

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL039977.D
 Acq On : 12 Dec 2022 15:49
 Operator : SY/MD
 Sample : N5969-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/14/2022
 Supervised By :Mahesh Dadoda 12/14/2022

Quant Time: Dec 13 06:11:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug :
 QLast Update : Fri Dec 02 23:21:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.172	49	1161064	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.635	114	3003714	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.455	117	2680775	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	2185515	10.673	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.709	85	57434	0.345	ppbv	94
3) Chlorodifluoromethane	2.658	51	50492	0.315	ppbv	99
4) Chloromethane	2.793	50	42254	0.413	ppbv #	87
9) Propene	2.687	41	75659	1.003	ppbv #	73
11) Trichlorofluoromethane	3.542	101	46219	0.228	ppbv #	80
13) Ethanol	3.221	45	97234	16.875	ppbv	92
15) Acetone	3.452	43	517716	3.362	ppbv	99
20) Methylene Chloride	3.912	84	378174	5.069	ppbv	96
26) Hexane	5.195	57	310518	2.514	ppbv #	42
35) Carbon Tetrachloride	6.471	117	14357m	0.084	ppbv	
36) Benzene	6.352	78	66258	0.260	ppbv #	90
52) Tetrachloroethene	10.606	164	2536m	0.027	ppbv	
53) Toluene	9.208	91	119531	0.411	ppbv	98
59) m/p-Xylene	12.336	91	76124m	0.250	ppbv	

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

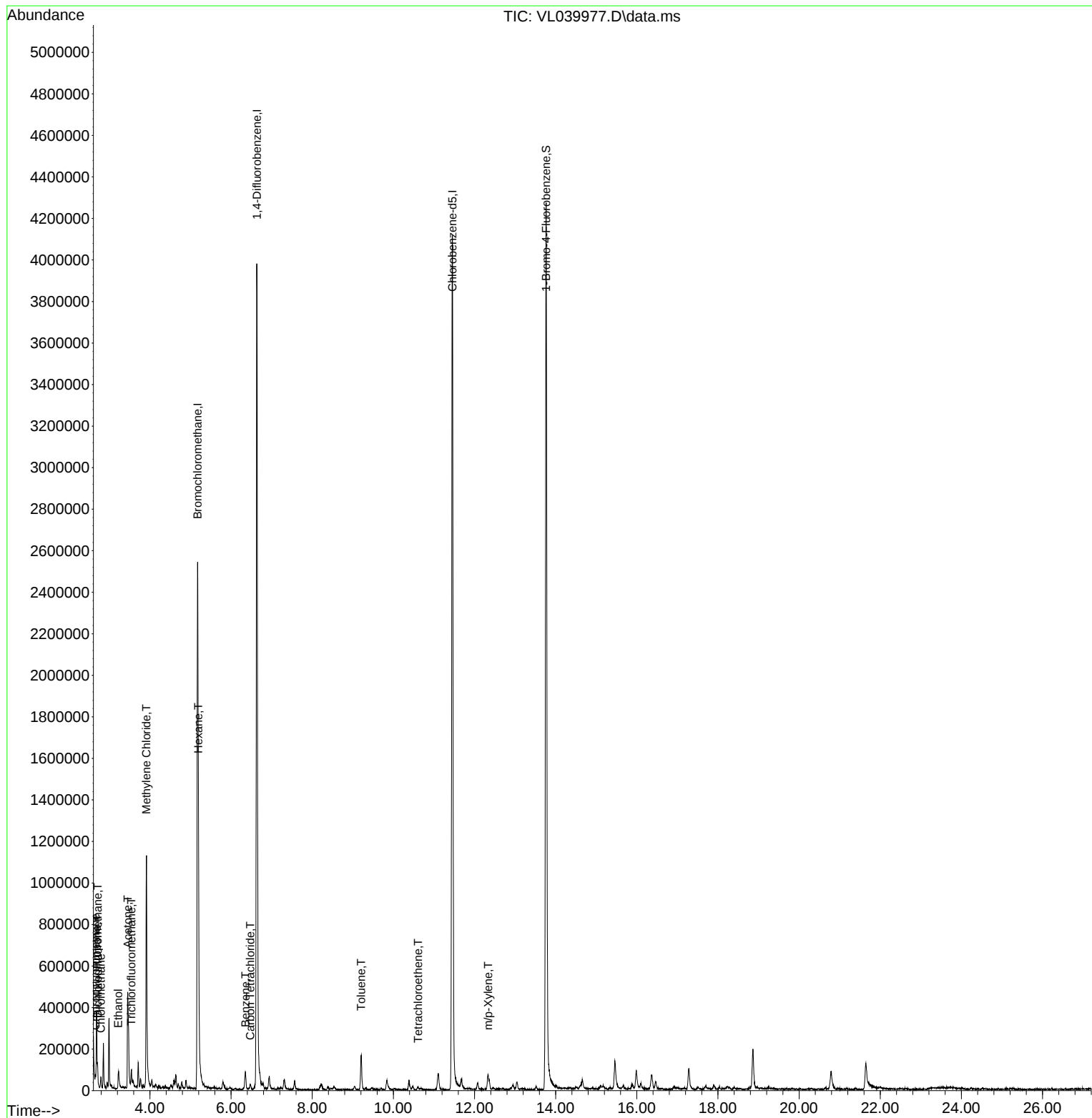
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
Data File : VL039977.D
Acq On : 12 Dec 2022 15:49
Operator : SY/MD
Sample : N5969-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

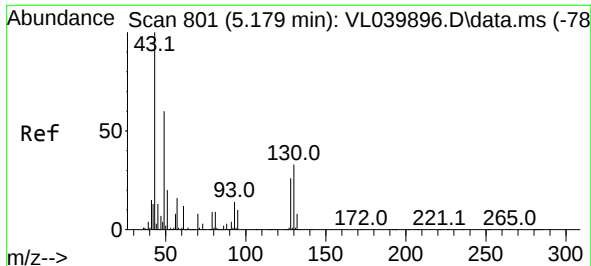
Instrument :
MSVOA_L
ClientSampleId :
AA-1

Quant Time: Dec 13 06:11:07 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Dec 02 23:21:36 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

