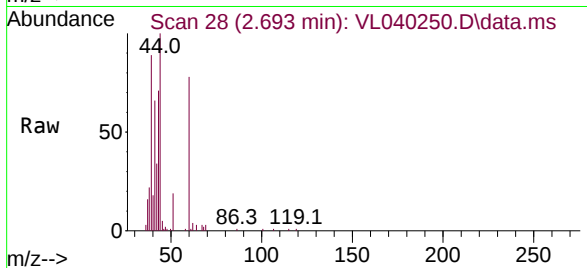
Tgt Ion: 50 Resp: 26869
Ion Ratio Lower Upper
50 100
52 30.1 28.3 42.5





#9
Propene
Concen: 0.580 ppbv
RT: 2.693 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040250.D
Acq: 8 Mar 2023 12:19

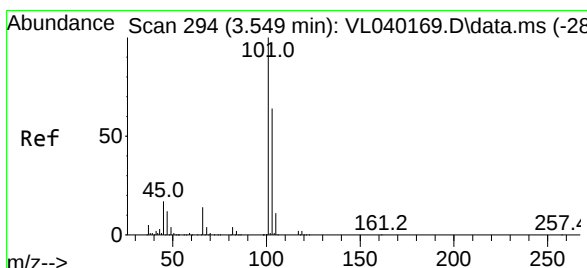
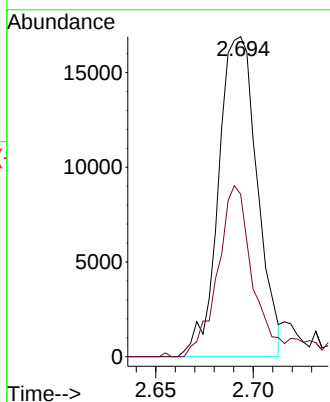
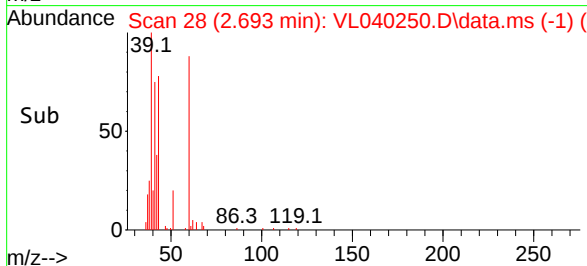
Instrument :
MSVOA_L
ClientSampleId :
DC-3723-IA



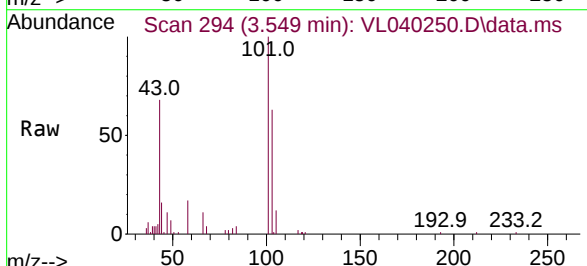
Tgt Ion: 41 Resp: 23300
Ion Ratio Lower Upper
41 100
42 52.8 56.9 85.3

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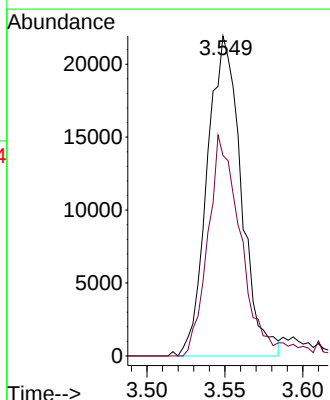
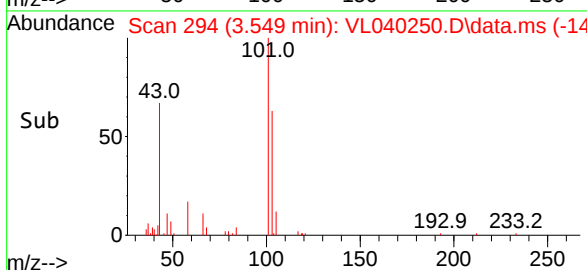
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023

