

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112122\
 Data File : VL039909.D
 Acq On : 21 Nov 2022 14:15
 Operator : SY/AP
 Sample : N5724-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2022
 Supervised By :Mahesh Dadoda 11/24/2022

Quant Time: Nov 22 03:48:17 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 12

QLast Update : Tue Nov 22 03:45:31 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.166	49	1042781	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.626	114	3230848	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.445	117	2817763	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	2209298	10.265	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.703	85	39101	0.262	ppbv	90
4) Chloromethane	2.783	50	36090	0.392	ppbv	90
9) Propene	2.674	41	32049	0.473	ppbv #	82
11) Trichlorofluoromethane	3.536	101	44728	0.246	ppbv	94
13) Ethanol	3.208	45	499719	96.564	ppbv	99
15) Acetone	3.443	43	429089	3.102	ppbv	97
19) Isopropyl Alcohol	3.558	45	52208m	0.697	ppbv	
20) Methylene Chloride	3.906	84	841257	12.554	ppbv	94
26) Hexane	5.182	57	375779	3.387	ppbv #	39
34) 2-Butanone	4.774	43	27417m	0.177	ppbv	
35) Carbon Tetrachloride	6.468	117	13566m	0.074	ppbv	
36) Benzene	6.346	78	41505	0.151	ppbv	94
53) Toluene	9.201	91	103338	0.330	ppbv	100
59) m/p-Xylene	12.323	91	32411m	0.101	ppbv	

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

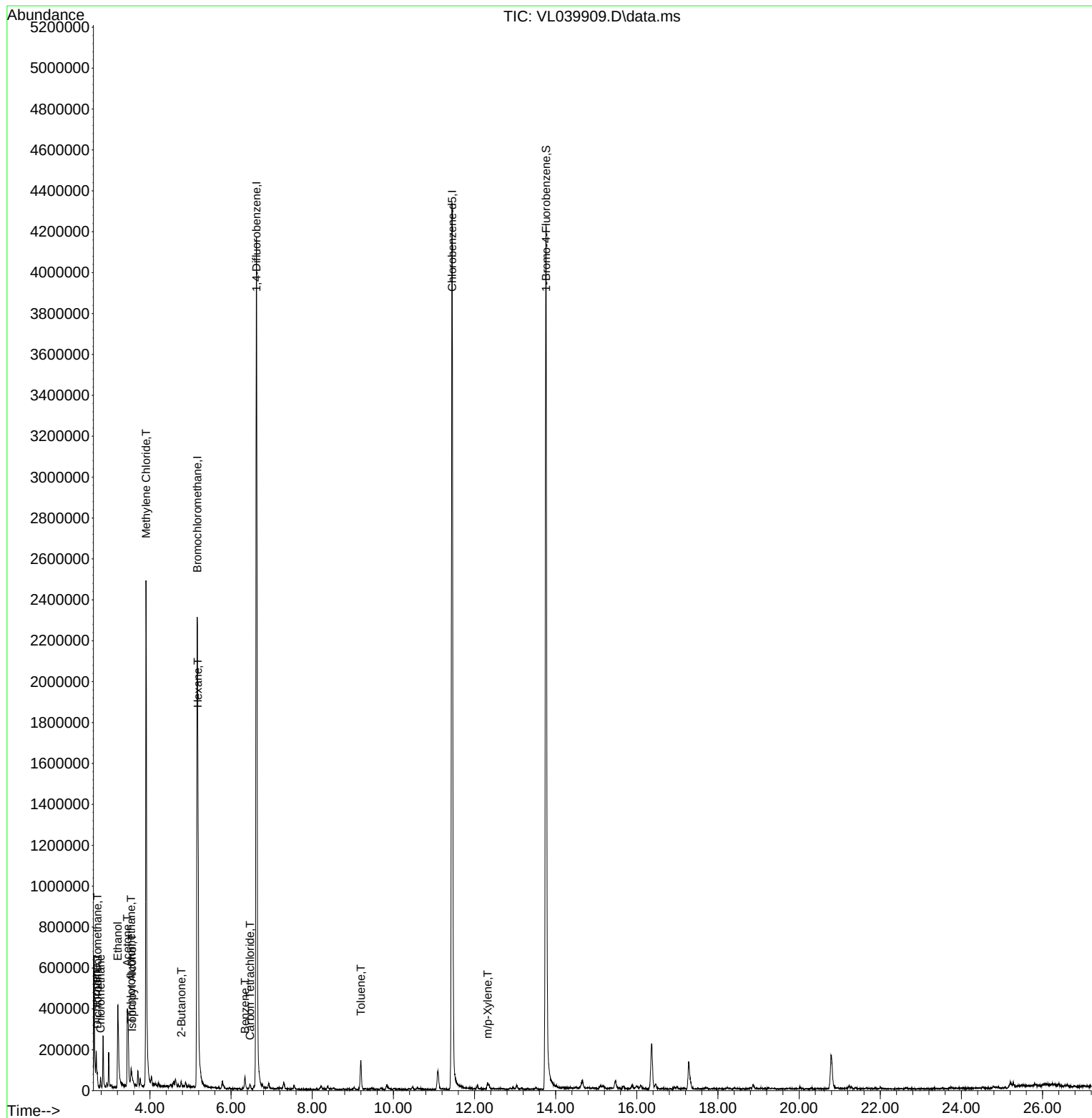
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112122\
Data File : VL039909.D
Acq On : 21 Nov 2022 14:15
Operator : SY/AP
Sample : N5724-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

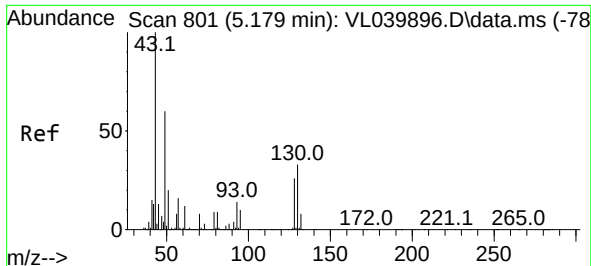
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Quant Time: Nov 22 03:48:17 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 : Tue Nov 22 03:45:31 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

