

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL039991.D
 Acq On : 13 Dec 2022 1:02
 Operator : SY/MD
 Sample : N6020-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

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

Quant Time: Dec 13 07:12:05 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 12 2022

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	5.169	49	1062555	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.632	114	2832577	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.449	117	2595654	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	2190765	11.050	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.706	85	27583	0.181	ppbv	100
4) Chloromethane	2.790	50	10417	0.111	ppbv	98
10) Heptane	7.558	43	78366	0.470	ppbv	96
13) Ethanol	3.218	45	163164	30.943	ppbv	98
15) Acetone	3.449	43	605292	4.295	ppbv	98
19) Isopropyl Alcohol	3.562	45	83797	1.098	ppbv #	45
20) Methylene Chloride	3.912	84	45329	0.664	ppbv #	93
26) Hexane	5.192	57	212666	1.881	ppbv #	37
29) Chloroform	5.253	83	271337	1.806	ppbv	99
36) Benzene	6.349	78	46012m	0.191	ppbv	
52) Tetrachloroethene	10.597	164	44495m	0.494	ppbv	
53) Toluene	9.201	91	116508	0.425	ppbv	99
59) m/p-Xylene	12.330	91	103372m	0.351	ppbv	
60) o-Xylene	13.044	91	50726	0.180	ppbv	91

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

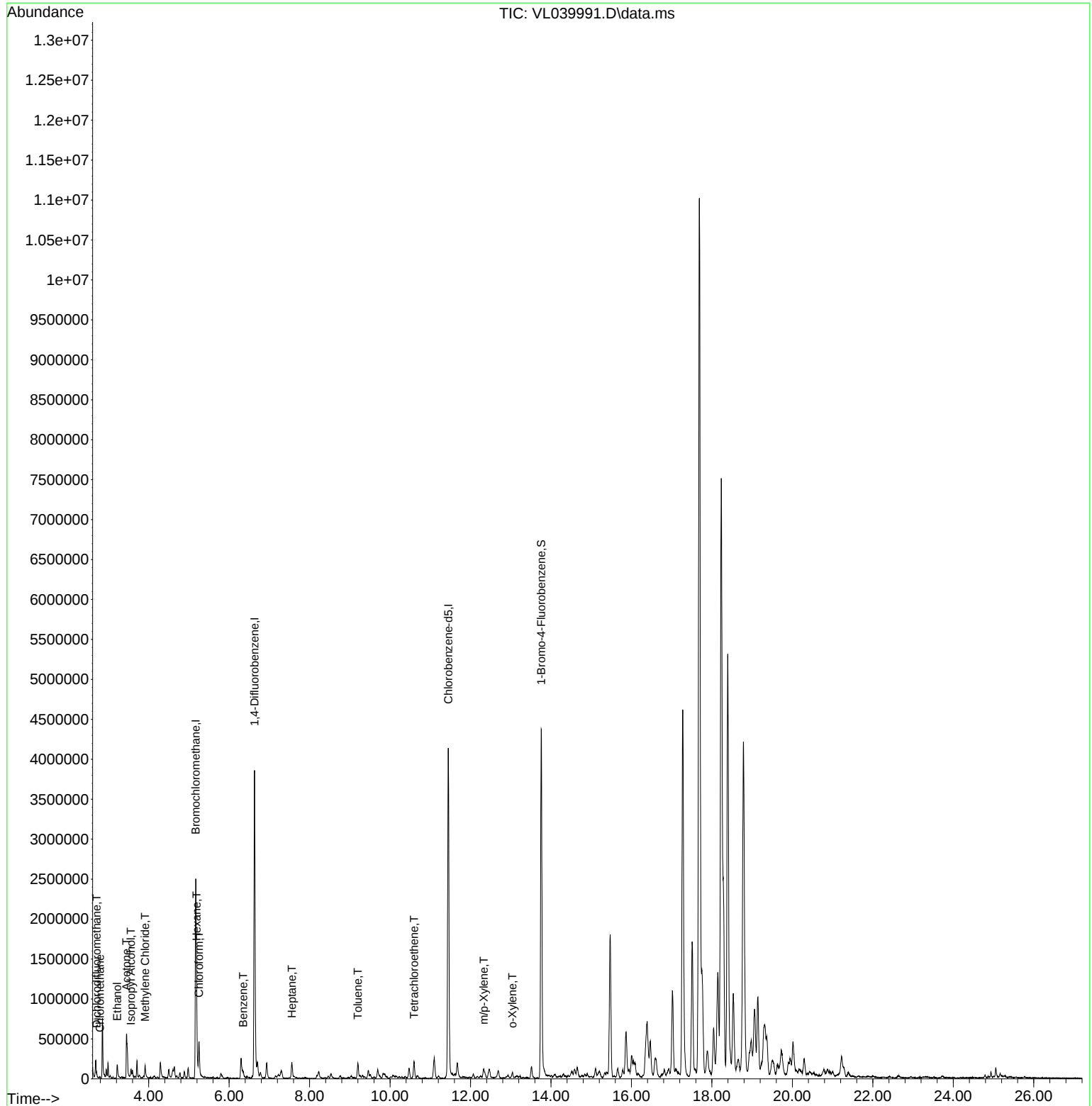
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
Data File : VL039991.D
Acq On : 13 Dec 2022 1:02
Operator : SY/MD
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SV1

Quant Time: Dec 13 07:12:05 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

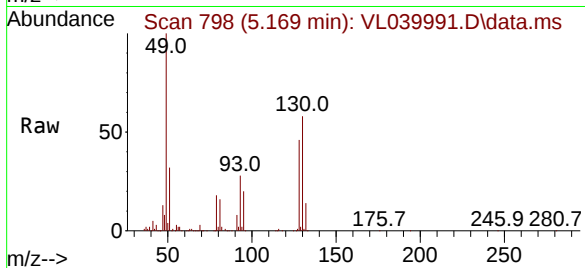
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.169 min Scan# 79
Delta R.T. 0.013 min
Lab File: VL039991.D
Acq: 13 Dec 2022 1:02

