

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
 Data File : VL040934.D
 Acq On : 21 Dec 2023 17:50
 Operator : SY/MD
 Sample : 05813-05DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 10323DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/22/2023
 Supervised By : Mahesh Dadoda 12/26/2023

Quant Time: Dec 22 00:09:18 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Dec 21 07:32:42 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.188	49	1221943	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.639	114	3039457	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	2663511	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.744 95 1993831 10.163 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.754	85	26829	0.115	ppbv #	82
3) Chlorodifluoromethane	2.674	51	44902	0.244	ppbv #	59
9) Propene	2.725	41	29597m	0.488	ppbv	
10) Heptane	7.561	43	35671m	0.237	ppbv	
13) Ethanol	3.256	45	310602	20.292	ppbv	97
15) Acetone	3.488	43	345400	2.357	ppbv	93
19) Isopropyl Alcohol	3.587	45	2354693	30.792	ppbv #	99
20) Methylene Chloride	3.944	84	302020	5.782	ppbv	97
25) Ethyl Acetate	5.211	43	307731	1.212	ppbv #	81
26) Hexane	5.211	57	399045	3.546	ppbv #	43
27) Carbon Disulfide	4.131	76	15474	0.102	ppbv #	76
30) Cyclohexane	6.587	84	15671m	0.167	ppbv	
34) 2-Butanone	4.793	43	28127m	0.175	ppbv	
36) Benzene	6.359	78	44117	0.186	ppbv	96
44) 2,2,4-Trimethylpentane	7.311	57	81360	0.202	ppbv #	84
53) Toluene	9.198	91	153210	0.582	ppbv	97
58) Ethyl Benzene	12.060	91	32756	0.096	ppbv	90
59) m/p-Xylene	12.314	91	94773m	0.326	ppbv	
60) o-Xylene	13.021	91	29431m	0.107	ppbv	
74) 1,2,4-Trimethylbenzene	16.075	105	27811m	0.096	ppbv	

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
Data File : VL040934.D
Acq On : 21 Dec 2023 17:50
Operator : SY/MD
Sample : 05813-05DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
10323DL