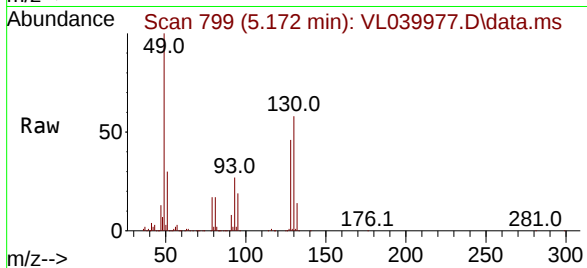
Reviewed By : Semsettin Yesilyurt 12/14/2022
Supervised By : Mahesh Dadoda 12/14/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.172 min Scan# 799
Delta R.T. 0.016 min
Lab File: VL039977.D
Acq: 12 Dec 2022 15:49

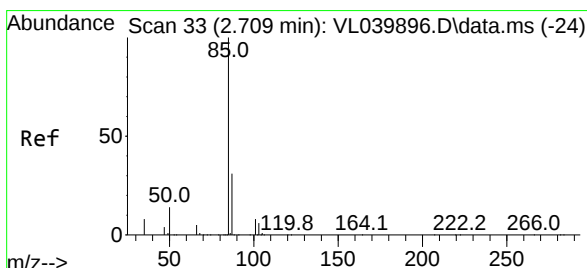
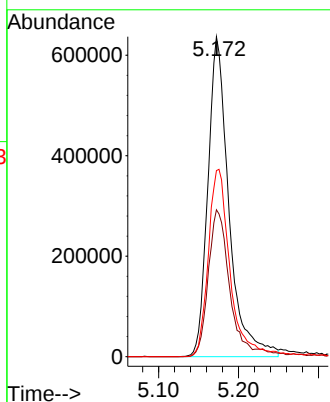
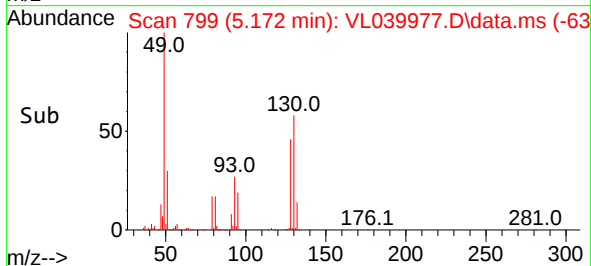
Instrument :
MSVOA_L
ClientSampleId :
AA-1



Tgt Ion: 49 Resp: 1161064
Ion Ratio Lower Upper
49 100
128 48.6 22.1 66.3
130 62.3 27.7 83.1

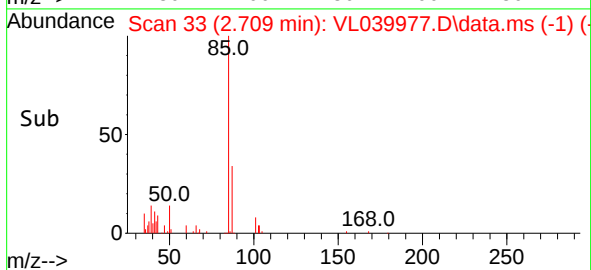
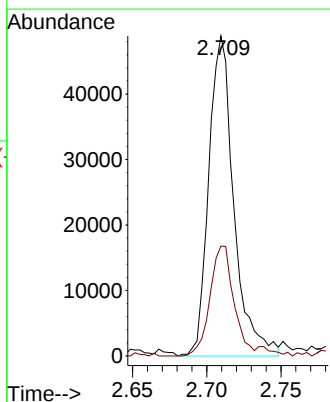
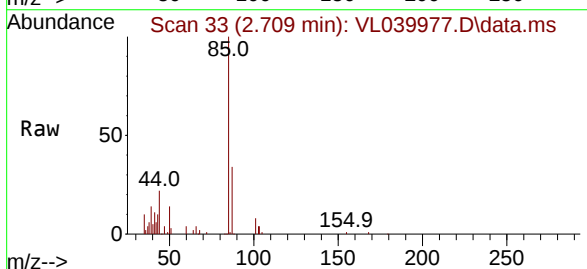
Manual Integrations
APPROVED

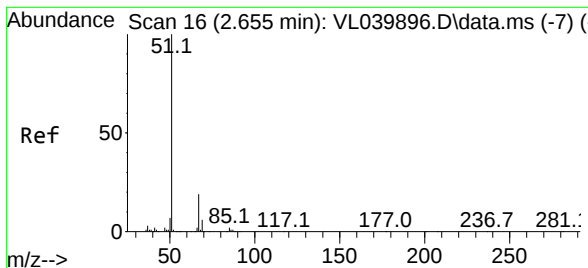
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#2
Dichlorodifluoromethane
Concen: 0.345 ppbv
RT: 2.709 min Scan# 33
Delta R.T. 0.013 min
Lab File: VL039977.D
Acq: 12 Dec 2022 15:49

Tgt Ion: 85 Resp: 57434
Ion Ratio Lower Upper
85 100
87 34.4 25.0 37.4





#3

Chlorodifluoromethane

Concen: 0.315 ppbv

RT: 2.658 min Scan# 11

Delta R.T. 0.016 min

Lab File: VL039977.D

Acq: 12 Dec 2022 15:49

Instrument :

MSVOA_L

ClientSampleId :