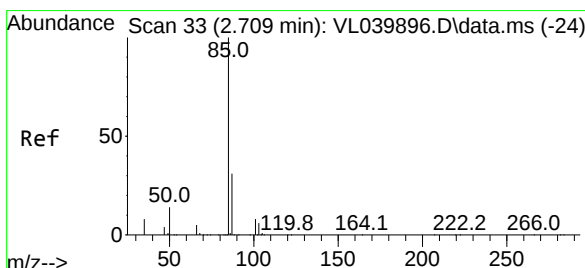
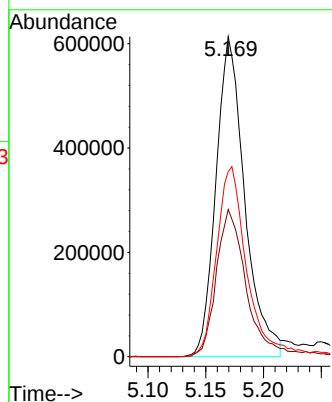
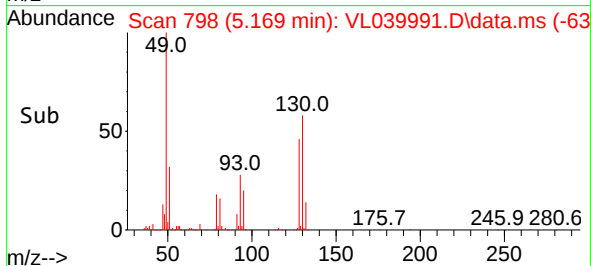
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 106255
Ion Ratio Lower Upper
49 100
128 50.0 22.1 66.3
130 64.3 27.7 83.1

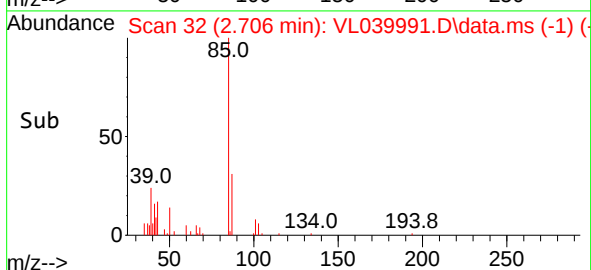
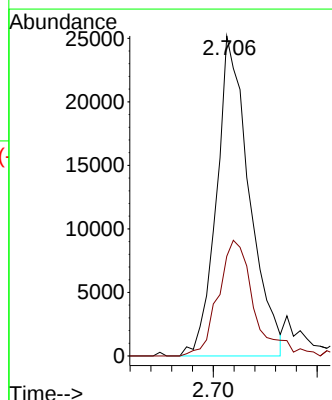
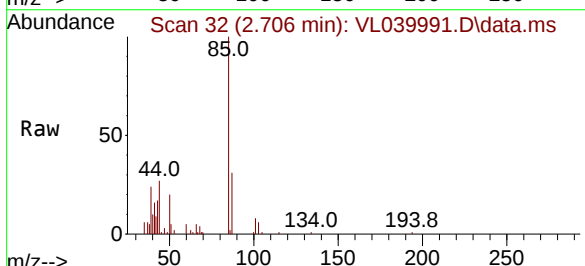
Manual Integrations
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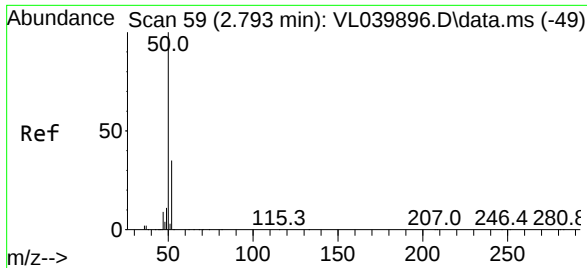
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#2
Dichlorodifluoromethane
Concen: 0.181 ppbv
RT: 2.706 min Scan# 32
Delta R.T. 0.010 min
Lab File: VL039991.D
Acq: 13 Dec 2022 1:02

Tgt Ion: 85 Resp: 27583
Ion Ratio Lower Upper
85 100
87 31.1 25.0 37.4





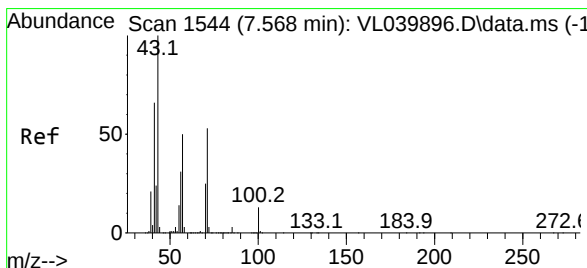
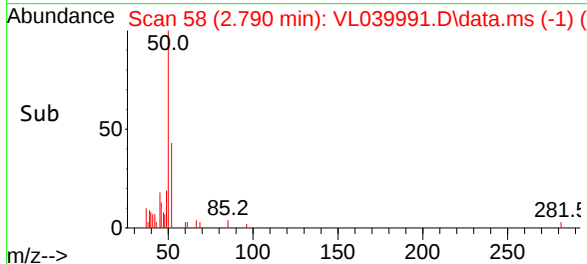
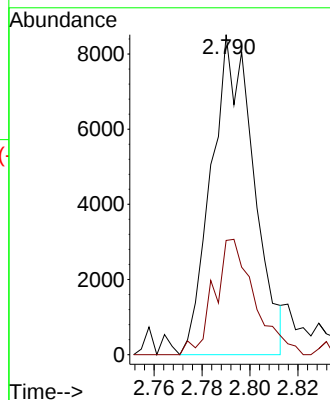
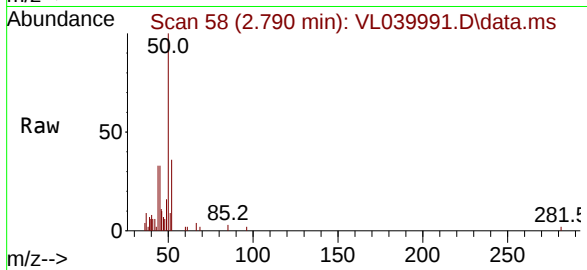
#4
Chloromethane
Concen: 0.111 ppbv
RT: 2.790 min Scan# 59
Delta R.T. 0.010 min
Lab File: VL039991.D
Acq: 13 Dec 2022 1:02