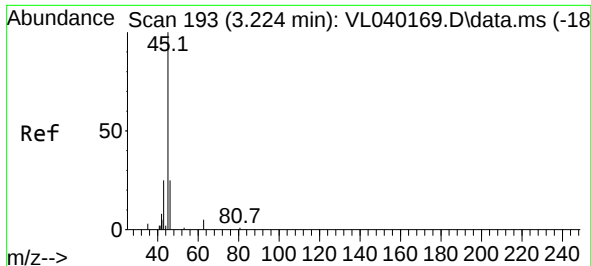


#11
Trichlorofluoromethane
Concen: 0.241 ppbv
RT: 3.549 min Scan# 294
Delta R.T. -0.016 min
Lab File: VL040250.D
Acq: 8 Mar 2023 12:19



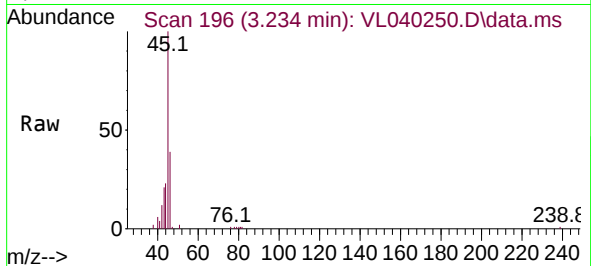
Tgt Ion:101 Resp: 33228
Ion Ratio Lower Upper
101 100
103 62.7 51.0 76.6





#13
Ethanol
Concen: 13.916 ppbv m
RT: 3.234 min Scan# 193
Delta R.T. -0.013 min
Lab File: VL040250.D
Acq: 8 Mar 2023 12:19

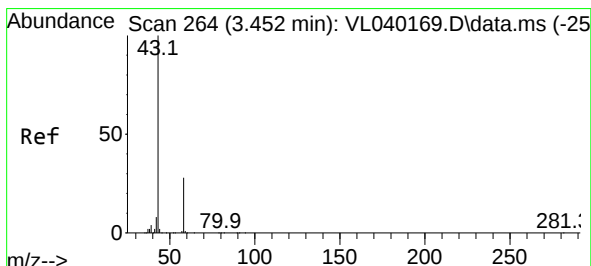
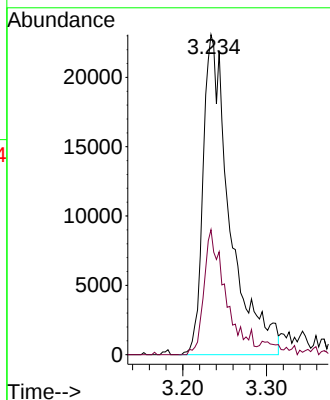
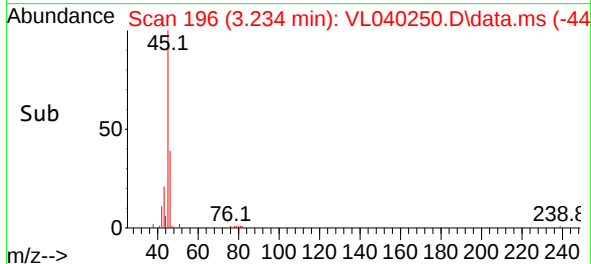
Instrument :
MSVOA_L
ClientSampleId :
DC-3723-IA