AA-1

Tgt Ion: 51 Resp: 50492

Ion Ratio Lower Upper

51 100

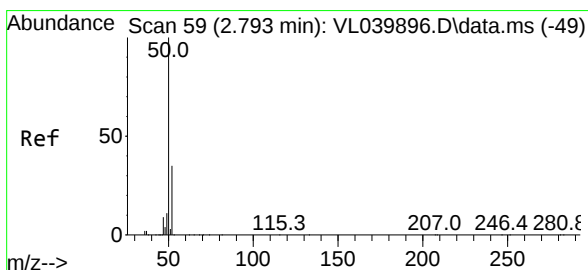
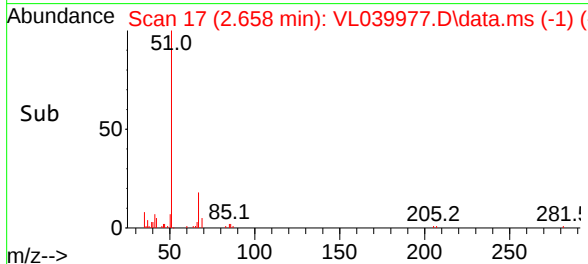
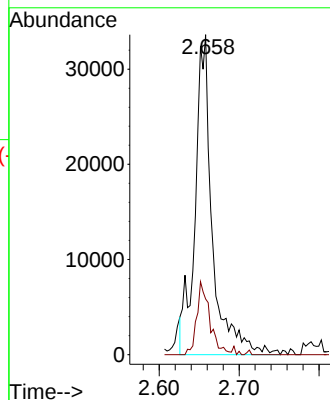
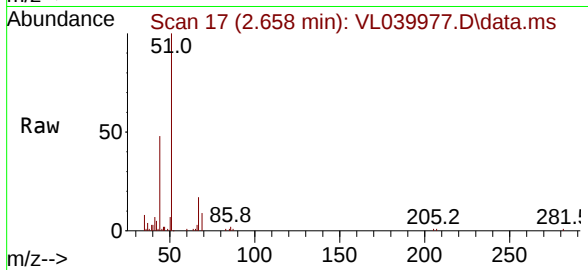
67 18.1 14.2 21.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/14/2022

Supervised By :Mahesh Dadoda 12/14/2022



#4

Chloromethane

Concen: 0.413 ppbv

RT: 2.793 min Scan# 59

Delta R.T. 0.013 min

Lab File: VL039977.D

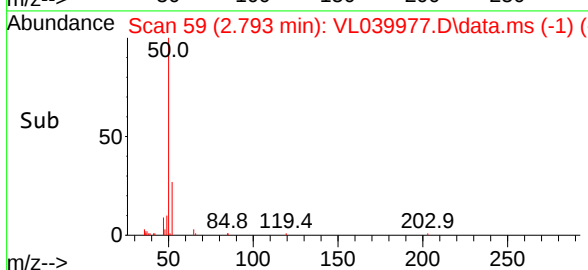
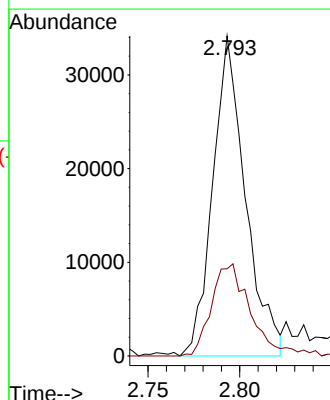
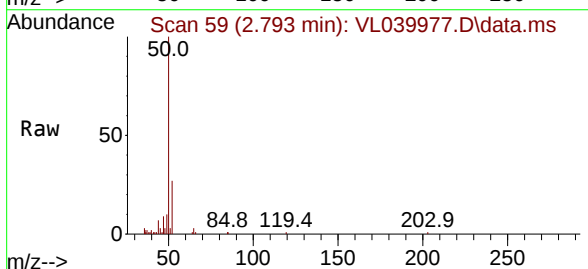
Acq: 12 Dec 2022 15:49

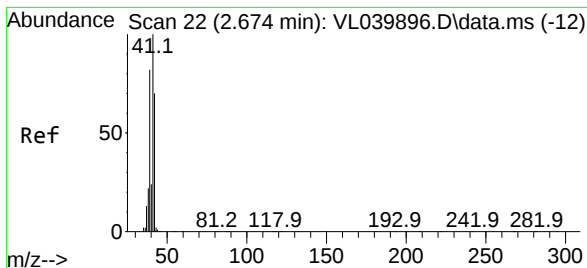
Tgt Ion: 50 Resp: 42254

Ion Ratio Lower Upper

50 100

52 27.2 27.8 41.8#





#9

Propene

Concen: 1.003 ppbv

RT: 2.687 min Scan# 20

Delta R.T. 0.026 min

Lab File: VL039977.D

Acq: 12 Dec 2022 15:49

Instrument :

MSVOA_L

ClientSampleId :

AA-1

Tgt Ion: 41 Resp: 7565

Ion Ratio Lower Upper

41 100

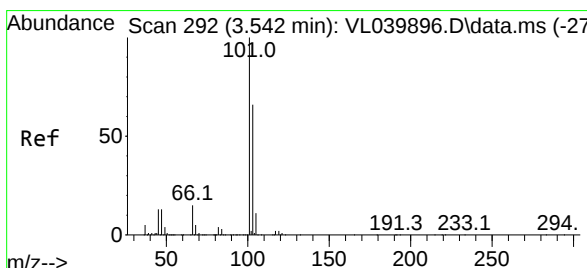
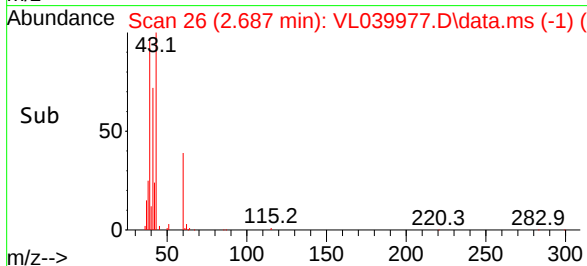
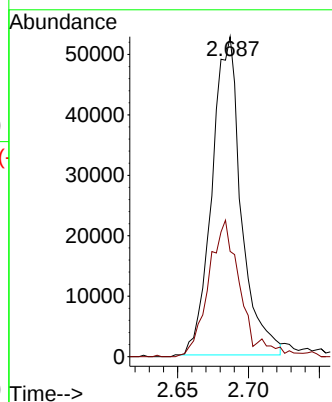
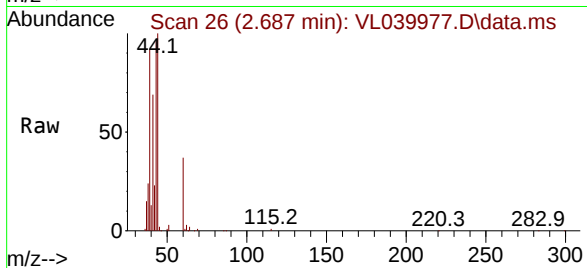
42 47.9 55.8 83.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/14/2022