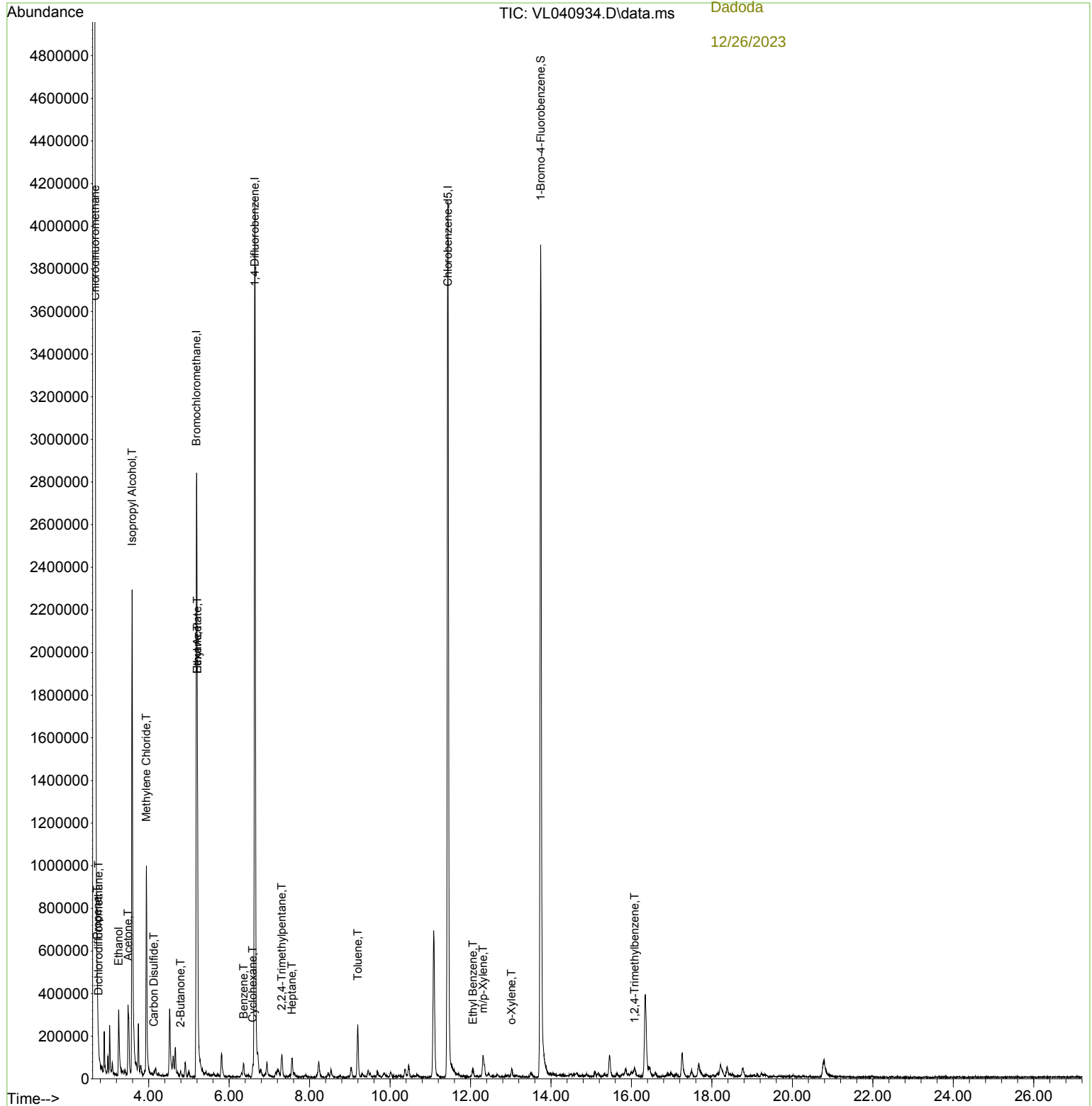
Quant Time: Dec 22 00:09:18 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Dec 21 07:32:42 2023
Response via : Initial Calibration

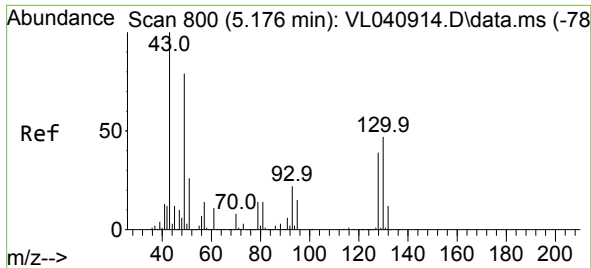
Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 12/22/2023
Supervised By : Mahesh Dadoda 12/26/2023

12/22/2023
Supervised By : Mahesh
Dadoda

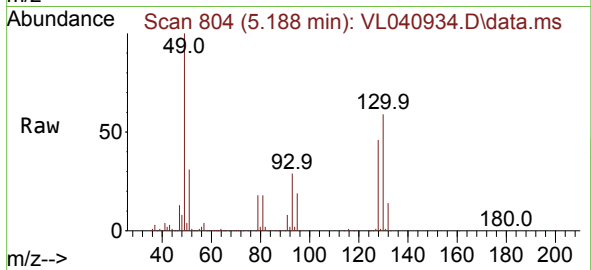
12/26/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.188 min Scan# 80
Delta R.T. 0.012 min
Lab File: VL040934.D
Acq: 21 Dec 2023 17:50