Tgt Ion: 45 Resp: 5146
Ion Ratio Lower Upper
45 100
46 35.4 13.3 53.1

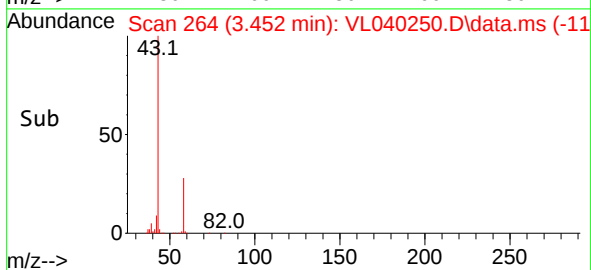
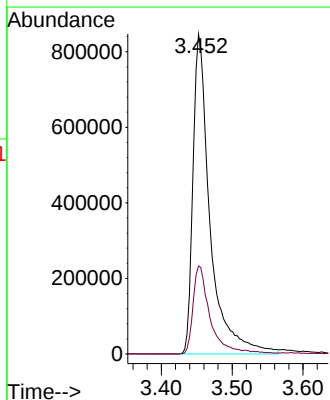
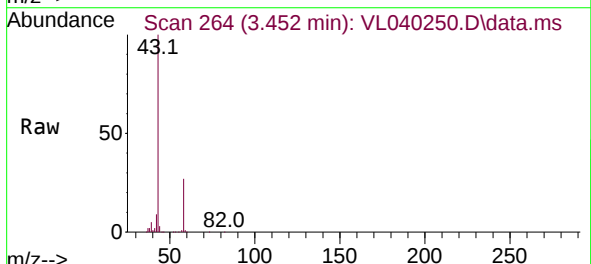
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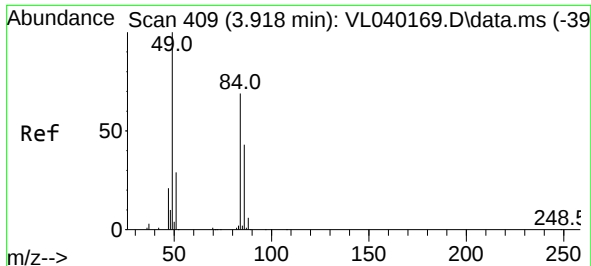
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#15
Acetone
Concen: 14.312 ppbv
RT: 3.452 min Scan# 264
Delta R.T. -0.016 min
Lab File: VL040250.D
Acq: 8 Mar 2023 12:19

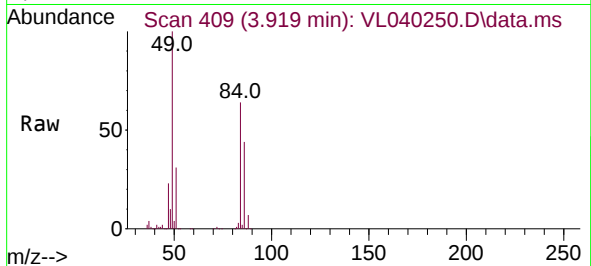
Tgt Ion: 43 Resp: 1421571
Ion Ratio Lower Upper
43 100
58 28.5 22.4 33.6





#20
Methylene Chloride
Concen: 4.503 ppbv
RT: 3.919 min Scan# 409
Delta R.T. -0.016 min
Lab File: VL040250.D
Acq: 8 Mar 2023 12:19

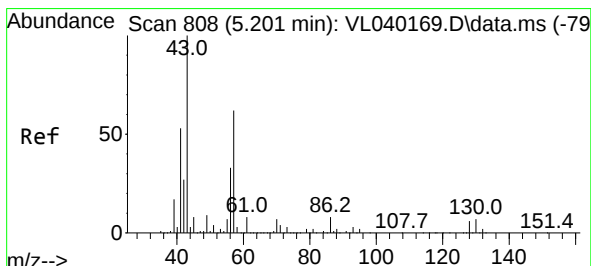
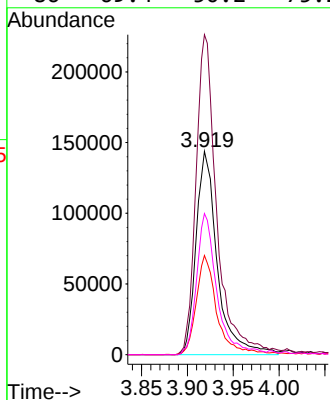
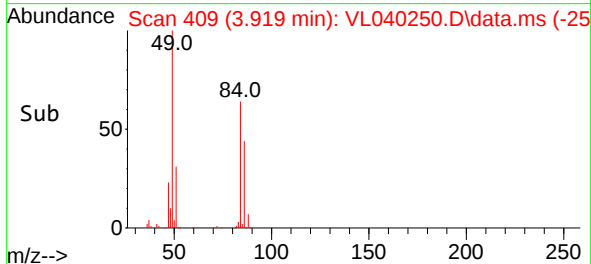
Instrument :
MSVOA_L
Client Sample Id :
DC-3723-IA