Supervised By :Mahesh Dadoda 12/14/2022



#11

Trichlorofluoromethane

Concen: 0.228 ppbv

RT: 3.542 min Scan# 292

Delta R.T. 0.013 min

Lab File: VL039977.D

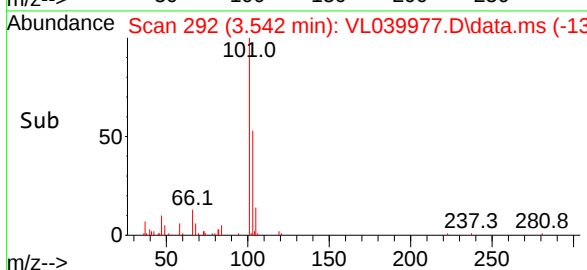
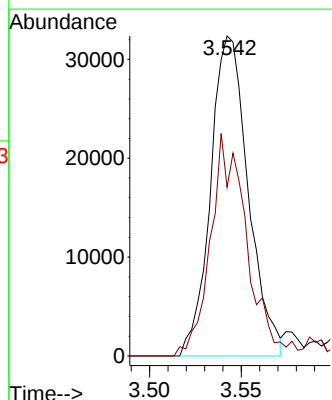
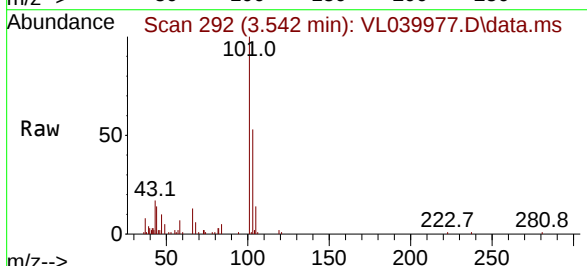
Acq: 12 Dec 2022 15:49

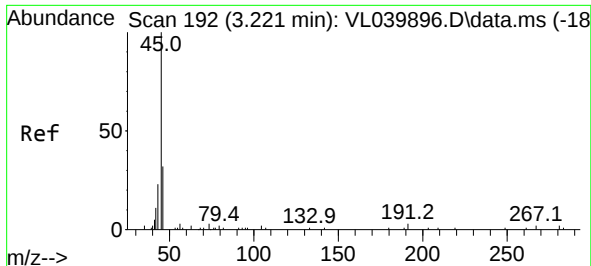
Tgt Ion:101 Resp: 46219

Ion Ratio Lower Upper

101 100

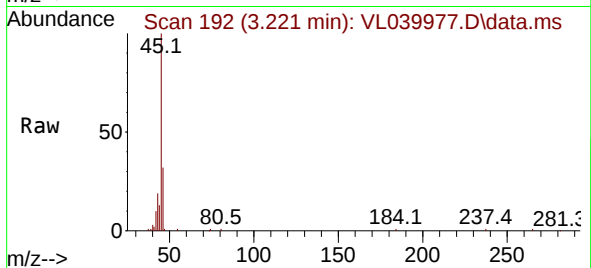
103 49.9 52.6 78.8





#13
Ethanol
Concen: 16.875 ppbv
RT: 3.221 min Scan# 192
Delta R.T. 0.006 min
Lab File: VL039977.D
Acq: 12 Dec 2022 15:49

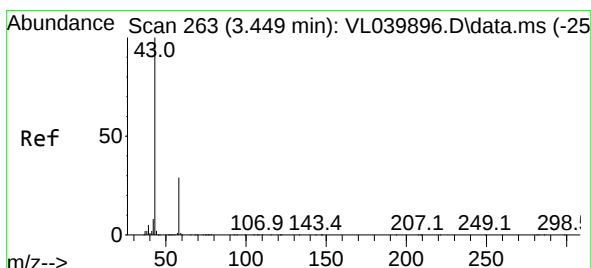
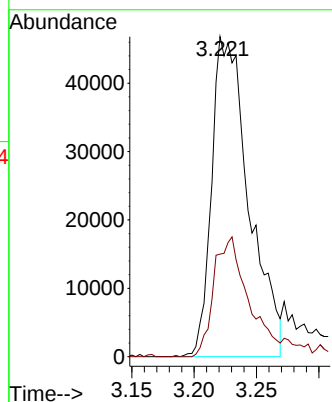
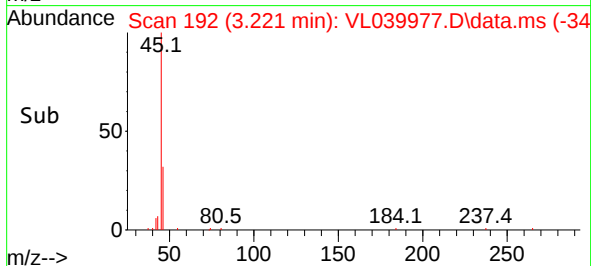
Instrument :
MSVOA_L
ClientSampleId :
AA-1



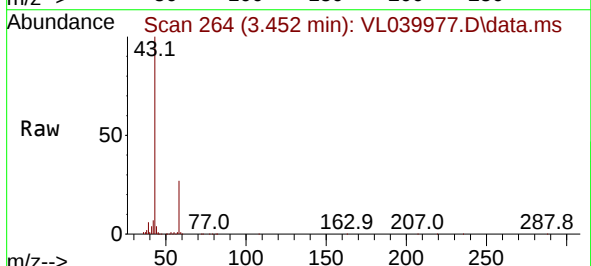
Tgt Ion: 45 Resp: 97234
Ion Ratio Lower Upper
45 100
46 41.2 14.6 58.2