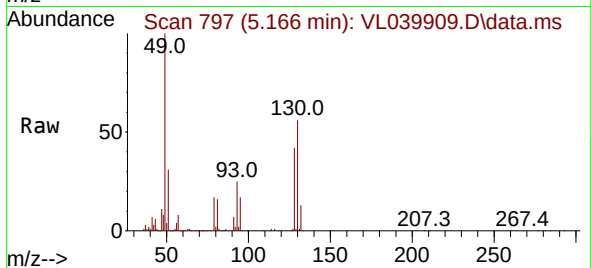
Reviewed By : Semsettin Yesilyurt 11/22/2022
Supervised By : Mahesh Dadoda 11/24/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.166 min Scan# 79
Delta R.T. 0.010 min
Lab File: VL039909.D
Acq: 21 Nov 2022 14:15

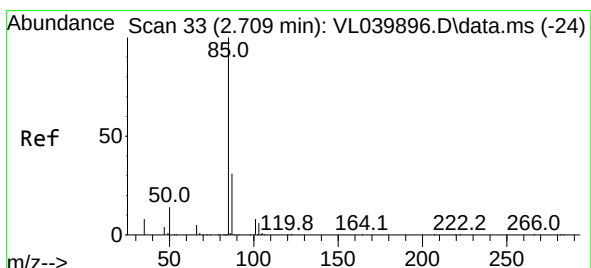
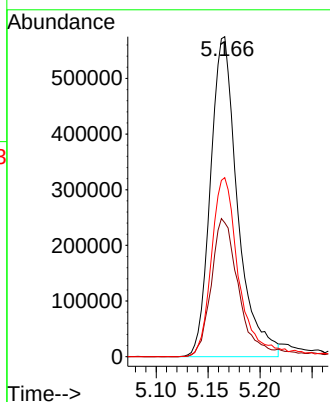
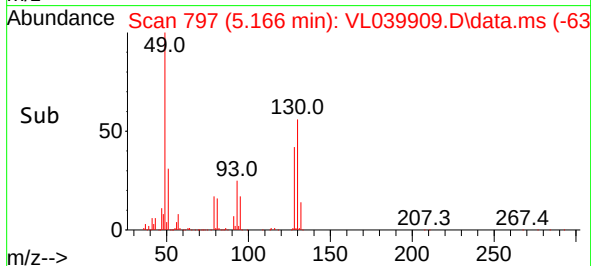
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 49 Resp: 104278
Ion Ratio Lower Upper
49 100
128 45.8 22.1 66.3
130 59.2 27.7 83.1

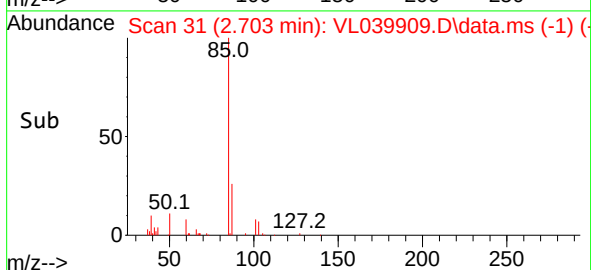
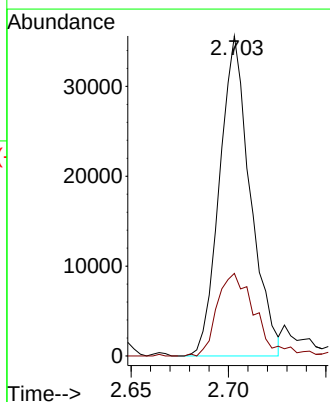
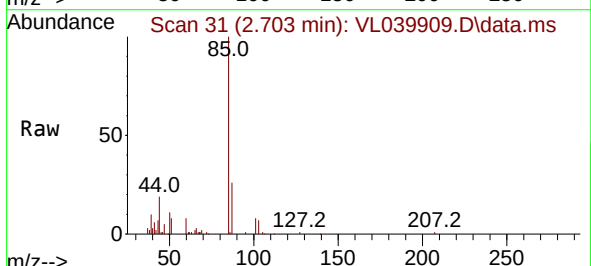
Manual Integrations
APPROVED

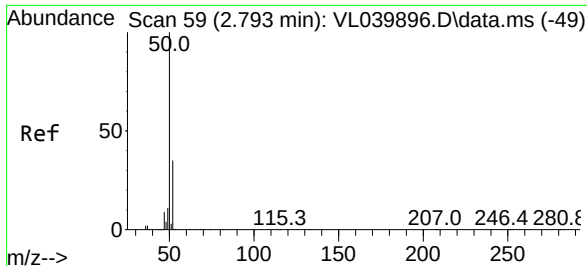
Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022



#2
Dichlorodifluoromethane
Concen: 0.262 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL039909.D
Acq: 21 Nov 2022 14:15