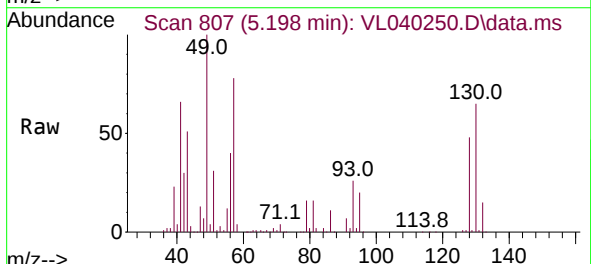
Tgt Ion: 84 Resp: 232835
Ion Ratio Lower Upper
84 100
49 157.0 115.5 173.3
51 48.5 33.1 49.7
86 69.4 50.2 75.2

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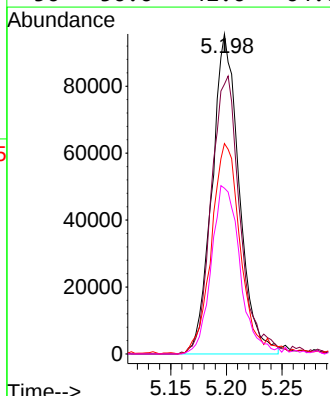
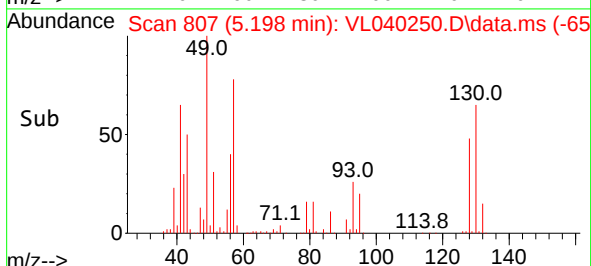
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023

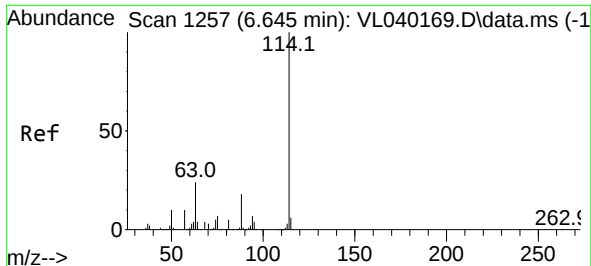


#26
Hexane
Concen: 2.050 ppbv
RT: 5.198 min Scan# 807
Delta R.T. -0.026 min
Lab File: VL040250.D
Acq: 8 Mar 2023 12:19



Tgt Ion: 57 Resp: 162466
Ion Ratio Lower Upper
57 100
41 93.9 74.3 111.5
43 70.4 193.0 289.4#
56 56.6 42.6 64.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 1255

Delta R.T. -0.026 min

Lab File: VL040250.D

Acq: 8 Mar 2023 12:19

Instrument :

MSVOA_L

ClientSampleId :