Manual Integrations
APPROVED

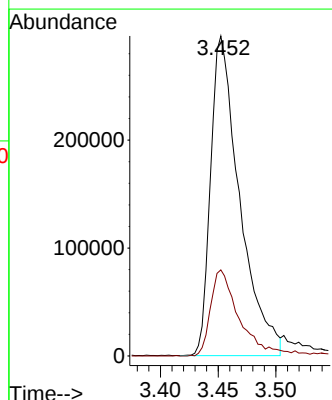
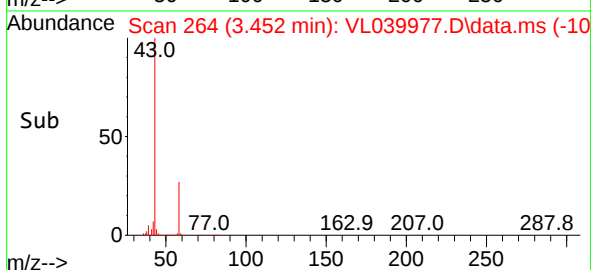
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

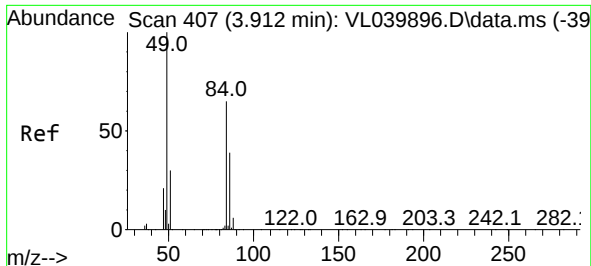


#15
Acetone
Concen: 3.362 ppbv
RT: 3.452 min Scan# 264
Delta R.T. 0.019 min
Lab File: VL039977.D
Acq: 12 Dec 2022 15:49



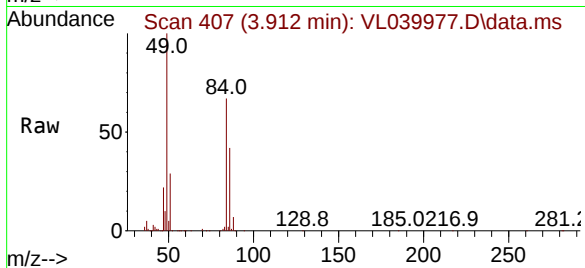
Tgt Ion: 43 Resp: 517716
Ion Ratio Lower Upper
43 100
58 28.2 22.9 34.3





#20
Methylene Chloride
Concen: 5.069 ppbv
RT: 3.912 min Scan# 407
Delta R.T. 0.016 min
Lab File: VL039977.D
Acq: 12 Dec 2022 15:49

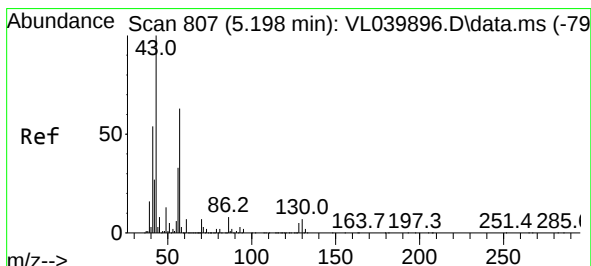
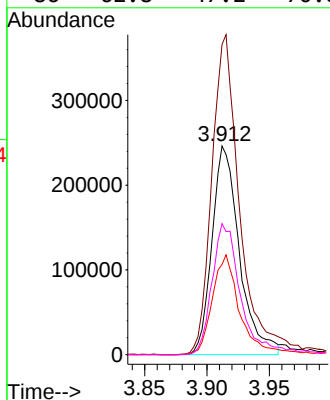
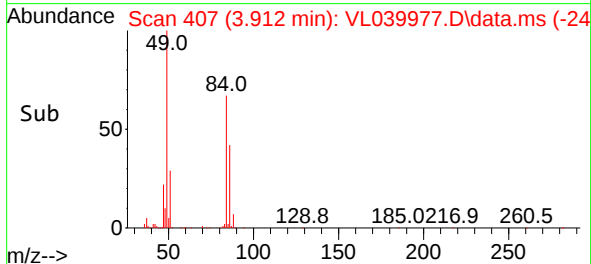
Instrument :
MSVOA_L
ClientSampleId :
AA-1



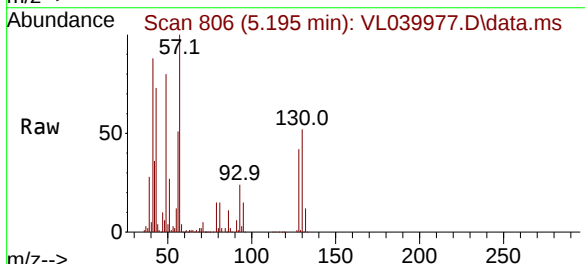
Tgt Ion: 84 Resp: 378174
Ion Ratio Lower Upper
84 100
49 148.7 122.2 183.4
51 43.1 36.3 54.5
86 62.8 47.2 70.8

Manual Integrations
APPROVED

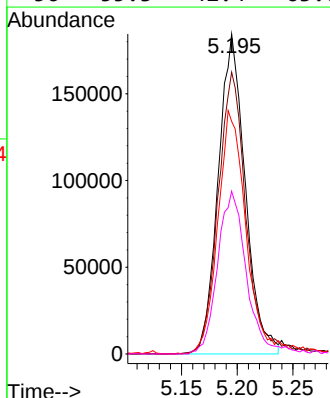
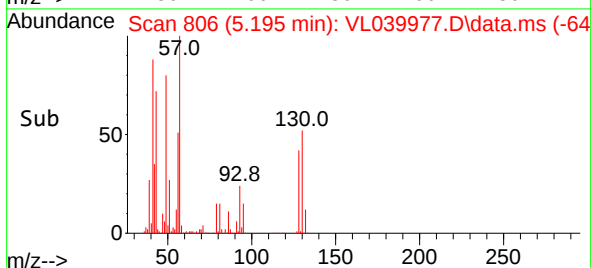
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

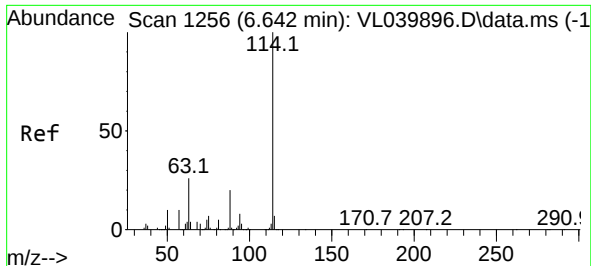


#26
Hexane
Concen: 2.514 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.019 min
Lab File: VL039977.D
Acq: 12 Dec 2022 15:49