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 50 Resp: 1041
Ion Ratio Lower Upper
50 100
52 35.7 27.8 41.8

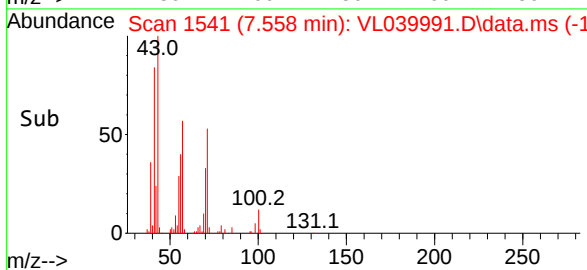
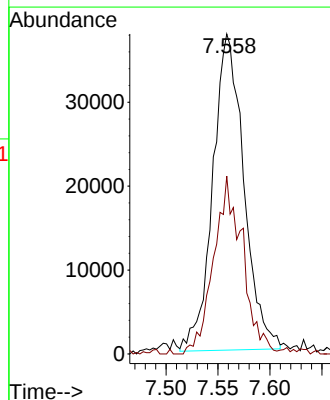
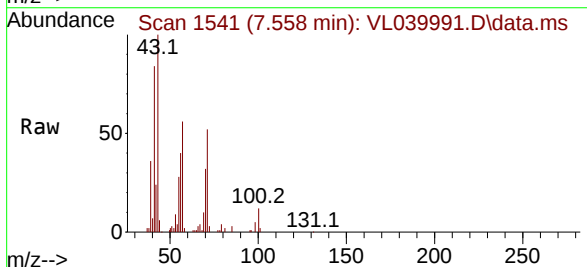
Manual Integrations
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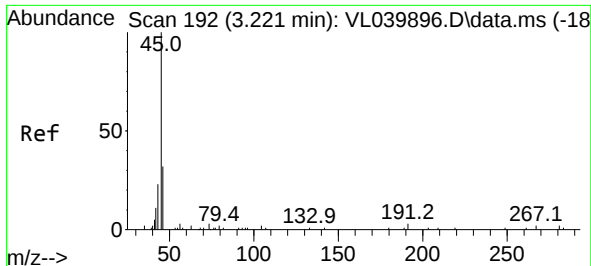
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#10
Heptane
Concen: 0.470 ppbv
RT: 7.558 min Scan# 1541
Delta R.T. 0.013 min
Lab File: VL039991.D
Acq: 13 Dec 2022 1:02

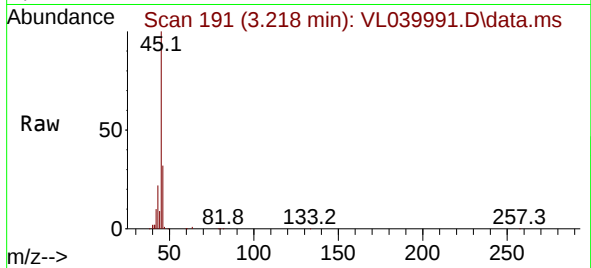
Tgt Ion: 43 Resp: 78366
Ion Ratio Lower Upper
43 100
57 53.5 40.7 61.1





#13
Ethanol
Concen: 30.943 ppbv
RT: 3.218 min Scan# 191
Delta R.T. 0.003 min
Lab File: VL039991.D
Acq: 13 Dec 2022 1:02

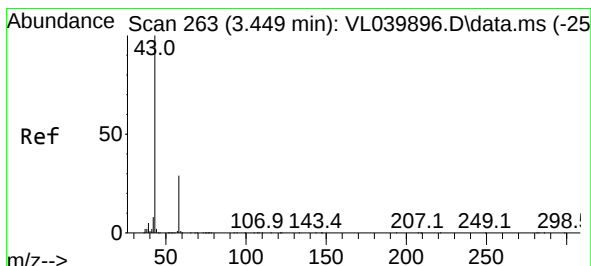
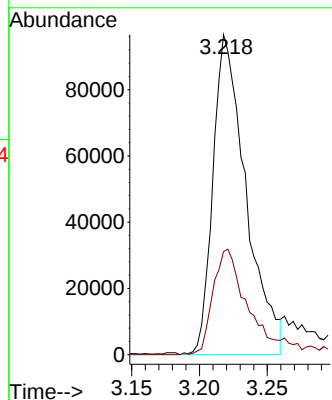
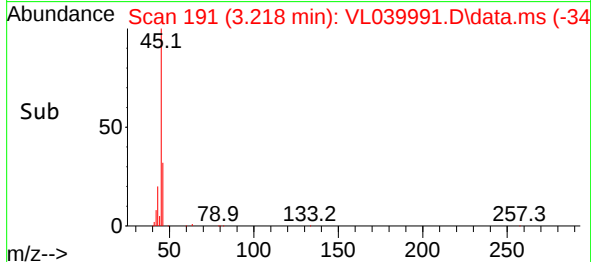
Instrument :
MSVOA_L
ClientSampleId :
SV1



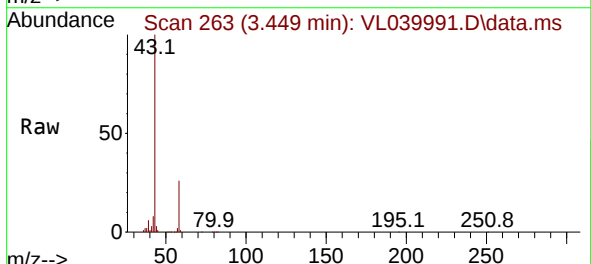
Tgt Ion: 45 Resp: 163164
Ion Ratio Lower Upper
45 100
46 37.8 14.6 58.2