DC-3723-IA

Tgt Ion:114 Resp: 2114820

Ion Ratio Lower Upper

114 100

63 26.1 20.4 30.6

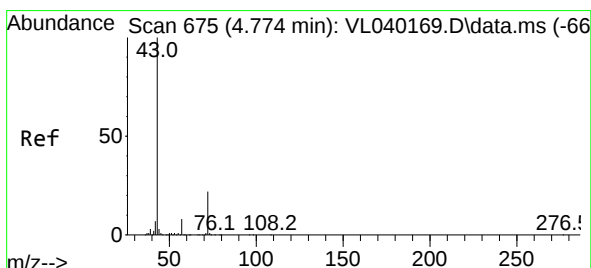
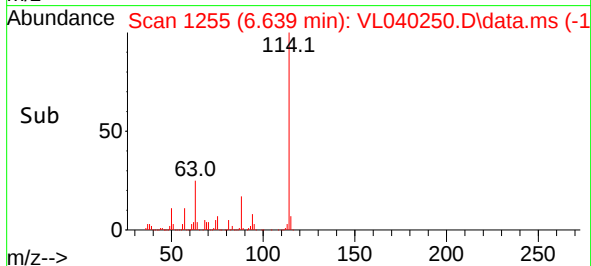
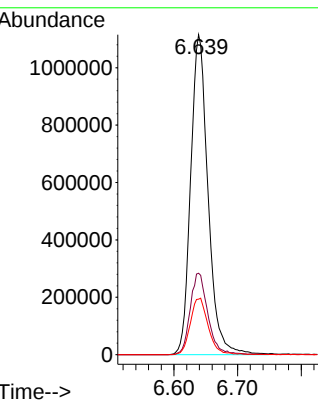
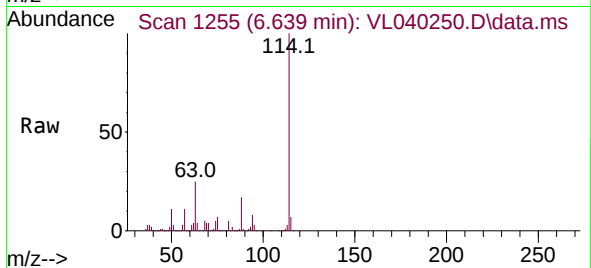
88 18.3 14.3 21.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/09/2023

Supervised By :Mahesh Dadoda 03/09/2023



#34

2-Butanone

Concen: 0.363 ppbv m

RT: 4.783 min Scan# 678

Delta R.T. -0.010 min

Lab File: VL040250.D

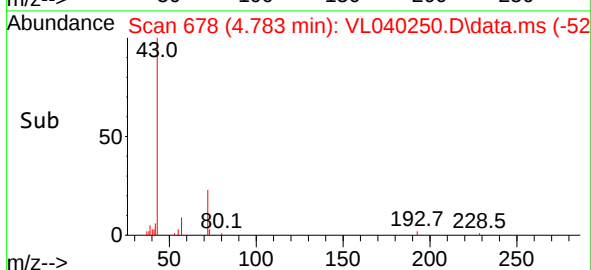
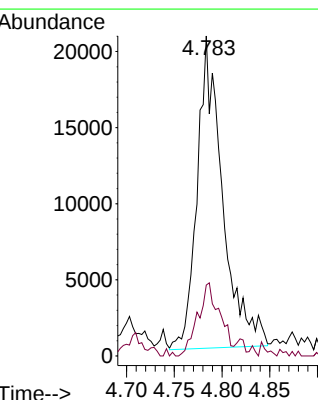
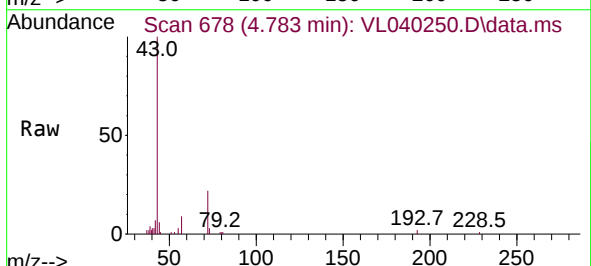
Acq: 8 Mar 2023 12:19