Tgt Ion: 57 Resp: 310518
Ion Ratio Lower Upper
57 100
41 92.5 72.3 108.5
43 82.2 188.7 283.1#
56 55.3 42.4 63.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.635 min Scan# 11

Delta R.T. 0.016 min

Lab File: VL039977.D

Acq: 12 Dec 2022 15:49

Instrument :

MSVOA_L

ClientSampleId :

AA-1

Tgt Ion:114 Resp: 3003714

Ion Ratio Lower Upper

114 100

63 25.2 21.4 32.0

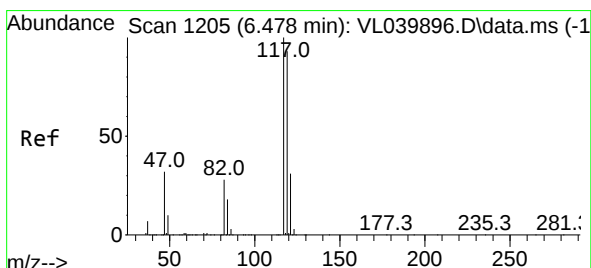
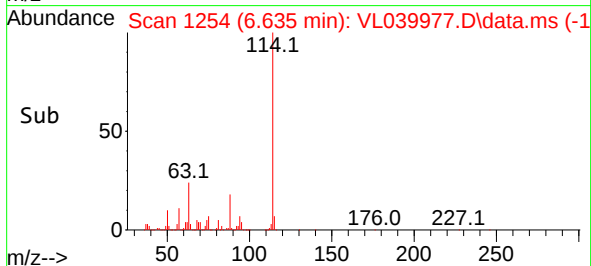
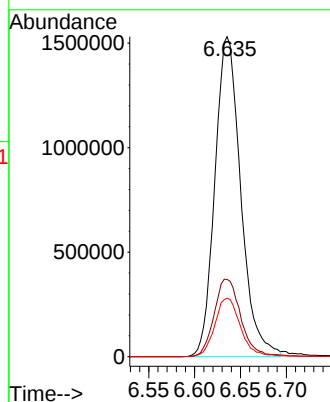
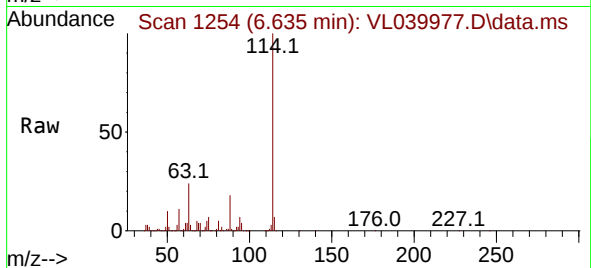
88 18.3 15.3 22.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/14/2022

Supervised By :Mahesh Dadoda 12/14/2022



#35

Carbon Tetrachloride

Concen: 0.084 ppbv m

RT: 6.471 min Scan# 1203

Delta R.T. 0.016 min

Lab File: VL039977.D

Acq: 12 Dec 2022 15:49

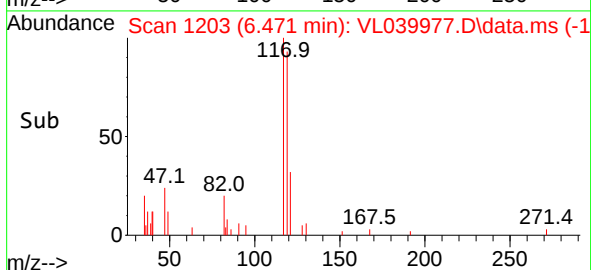
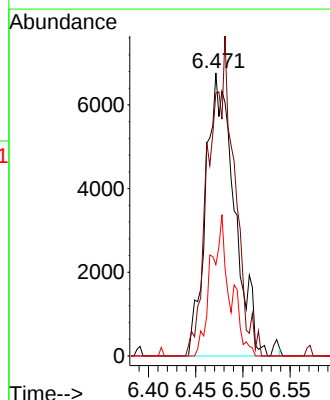
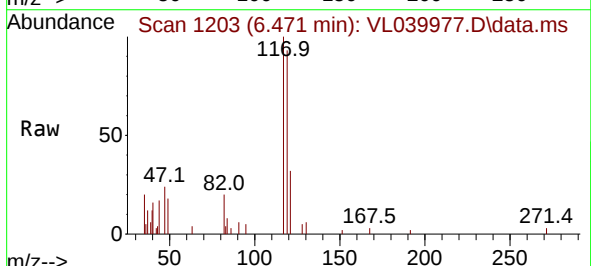
Tgt Ion:117 Resp: 14357

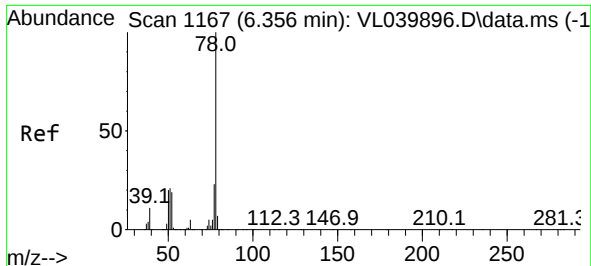
Ion Ratio Lower Upper

117 100

119 92.9 74.7 112.1

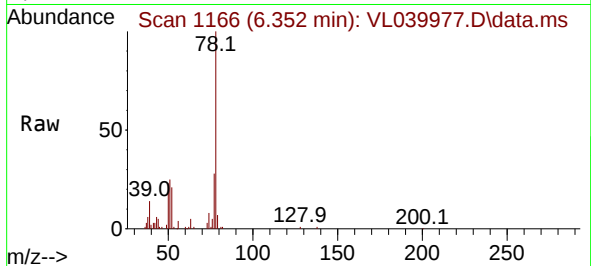
121 32.3 24.5 36.7





#36
Benzene
Concen: 0.260 ppbv
RT: 6.352 min Scan# 1166
Delta R.T. 0.019 min
Lab File: VL039977.D
Acq: 12 Dec 2022 15:49