Tgt Ion: 85 Resp: 39101
Ion Ratio Lower Upper
85 100
87 25.8 25.0 37.4





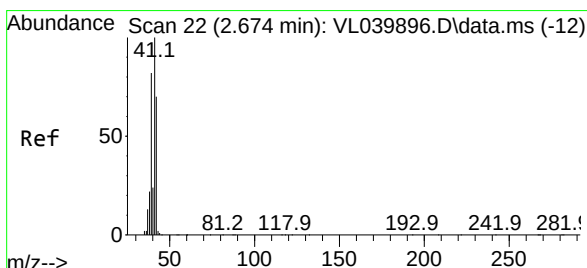
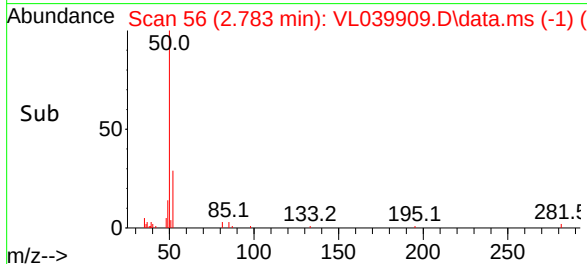
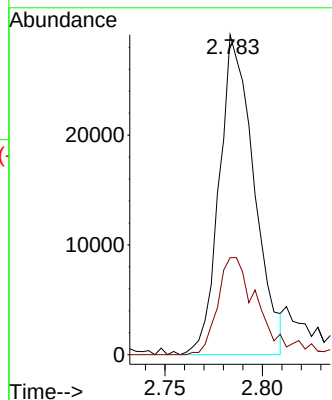
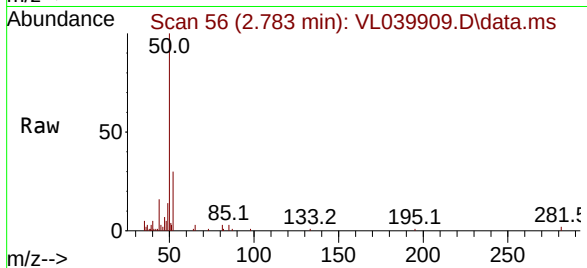
#4
Chloromethane
Concen: 0.392 ppbv
RT: 2.783 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL039909.D
Acq: 21 Nov 2022 14:15

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 50 Resp: 36090
Ion Ratio Lower Upper
50 100
52 29.2 27.8 41.8

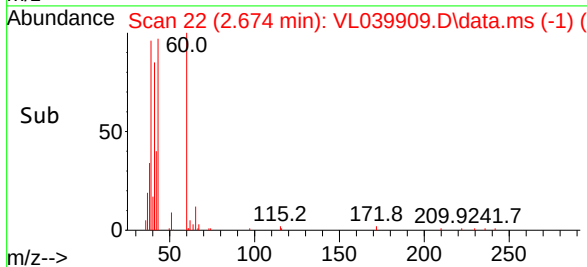
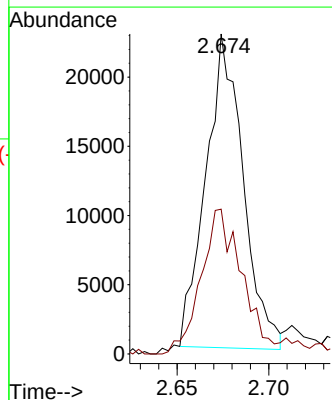
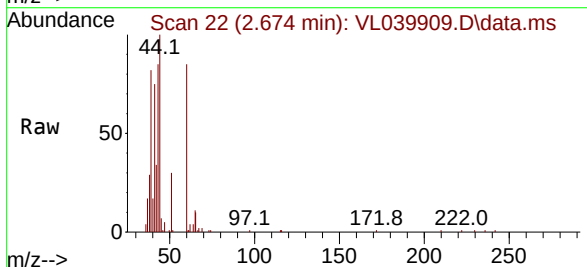
Manual Integrations
APPROVED

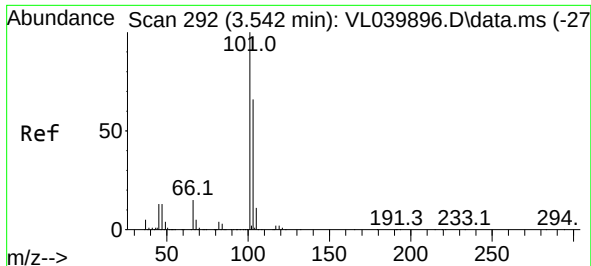
Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022



#9
Propene
Concen: 0.473 ppbv
RT: 2.674 min Scan# 22
Delta R.T. 0.013 min
Lab File: VL039909.D
Acq: 21 Nov 2022 14:15

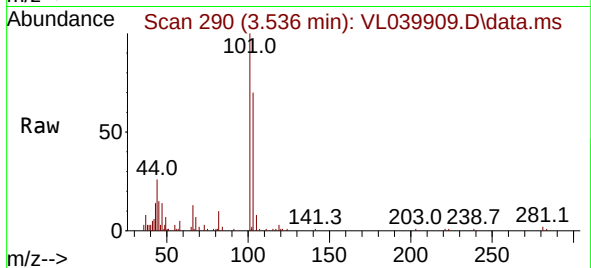
Tgt Ion: 41 Resp: 32049
Ion Ratio Lower Upper
41 100
42 54.8 55.8 83.6#





#11
Trichlorofluoromethane
Concen: 0.246 ppbv
RT: 3.536 min Scan# 292
Delta R.T. 0.006 min
Lab File: VL039909.D
Acq: 21 Nov 2022 14:15

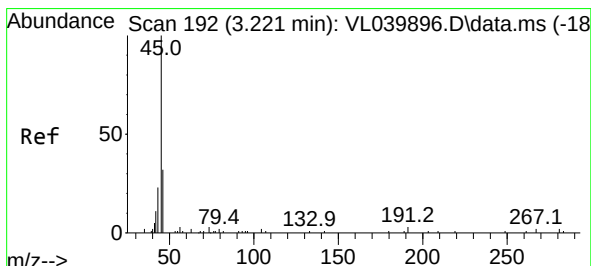
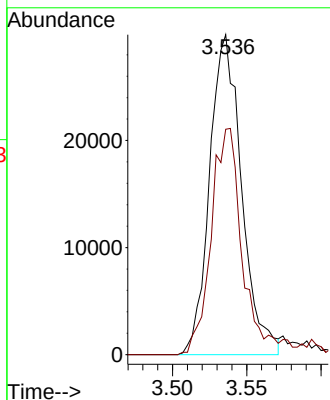
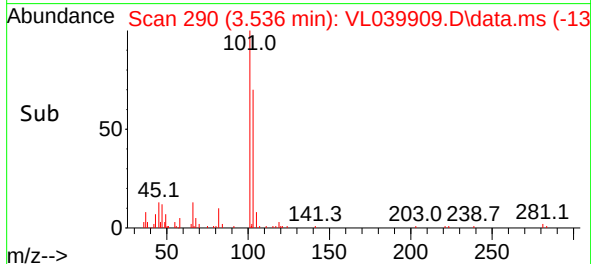
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion:101 Resp: 44728
Ion Ratio Lower Upper
101 100
103 70.5 52.6 78.8