Instrument :
MSVOA_L
ClientSampleId :
10323DL



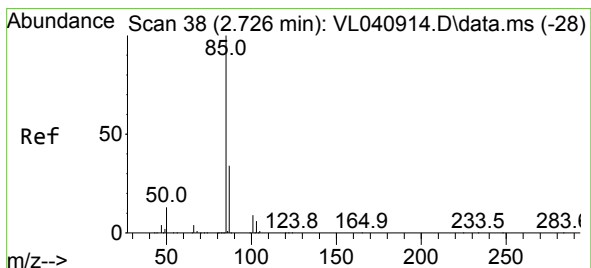
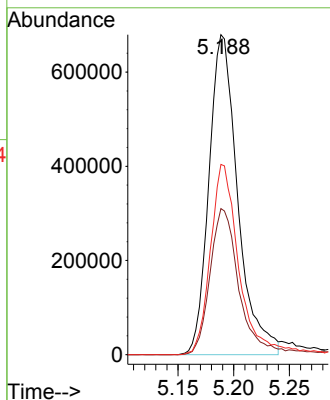
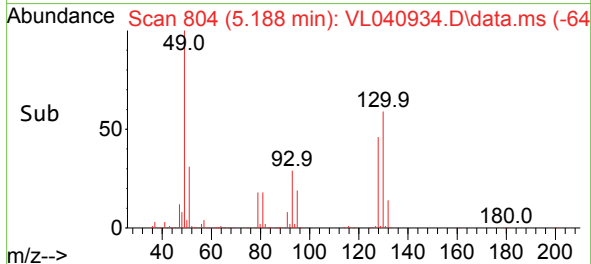
Tgt Ion: 49 Resp: 122194
Ion Ratio Lower Upper
49 100
128 48.0 23.8 71.2
130 60.8 30.1 90.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023

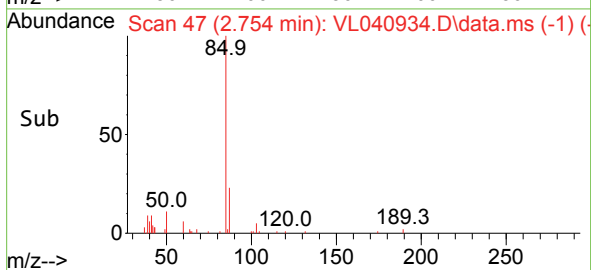
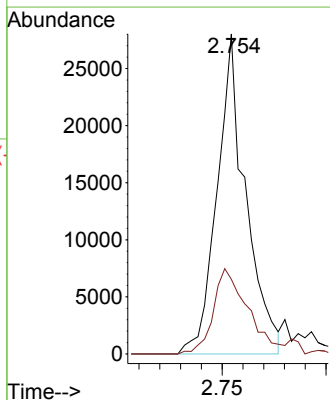
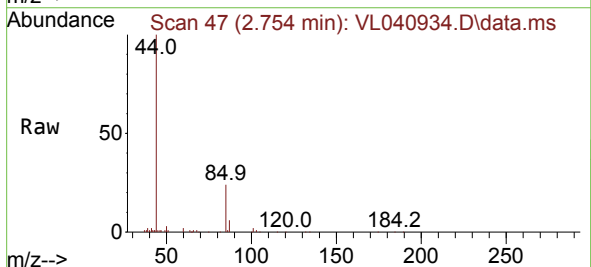
12/22/2023
Supervised By :Mahesh
Dadoda

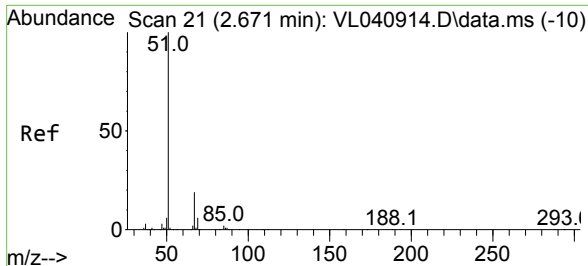
12/26/2023



#2
Dichlorodifluoromethane
Concen: 0.115 ppbv
RT: 2.754 min Scan# 47
Delta R.T. 0.029 min
Lab File: VL040934.D
Acq: 21 Dec 2023 17:50

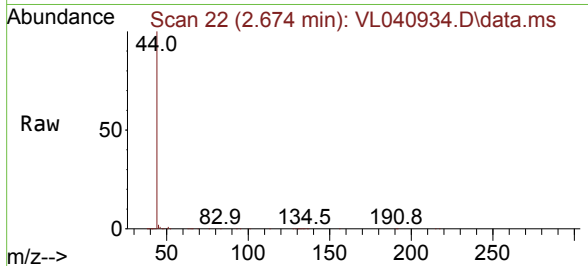
Tgt Ion: 85 Resp: 26829
Ion Ratio Lower Upper
85 100
87 23.4 27.0 40.6