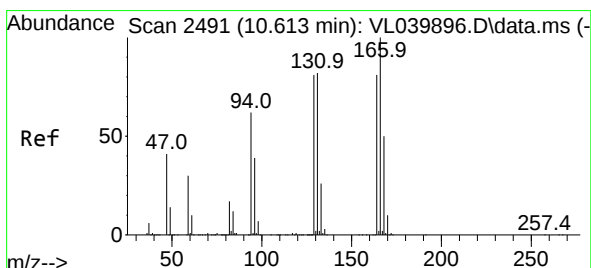
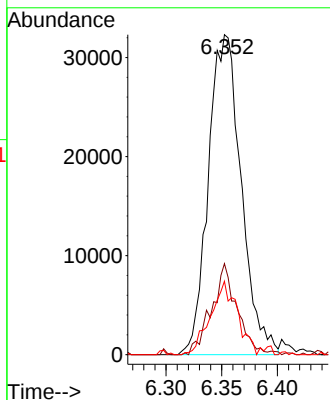
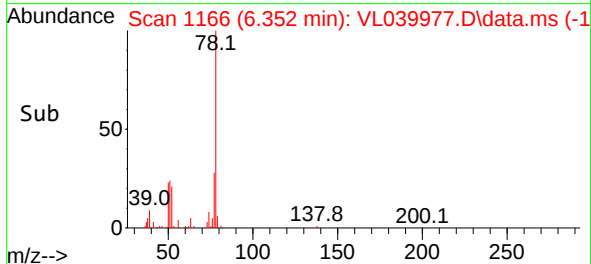
Instrument :
MSVOA_L
ClientSampleId :
AA-1



Tgt Ion: 78 Resp: 66258
Ion Ratio Lower Upper
78 100
77 28.4 18.2 27.2
50 22.9 15.8 23.8

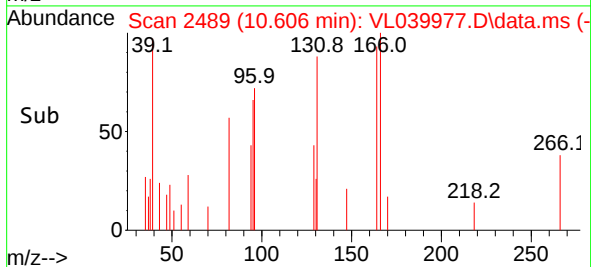
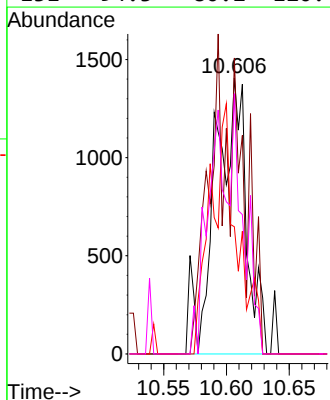
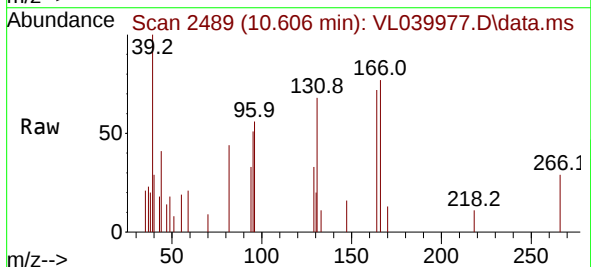
Manual Integrations
APPROVED

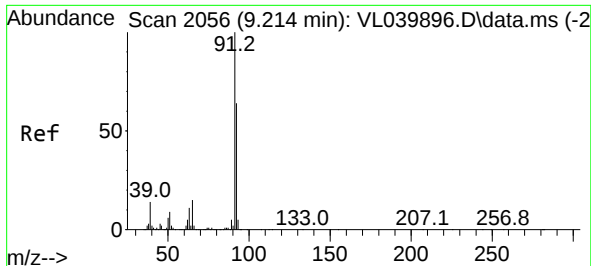
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#52
Tetrachloroethene
Concen: 0.027 ppbv m
RT: 10.606 min Scan# 2489
Delta R.T. 0.026 min
Lab File: VL039977.D
Acq: 12 Dec 2022 15:49

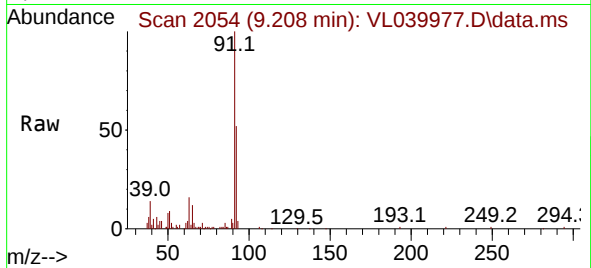
Tgt Ion:164 Resp: 2536
Ion Ratio Lower Upper
164 100
166 107.3 98.3 147.5
129 46.1 79.7 119.5#
131 94.3 80.2 120.4





#53
Toluene
Concen: 0.411 ppbv
RT: 9.208 min Scan# 2054
Delta R.T. 0.023 min
Lab File: VL039977.D
Acq: 12 Dec 2022 15:49

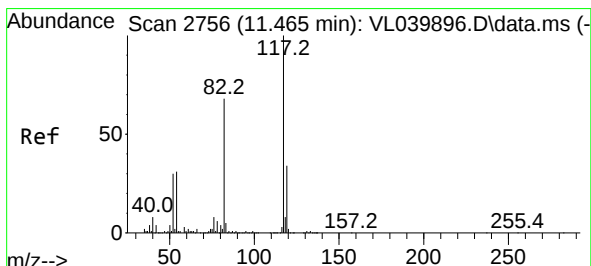
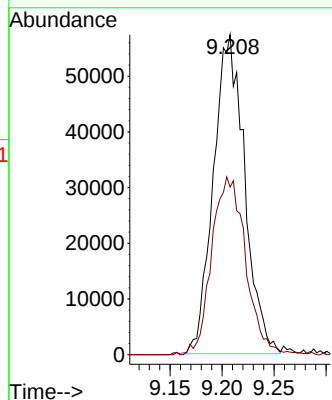
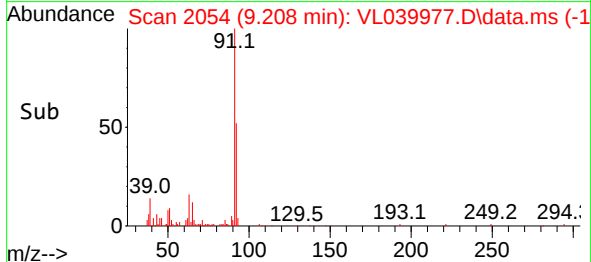
Instrument :
MSVOA_L
ClientSampleId :
AA-1