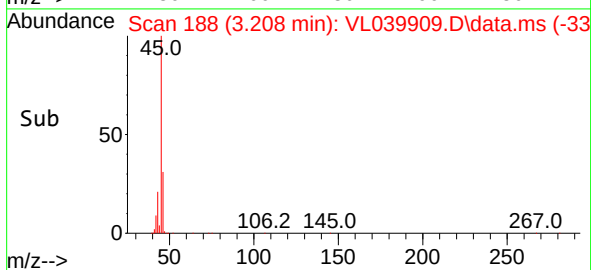
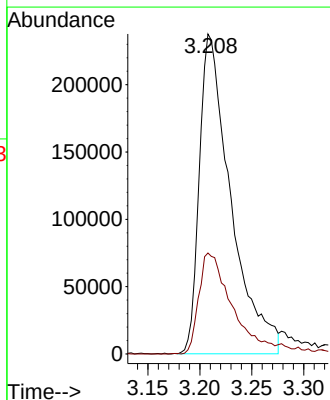
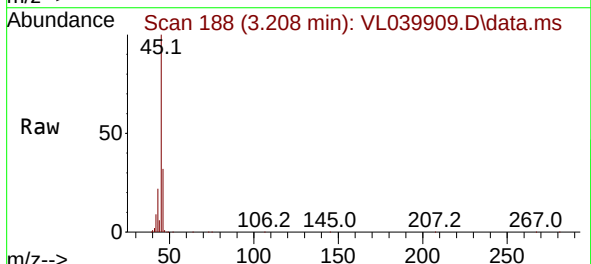
Manual Integrations
APPROVED

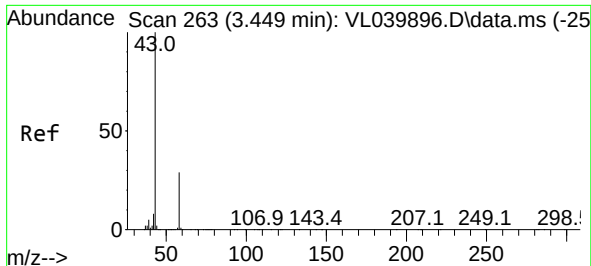
Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022



#13
Ethanol
Concen: 96.564 ppbv
RT: 3.208 min Scan# 188
Delta R.T. -0.000 min
Lab File: VL039909.D
Acq: 21 Nov 2022 14:15

Tgt Ion: 45 Resp: 499719
Ion Ratio Lower Upper
45 100
46 35.7 14.6 58.2





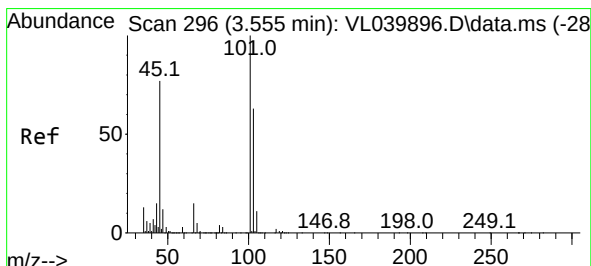
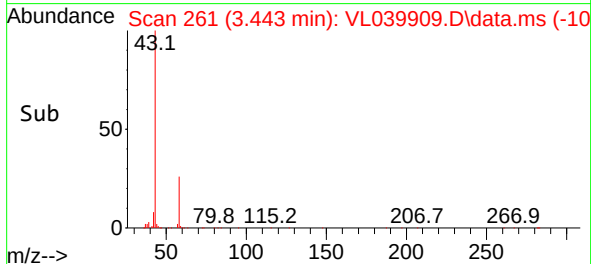
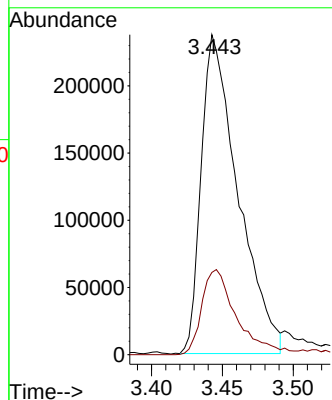
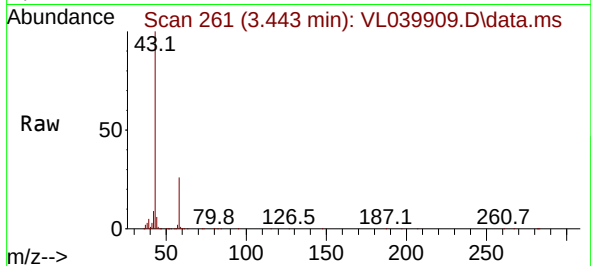
#15
Acetone
Concen: 3.102 ppbv
RT: 3.443 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL039909.D
Acq: 21 Nov 2022 14:15

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 43 Resp: 429089
Ion Ratio Lower Upper
43 100
58 26.8 22.9 34.3

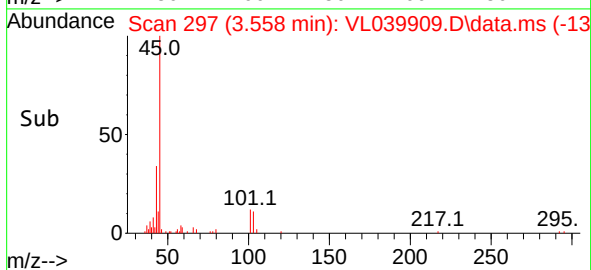
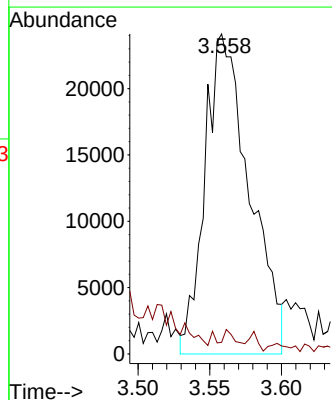
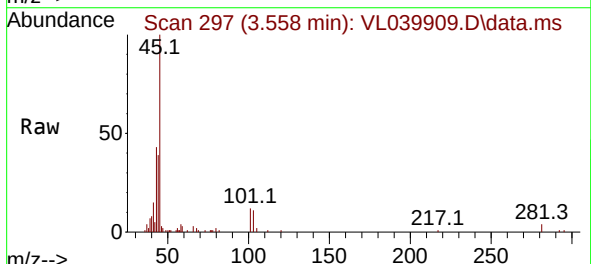
Manual Integrations
APPROVED