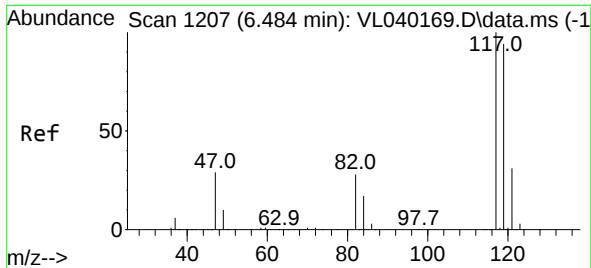
Tgt Ion: 43 Resp: 37860

Ion Ratio Lower Upper

43 100

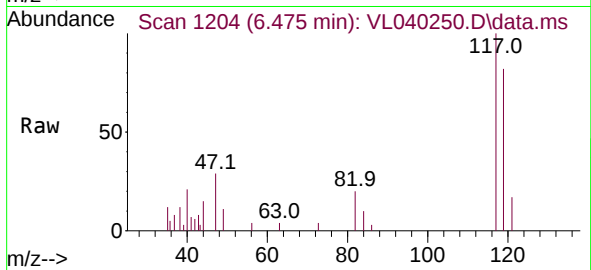
72 0.0 17.8 26.8#





#35
Carbon Tetrachloride
Concen: 0.077 ppbv m
RT: 6.475 min Scan# 1166
Delta R.T. -0.032 min
Lab File: VL040250.D
Acq: 8 Mar 2023 12:19

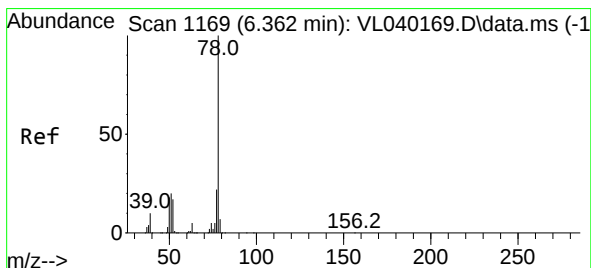
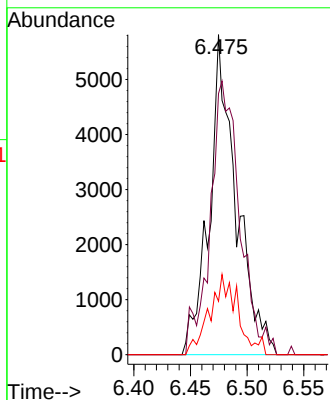
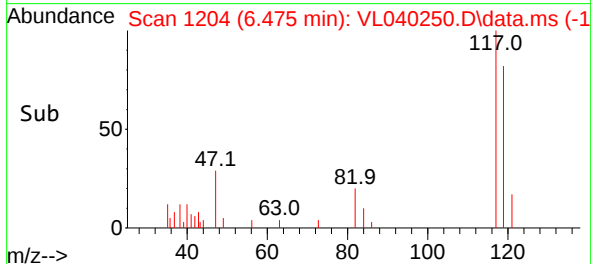
Instrument :
MSVOA_L
ClientSampleId :
DC-3723-IA



Tgt Ion: 117 Resp: 9630
Ion Ratio Lower Upper
117 100
119 81.6 75.0 112.6
121 16.7 25.0 37.4