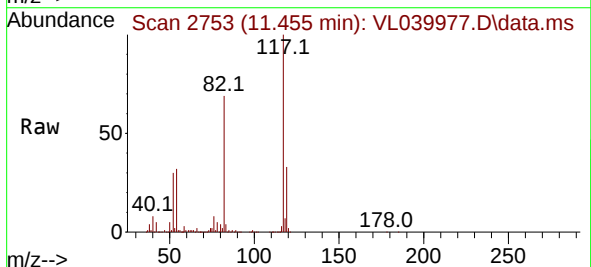
Tgt Ion: 91 Resp: 11953
Ion Ratio Lower Upper
91 100
92 60.7 49.8 74.6

Manual Integrations
APPROVED

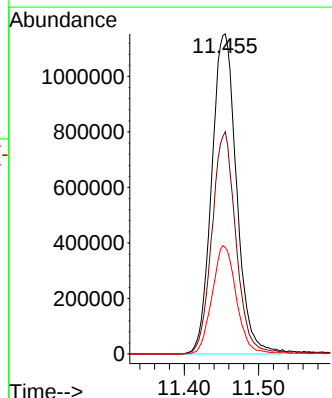
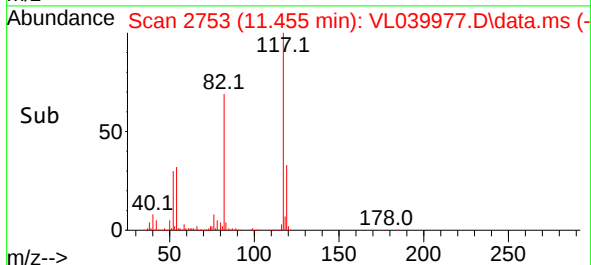
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

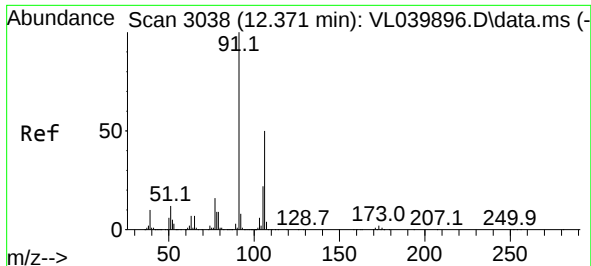


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 2753
Delta R.T. 0.023 min
Lab File: VL039977.D
Acq: 12 Dec 2022 15:49



Tgt Ion:117 Resp: 2680775
Ion Ratio Lower Upper
117 100
82 68.2 52.3 78.5
119 33.2 25.7 38.5





#59

m/p-Xylene

Concen: 0.250 ppbv m

RT: 12.336 min Scan# 3038

Delta R.T. -0.003 min

Lab File: VL039977.D

Acq: 12 Dec 2022 15:49

Instrument :

MSVOA_L

ClientSampleId :

AA-1

Tgt Ion: 91 Resp: 76124

Ion Ratio Lower Upper

91 100

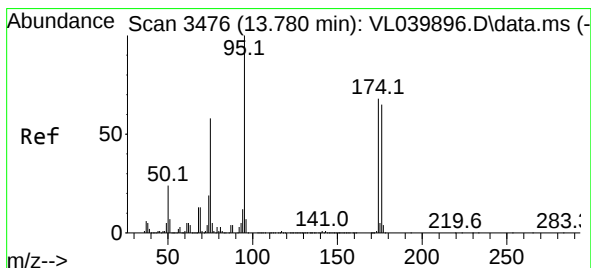
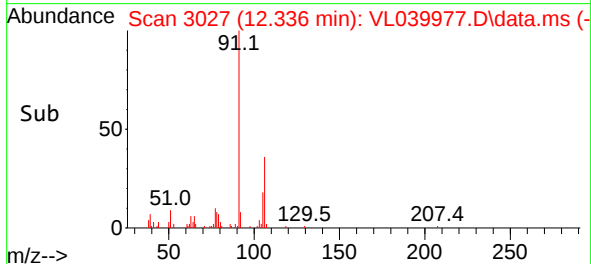
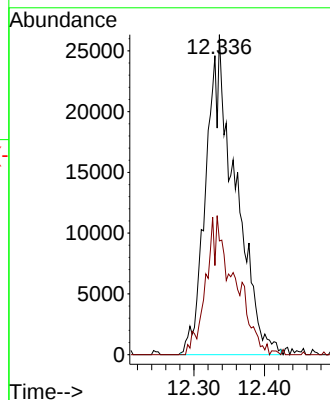
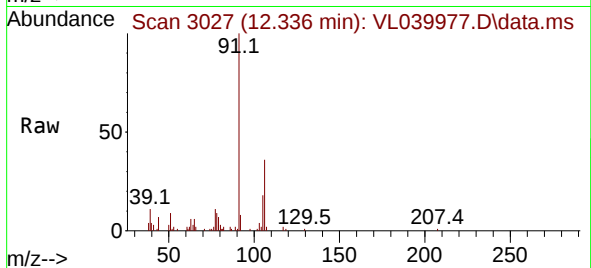
106 0.0 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/14/2022

Supervised By :Mahesh Dadoda 12/14/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 10.673 ppbv

RT: 13.764 min Scan# 3471

Delta R.T. 0.023 min

Lab File: VL039977.D

Acq: 12 Dec 2022 15:49

Tgt Ion: 95 Resp: 2185515

Ion Ratio Lower Upper

95 100

174 60.8 53.7 80.5

175 4.3 4.0 6.0