#3
Chlorodifluoromethane
Concen: 0.244 ppbv
RT: 2.674 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040934.D
Acq: 21 Dec 2023 17:50

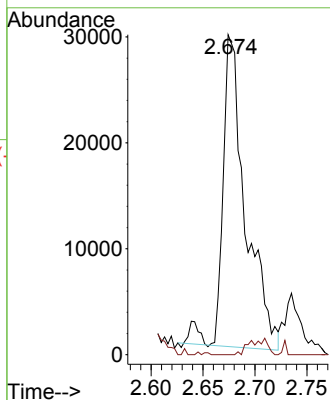
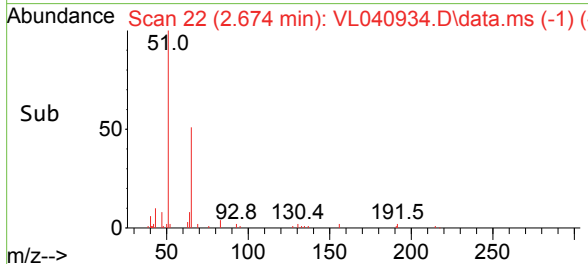
Instrument :
MSVOA_L
ClientSampleId :
10323DL



Tgt Ion: 51 Resp: 44902
Ion Ratio Lower Upper
51 100
67 0.3 14.7 22.13

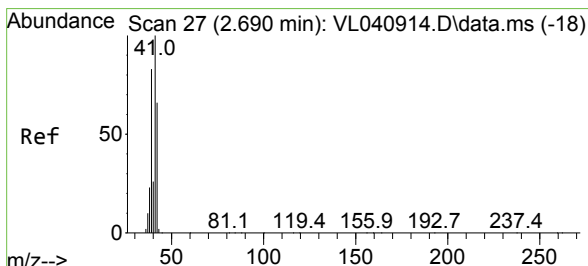
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023

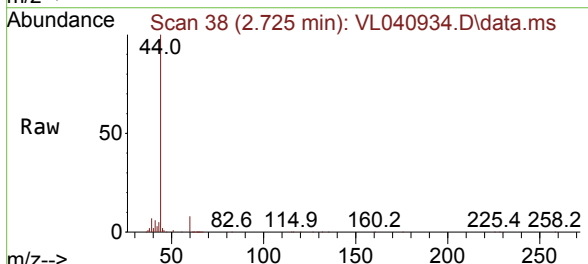


12/22/2023
Supervised By :Mahesh
Dadoda

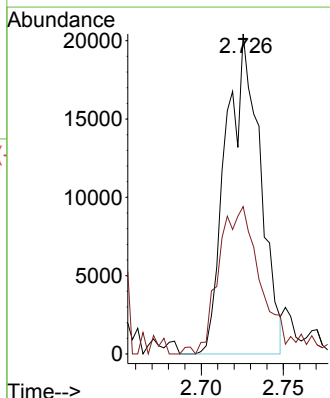
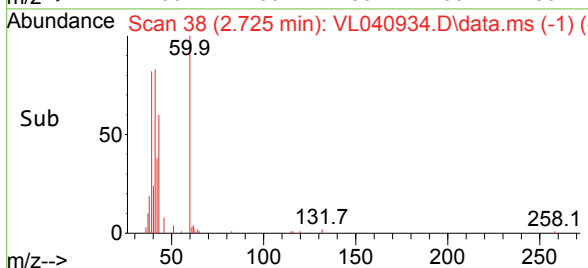
12/26/2023