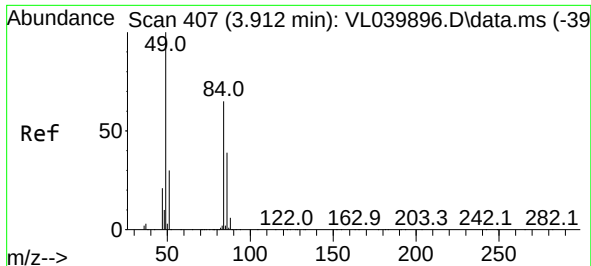
Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022



#19
Isopropyl Alcohol
Concen: 0.697 ppbv m
RT: 3.558 min Scan# 297
Delta R.T. 0.016 min
Lab File: VL039909.D
Acq: 21 Nov 2022 14:15

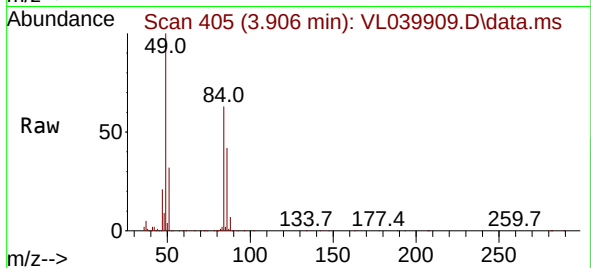
Tgt Ion: 45 Resp: 52208
Ion Ratio Lower Upper
45 100
58 219.1 38.7 58.1#





#20
Methylene Chloride
Concen: 12.554 ppbv
RT: 3.906 min Scan# 407
Delta R.T. 0.006 min
Lab File: VL039909.D
Acq: 21 Nov 2022 14:15

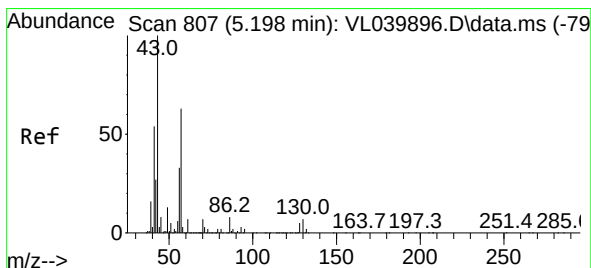
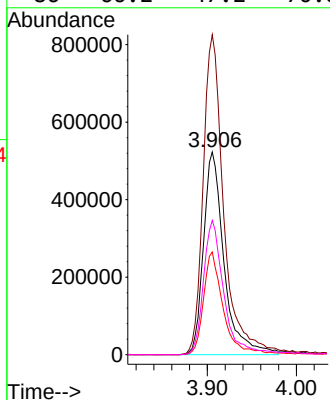
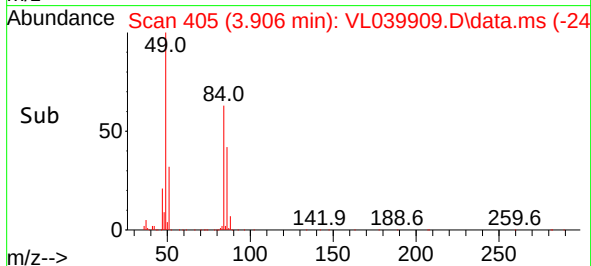
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



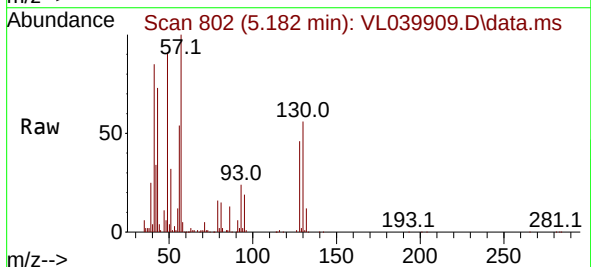
Tgt Ion: 84 Resp: 84125
Ion Ratio Lower Upper
84 100
49 157.8 122.2 183.4
51 50.6 36.3 54.5
86 66.2 47.2 70.8

Manual Integrations
APPROVED

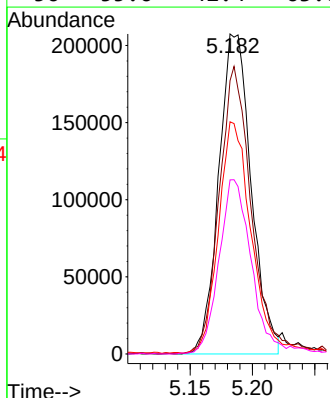
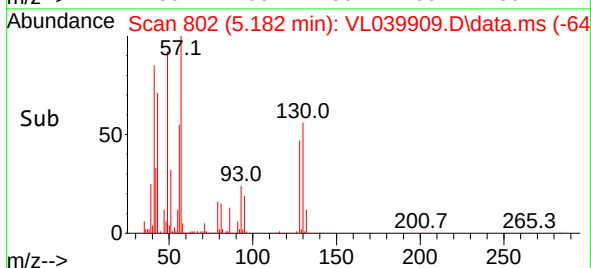
Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022

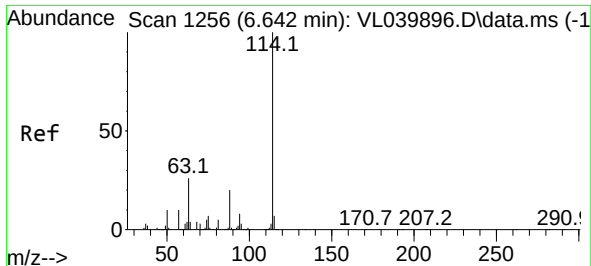


#26
Hexane
Concen: 3.387 ppbv
RT: 5.182 min Scan# 802
Delta R.T. -0.000 min
Lab File: VL039909.D
Acq: 21 Nov 2022 14:15