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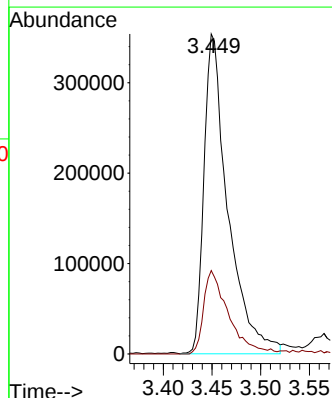
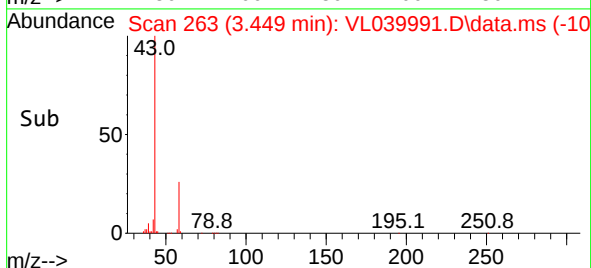
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

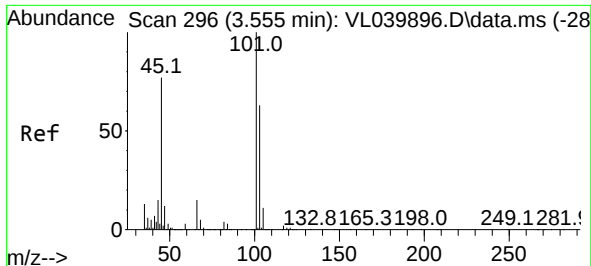


#15
Acetone
Concen: 4.295 ppbv
RT: 3.449 min Scan# 263
Delta R.T. 0.016 min
Lab File: VL039991.D
Acq: 13 Dec 2022 1:02



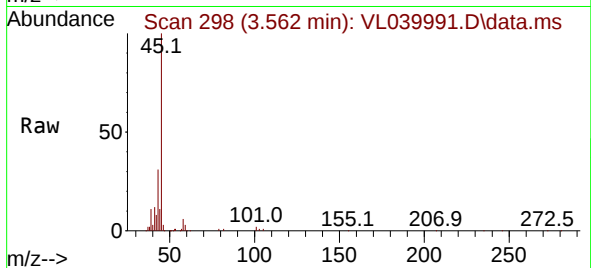
Tgt Ion: 43 Resp: 605292
Ion Ratio Lower Upper
43 100
58 27.7 22.9 34.3





#19
Isopropyl Alcohol
Concen: 1.098 ppbv
RT: 3.562 min Scan# 296
Delta R.T. 0.020 min
Lab File: VL039991.D
Acq: 13 Dec 2022 1:02

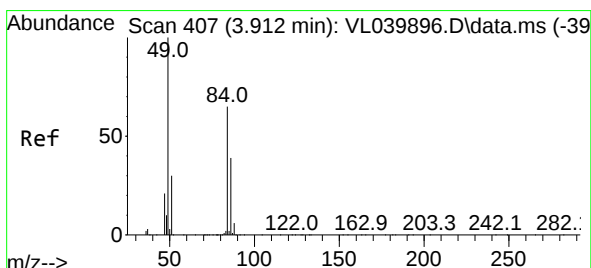
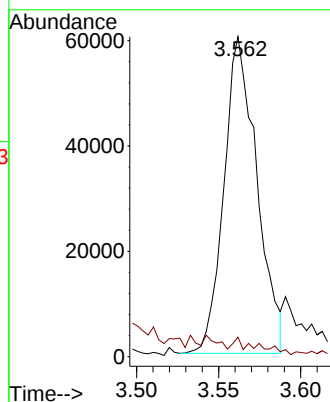
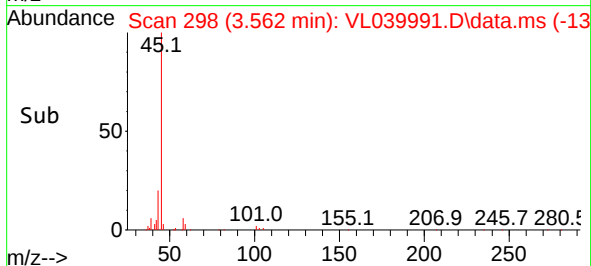
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 45 Resp: 8379
Ion Ratio Lower Upper
45 100
58 11.2 38.7 58.1

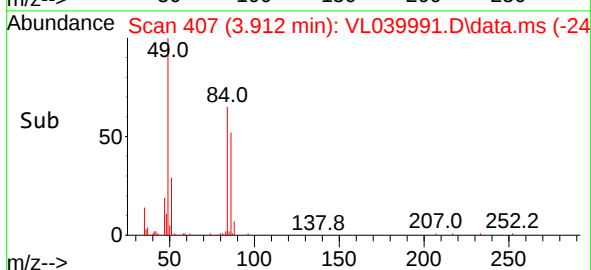
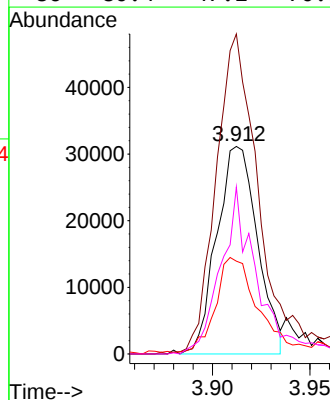
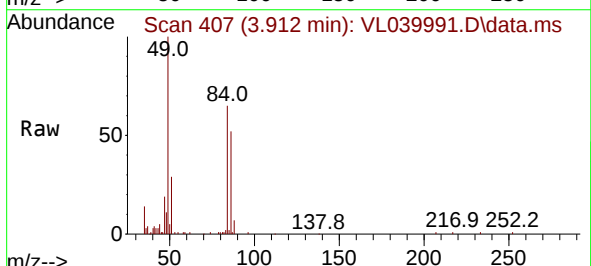
Manual Integrations
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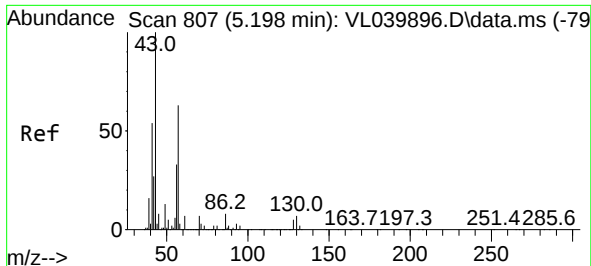
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#20
Methylene Chloride
Concen: 0.664 ppbv
RT: 3.912 min Scan# 407
Delta R.T. 0.016 min
Lab File: VL039991.D
Acq: 13 Dec 2022 1:02