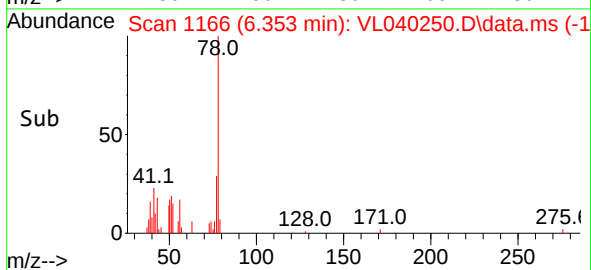
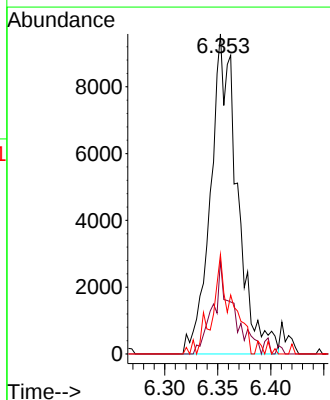
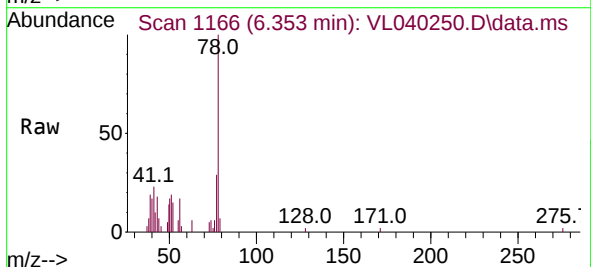
Manual Integrations
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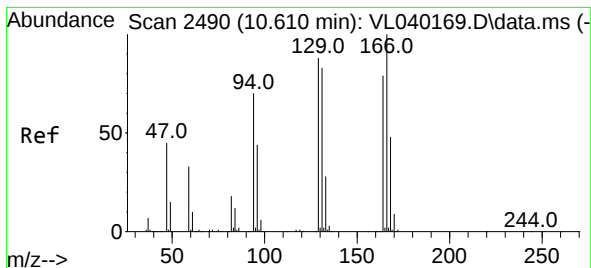
Reviewed By :Semsettin Yesilyurt 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#36
Benzene
Concen: 0.103 ppbv m
RT: 6.353 min Scan# 1166
Delta R.T. -0.032 min
Lab File: VL040250.D
Acq: 8 Mar 2023 12:19

Tgt Ion: 78 Resp: 16916
Ion Ratio Lower Upper
78 100
77 29.4 17.5 26.3#
50 16.7 14.6 22.0





#52

Tetrachloroethene

Concen: 1.401 ppbv

RT: 10.603 min Scan# 2490

Delta R.T. -0.032 min

Lab File: VL040250.D

Acq: 8 Mar 2023 12:19

Instrument :

MSVOA_L

ClientSampleId :

DC-3723-IA

Tgt Ion:164 Resp: 72000

Ion Ratio Lower Upper

164 100

166 129.3 101.5 152.3

129 107.5 89.0 133.4

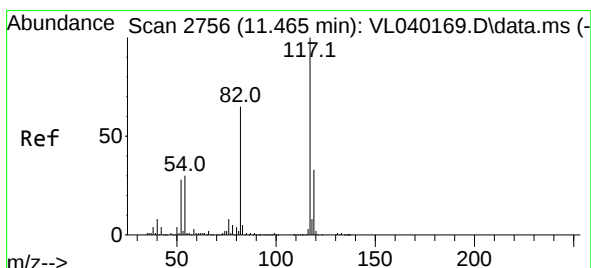
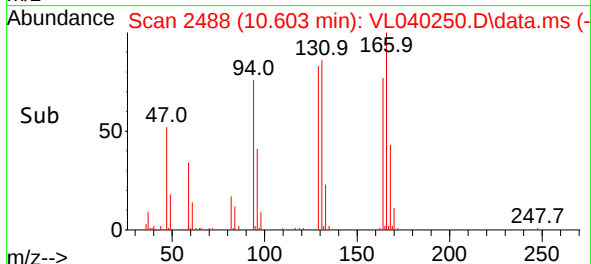
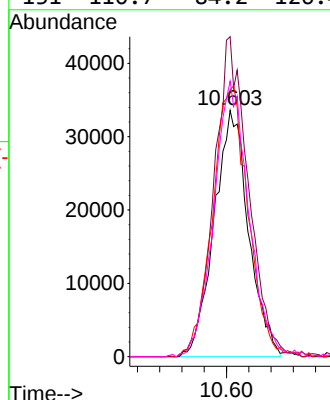
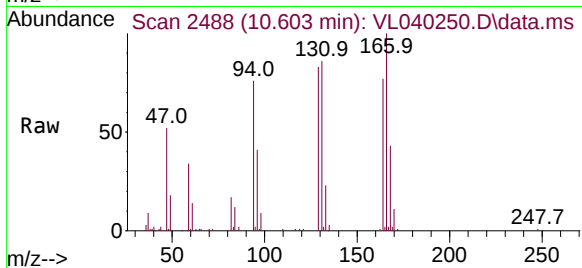
131 110.7 84.2 126.4