Tgt Ion: 57 Resp: 375779
Ion Ratio Lower Upper
57 100
41 91.0 72.3 108.5
43 73.6 188.7 283.1#
56 55.6 42.4 63.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.626 min Scan# 114

Delta R.T. 0.006 min

Lab File: VL039909.D

Acq: 21 Nov 2022 14:15

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

Tgt Ion:114 Resp: 323084

Ion Ratio Lower Upper

114 100

63 24.8 21.4 32.0

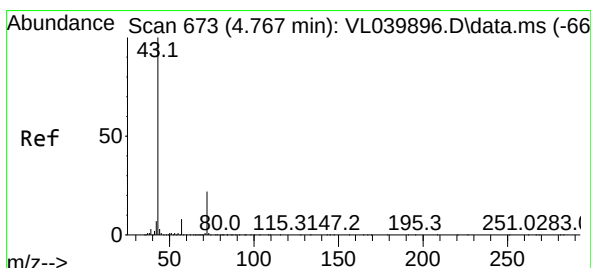
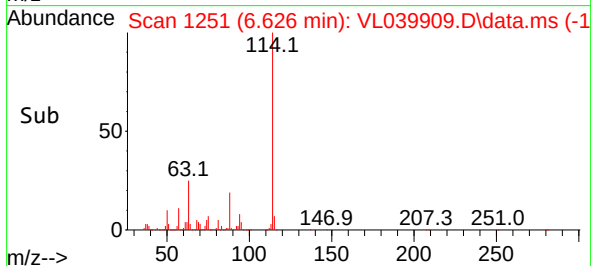
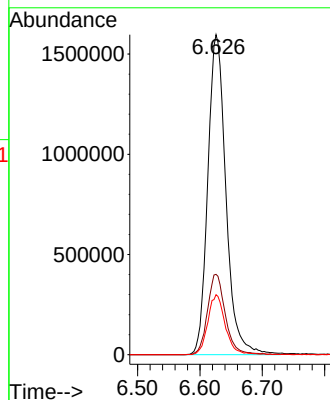
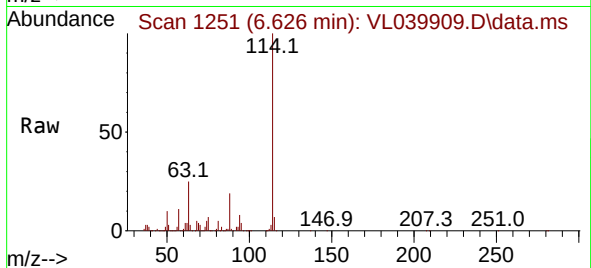
88 18.1 15.3 22.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2022

Supervised By :Mahesh Dadoda 11/24/2022



#34

2-Butanone

Concen: 0.177 ppbv m

RT: 4.774 min Scan# 675

Delta R.T. 0.022 min

Lab File: VL039909.D

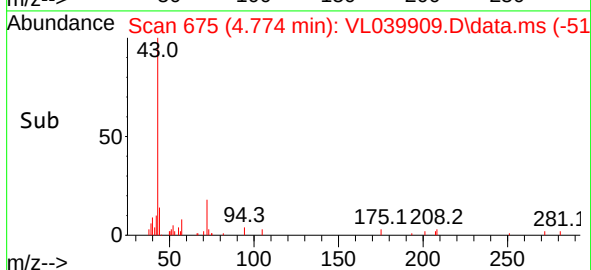
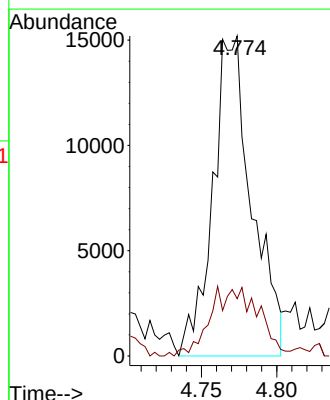
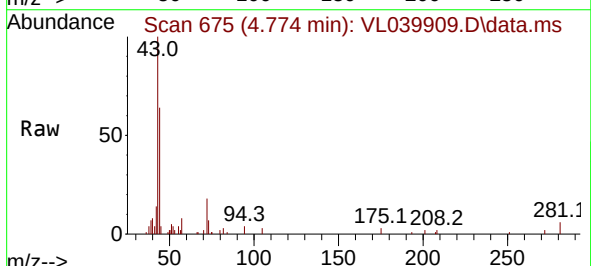
Acq: 21 Nov 2022 14:15

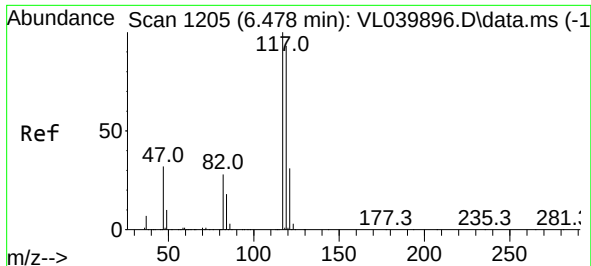
Tgt Ion: 43 Resp: 27417

Ion Ratio Lower Upper

43 100

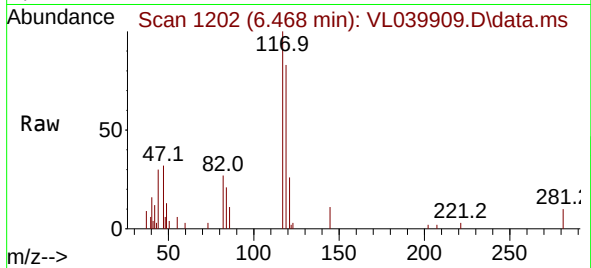
72 27.9 17.4 26.2#





#35
Carbon Tetrachloride
Concen: 0.074 ppbv m
RT: 6.468 min Scan# 1164
Delta R.T. 0.006 min
Lab File: VL039909.D
Acq: 21 Nov 2022 14:15