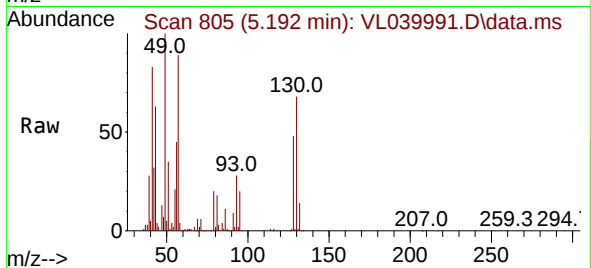
Tgt Ion: 84 Resp: 45329
Ion Ratio Lower Upper
84 100
49 153.2 122.2 183.4
51 43.7 36.3 54.5
86 80.4 47.2 70.8





#26
Hexane
Concen: 1.881 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.016 min
Lab File: VL039991.D
Acq: 13 Dec 2022 1:02

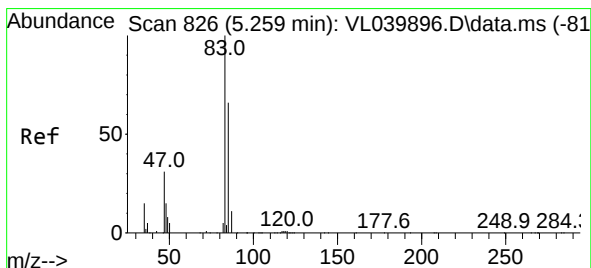
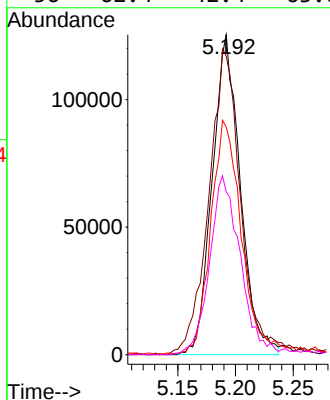
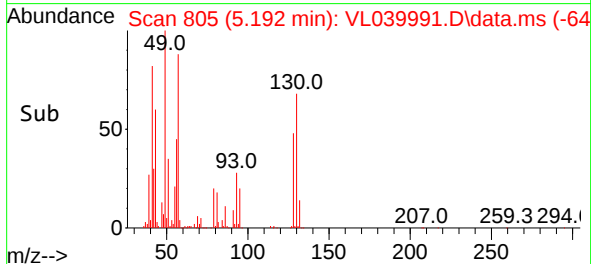
Instrument :
MSVOA_L
ClientSampleId :
SV1



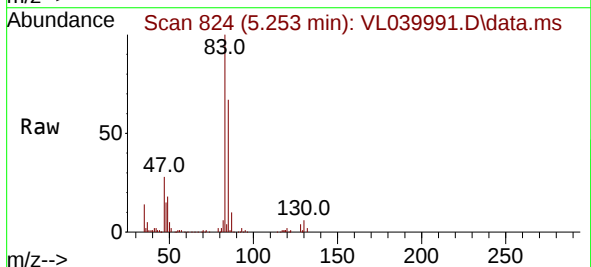
Tgt Ion: 57 Resp: 212660
Ion Ratio Lower Upper
57 100
41 110.4 72.3 108.5
43 83.0 188.7 283.1
56 62.4 42.4 63.6

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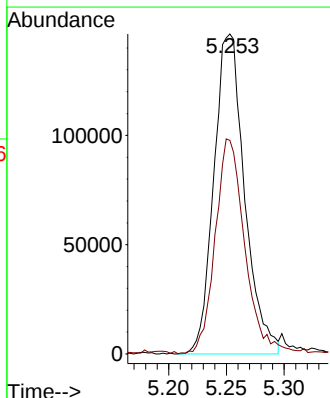
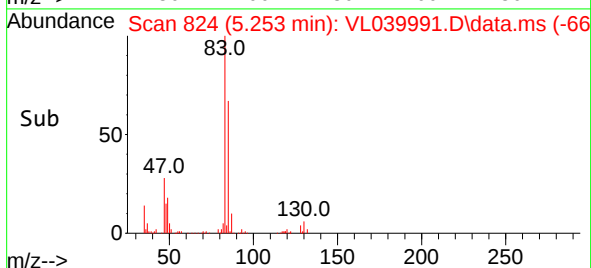
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

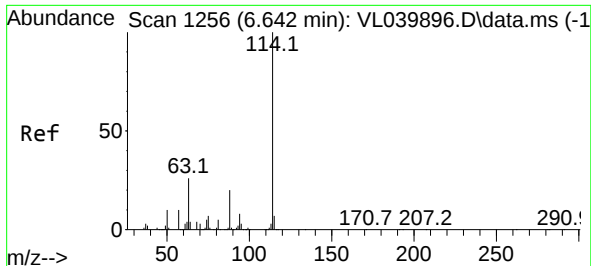


#29
Chloroform
Concen: 1.806 ppbv
RT: 5.253 min Scan# 824
Delta R.T. 0.016 min
Lab File: VL039991.D
Acq: 13 Dec 2022 1:02