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: VL040250.D

Acq: 8 Mar 2023 12:19

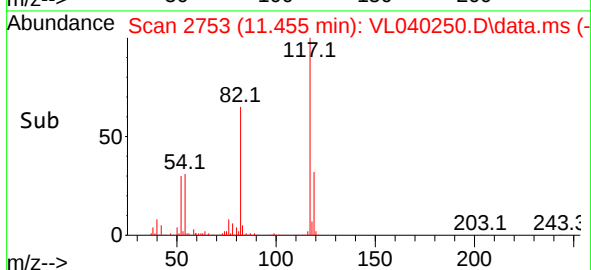
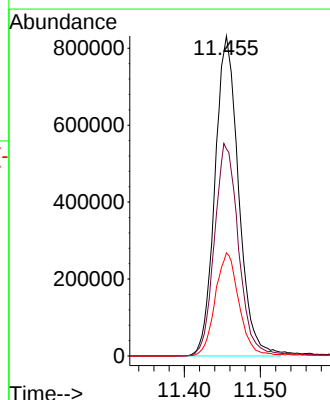
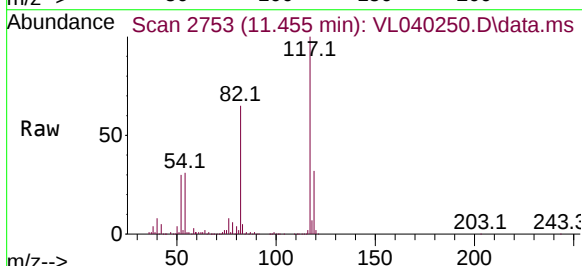
Tgt Ion:117 Resp: 1796786

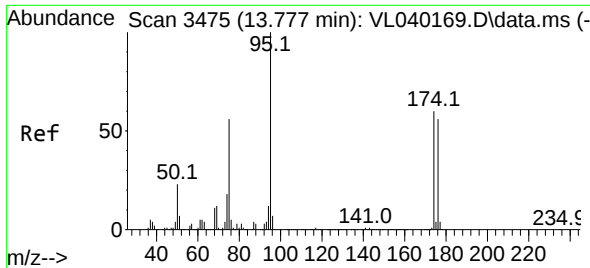
Ion Ratio Lower Upper

117 100

82 68.6 53.3 79.9

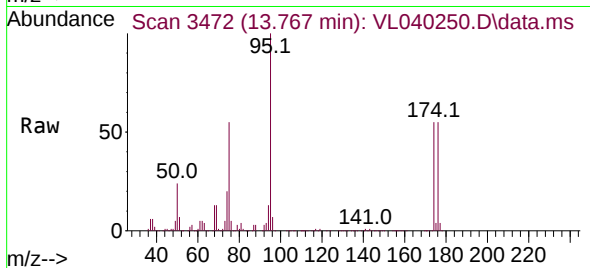
119 32.8 24.6 37.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.740 ppbv
 RT: 13.767 min Scan# 3475
 Delta R.T. -0.029 min
 Lab File: VL040250.D
 Acq: 8 Mar 2023 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 DC-3723-IA



Tgt Ion: 95 Resp: 143914

Ion	Ratio	Lower	Upper
95	100		
174	58.3	48.2	72.2
175	4.1	3.4	5.2

Manual Integrations
 APPROVED

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