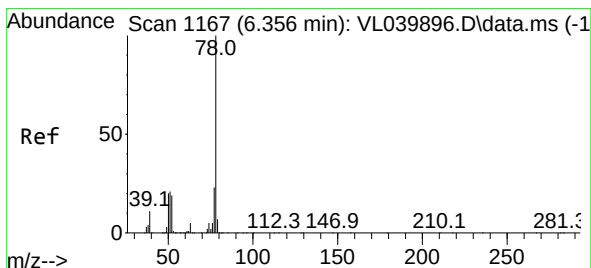
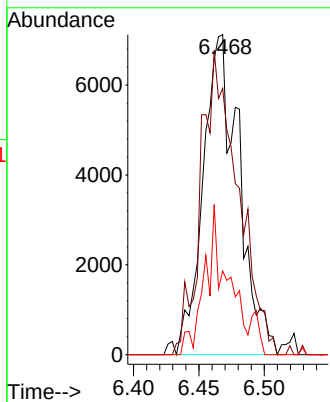
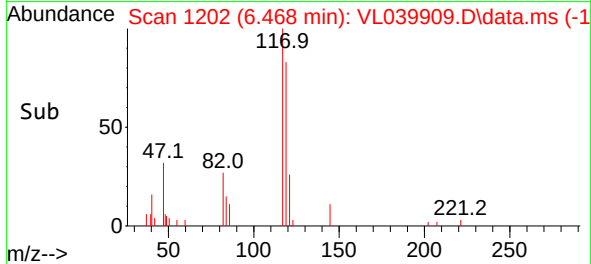
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 117 Resp: 1356
Ion Ratio Lower Upper
117 100
119 83.2 74.7 112.1
121 26.1 24.5 36.7

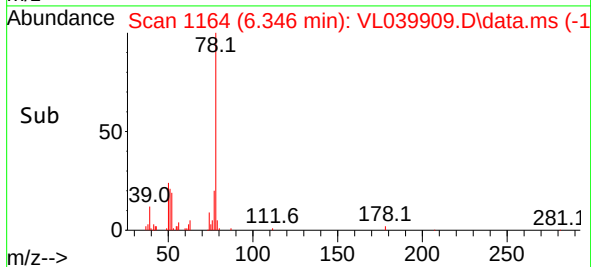
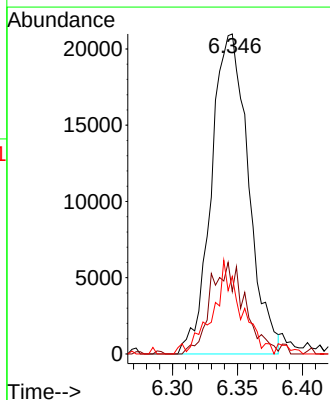
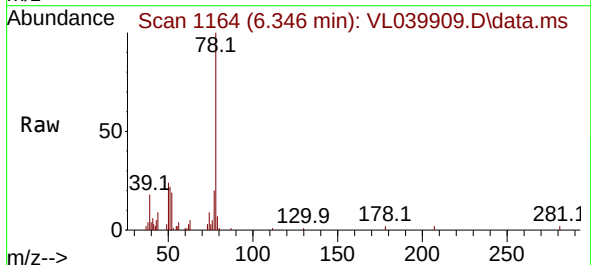
Manual Integrations
APPROVED

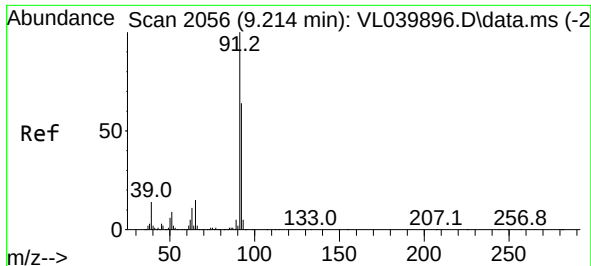
Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022



#36
Benzene
Concen: 0.151 ppbv
RT: 6.346 min Scan# 1164
Delta R.T. 0.010 min
Lab File: VL039909.D
Acq: 21 Nov 2022 14:15

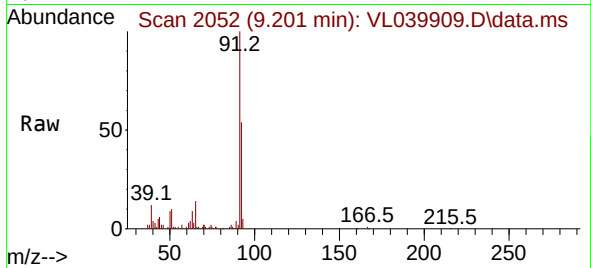
Tgt Ion: 78 Resp: 41505
Ion Ratio Lower Upper
78 100
77 19.6 18.2 27.2
50 22.2 15.8 23.8





#53
Toluene
Concen: 0.330 ppbv
RT: 9.201 min Scan# 2056
Delta R.T. 0.009 min
Lab File: VL039909.D
Acq: 21 Nov 2022 14:15

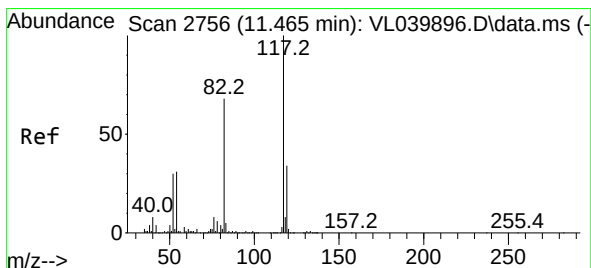
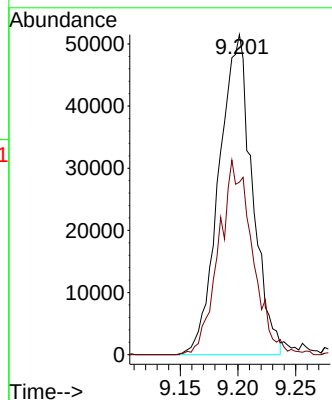
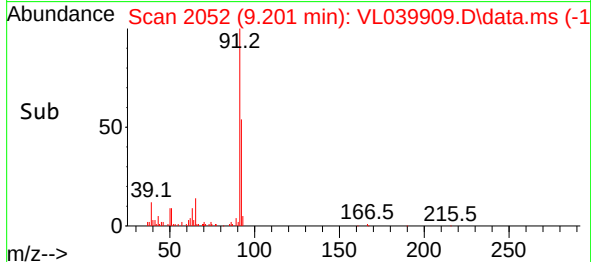
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