Tgt Ion: 83 Resp: 271337
Ion Ratio Lower Upper
83 100
85 66.6 52.4 78.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.632 min Scan# 1165

Delta R.T. 0.013 min

Lab File: VL039991.D

Acq: 13 Dec 2022 1:02

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion:114 Resp: 283257

Ion Ratio Lower Upper

114 100

63 25.9 21.4 32.0

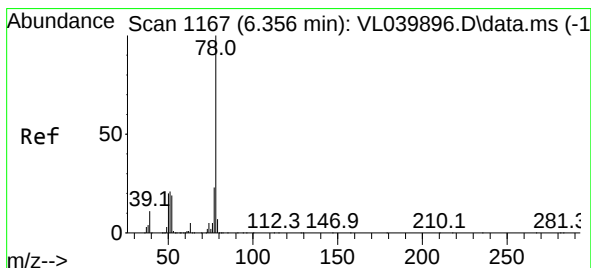
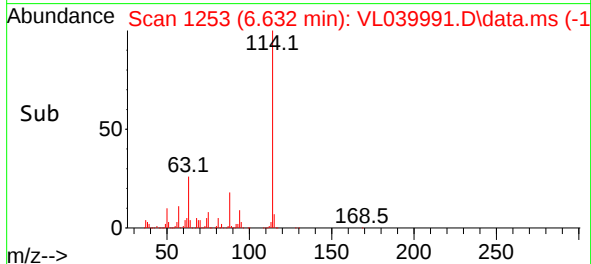
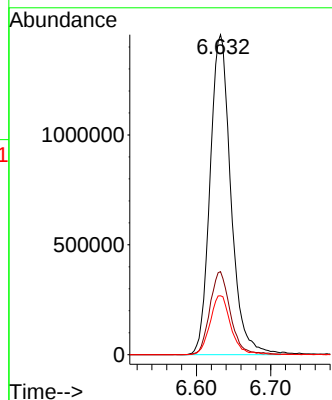
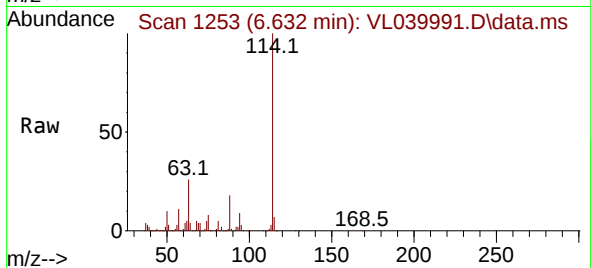
88 18.4 15.3 22.9

Manual Integrations

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Supervised By :Mahesh Dadoda 12/14/2022



#36

Benzene

Concen: 0.191 ppbv m

RT: 6.349 min Scan# 1165

Delta R.T. 0.016 min

Lab File: VL039991.D

Acq: 13 Dec 2022 1:02

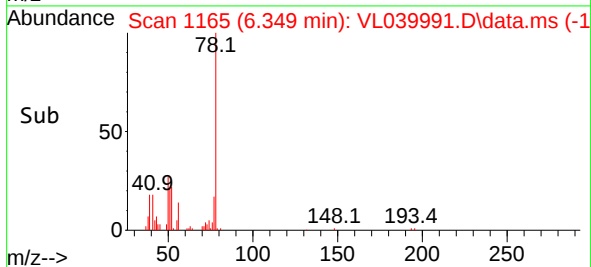
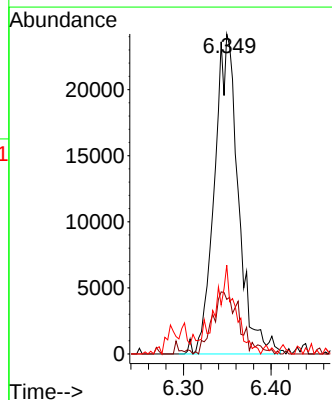
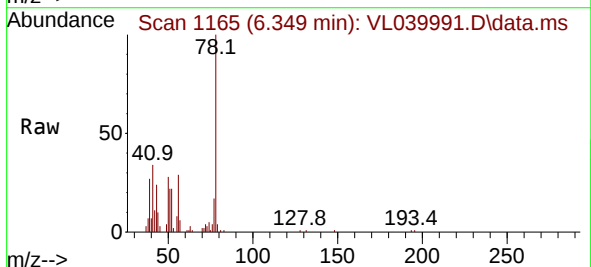
Tgt Ion: 78 Resp: 46012

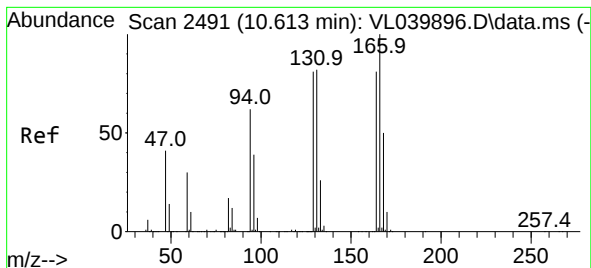
Ion Ratio Lower Upper

78 100

77 17.1 18.2 27.2#

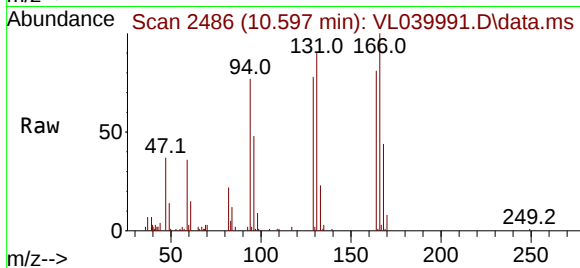
50 27.8 15.8 23.8#





#52
Tetrachloroethene
Concen: 0.494 ppbv m
RT: 10.597 min Scan# 2491
Delta R.T. 0.016 min
Lab File: VL039991.D
Acq: 13 Dec 2022 1:02

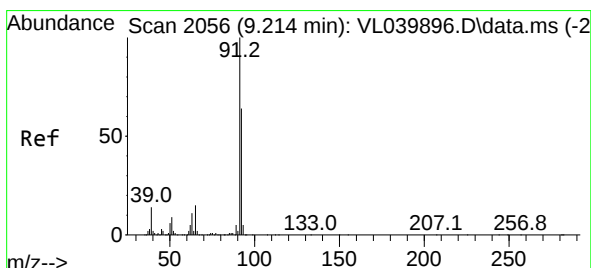
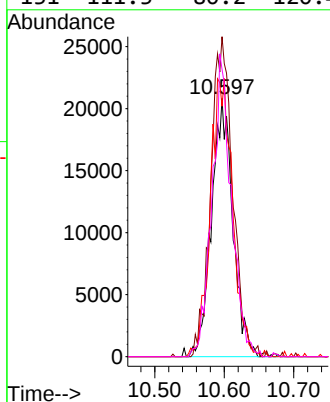
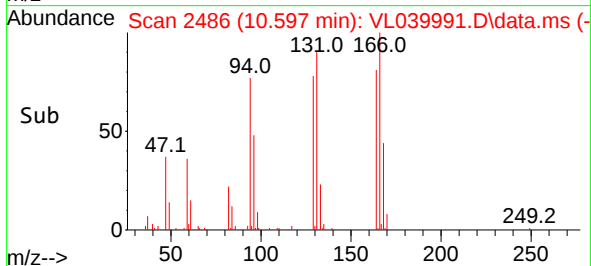
Instrument :
MSVOA_L
ClientSampleId :
SV1



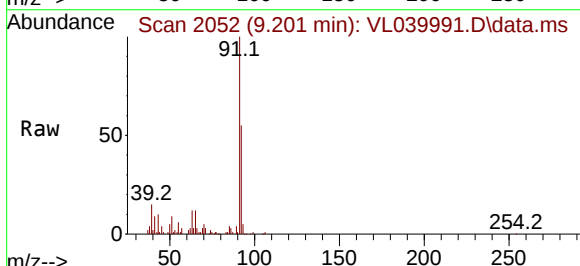
Tgt Ion:164 Resp: 4449
Ion Ratio Lower Upper
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129 97.0 79.7 119.5
131 111.3 80.2 120.4

Manual Integrations
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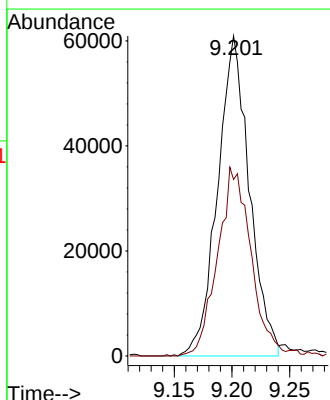
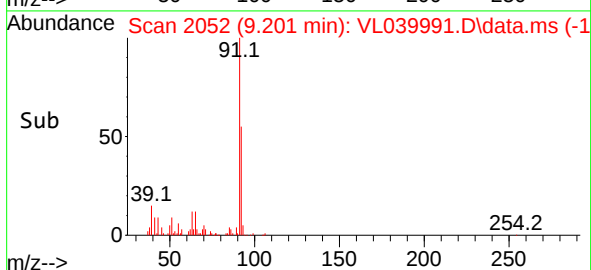
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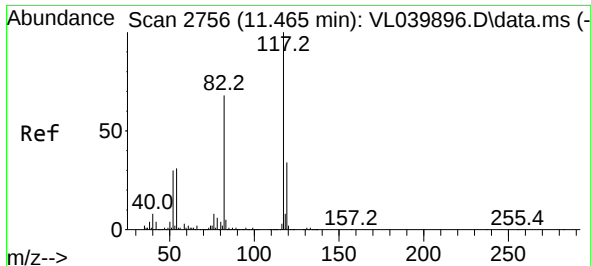


#53
Toluene
Concen: 0.425 ppbv
RT: 9.201 min Scan# 2052
Delta R.T. 0.016 min
Lab File: VL039991.D
Acq: 13 Dec 2022 1:02



Tgt Ion: 91 Resp: 116508
Ion Ratio Lower Upper
91 100
92 63.0 49.8 74.6





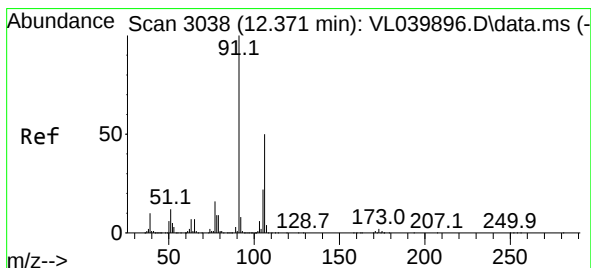
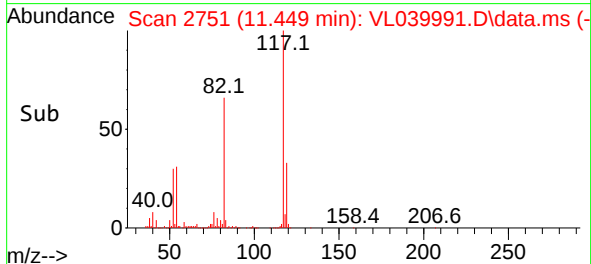
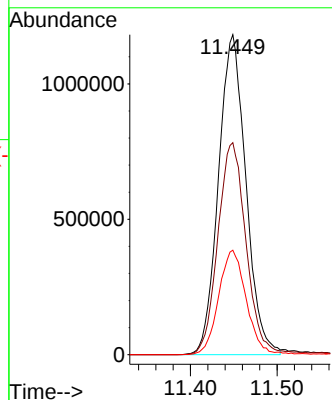
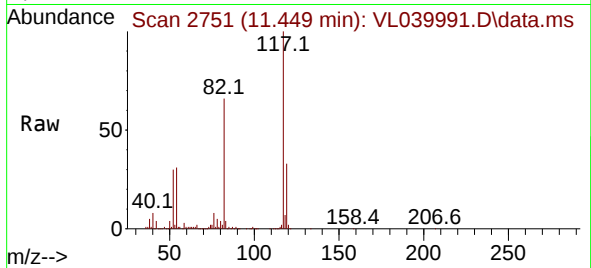
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL039991.D
Acq: 13 Dec 2022 1:02