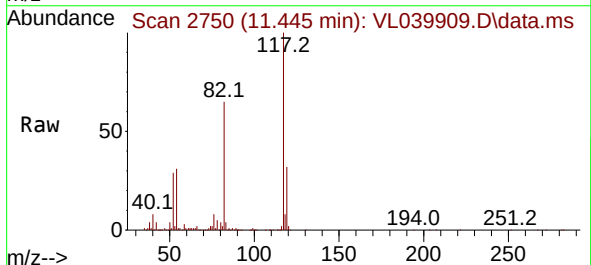
Tgt Ion: 91 Resp: 103338
Ion Ratio Lower Upper
91 100
92 62.0 49.8 74.6

Manual Integrations
APPROVED

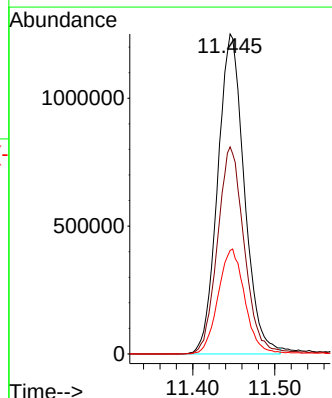
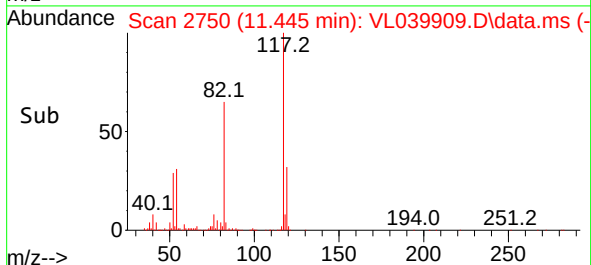
Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022

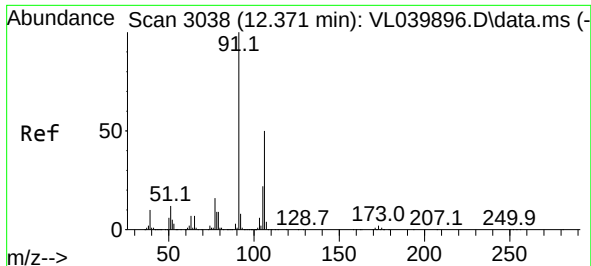


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.445 min Scan# 2750
Delta R.T. 0.006 min
Lab File: VL039909.D
Acq: 21 Nov 2022 14:15



Tgt Ion:117 Resp: 2817763
Ion Ratio Lower Upper
117 100
82 66.8 52.3 78.5
119 33.4 25.7 38.5





#59

m/p-Xylene

Concen: 0.101 ppbv m

RT: 12.323 min Scan# 3038

Delta R.T. -0.023 min

Lab File: VL039909.D

Acq: 21 Nov 2022 14:15

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

Tgt Ion: 91 Resp: 3241

Ion Ratio Lower Upper

91 100

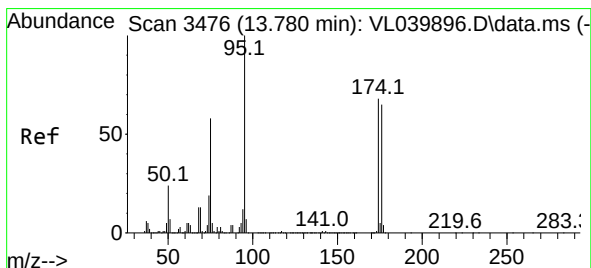
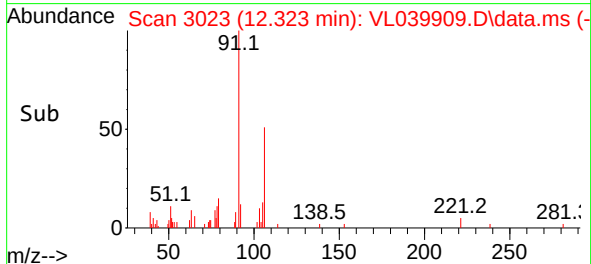
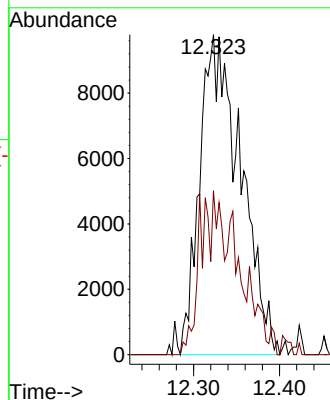
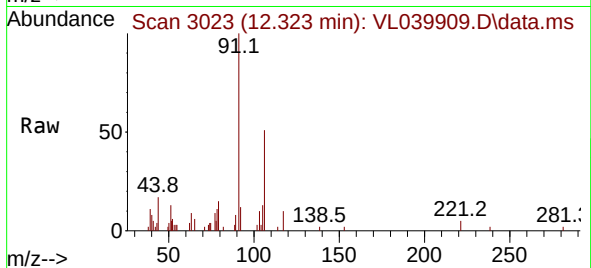
106 0.0 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2022

Supervised By :Mahesh Dadoda 11/24/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 10.265 ppbv

RT: 13.764 min Scan# 3471

Delta R.T. 0.010 min

Lab File: VL039909.D

Acq: 21 Nov 2022 14:15

Tgt Ion: 95 Resp: 2209298

Ion Ratio Lower Upper

95 100

174 62.7 53.7 80.5

175 4.6 4.0 6.0