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:117 Resp: 2595654
Ion Ratio Lower Upper
117 100
82 69.4 52.3 78.5
119 33.1 25.7 38.5

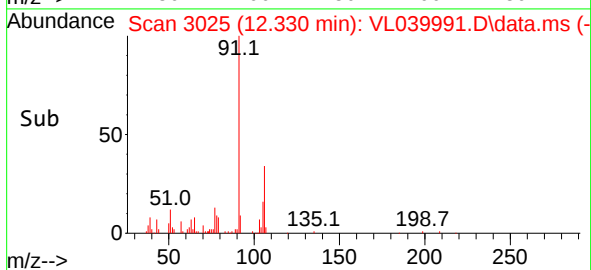
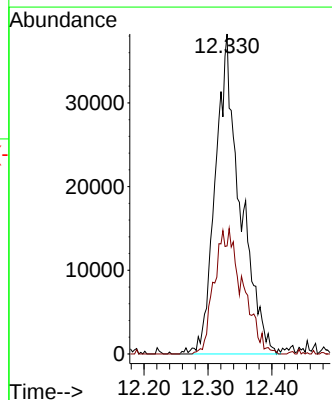
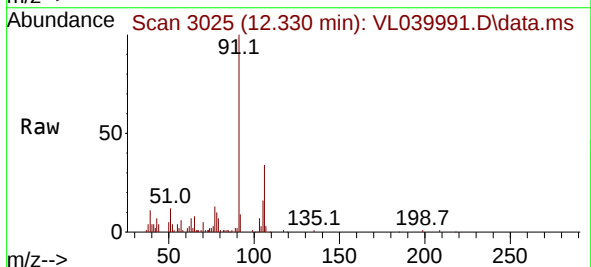
Manual Integrations
APPROVED

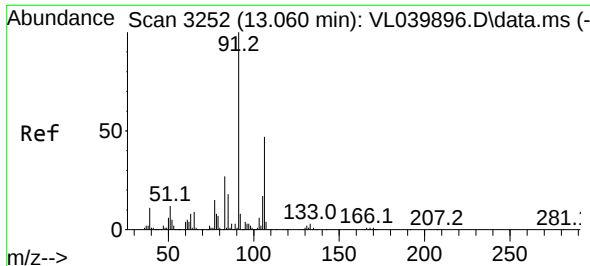
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#59
m/p-Xylene
Concen: 0.351 ppbv m
RT: 12.330 min Scan# 3025
Delta R.T. -0.009 min
Lab File: VL039991.D
Acq: 13 Dec 2022 1:02

Tgt Ion: 91 Resp: 103372
Ion Ratio Lower Upper
91 100
106 0.0 37.0 55.6#





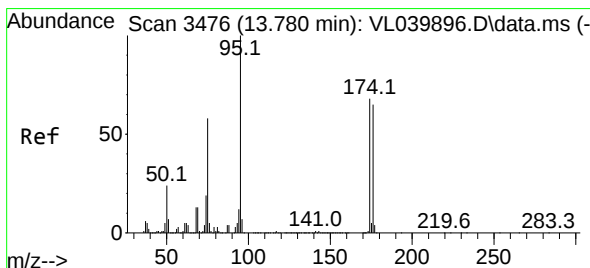
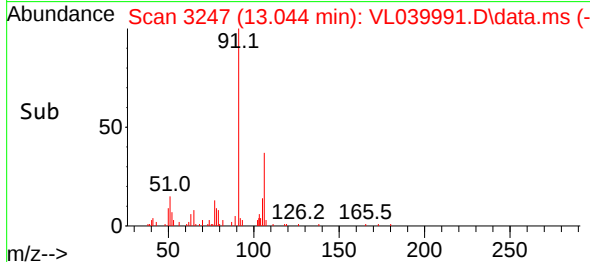
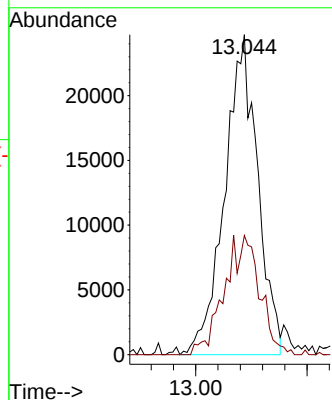
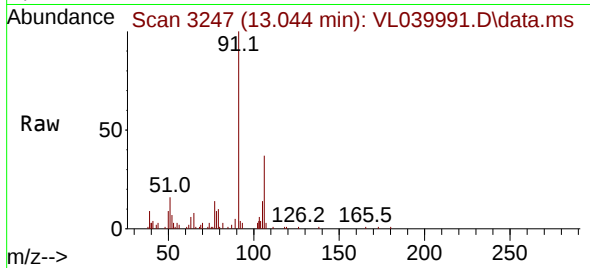
#60
o-Xylene
Concen: 0.180 ppbv
RT: 13.044 min Scan# 31
Delta R.T. 0.016 min
Lab File: VL039991.D
Acq: 13 Dec 2022 1:02

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 50720
Ion Ratio Lower Upper
91 100
106 40.2 23.2 69.6

Manual Integrations
APPROVED

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



#68
1-Bromo-4-Fluorobenzene
Concen: 11.050 ppbv
RT: 13.757 min Scan# 3469
Delta R.T. 0.016 min
Lab File: VL039991.D
Acq: 13 Dec 2022 1:02

Tgt Ion: 95 Resp: 2190765
Ion Ratio Lower Upper
95 100
174 60.2 53.7 80.5
175 4.2 4.0 6.0