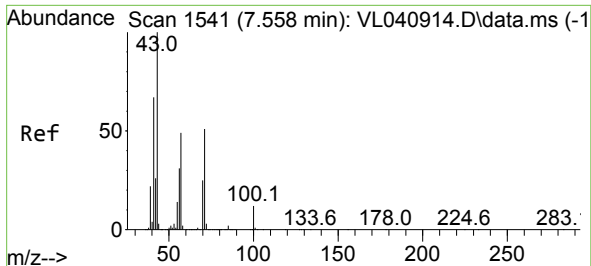


#9
Propene
Concen: 0.488 ppbv m
RT: 2.725 min Scan# 38
Delta R.T. 0.035 min
Lab File: VL040934.D
Acq: 21 Dec 2023 17:50



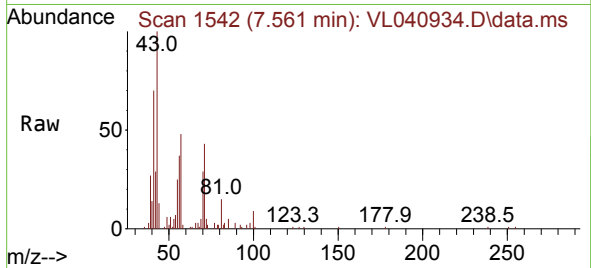
Tgt Ion: 41 Resp: 29597
Ion Ratio Lower Upper
41 100
42 118.9 55.8 83.6#





#10
Heptane
Concen: 0.237 ppbv m
RT: 7.561 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL040934.D
Acq: 21 Dec 2023 17:50

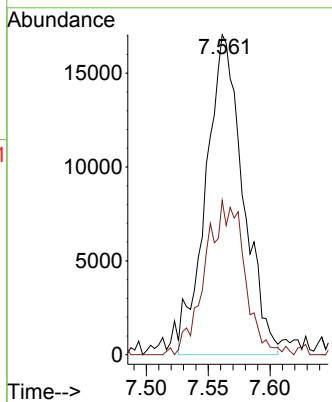
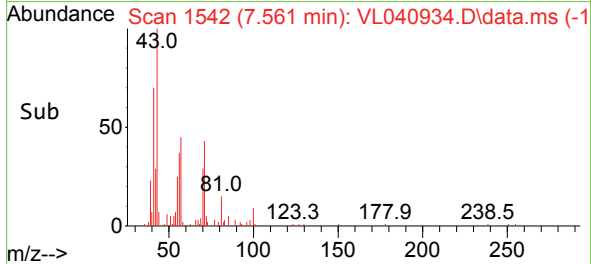
Instrument :
MSVOA_L
ClientSampleId :
10323DL



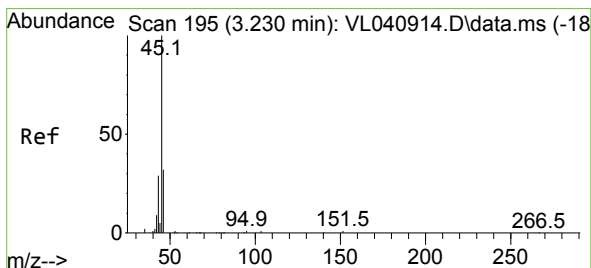
Tgt Ion: 43 Resp: 3567
Ion Ratio Lower Upper
43 100
57 0.0 39.3 58.9

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023

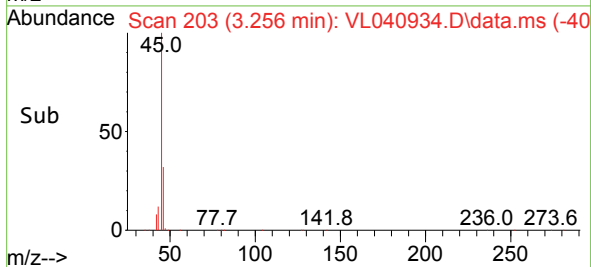
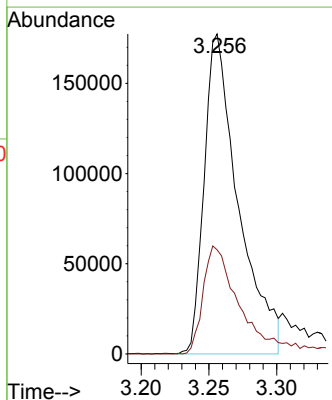
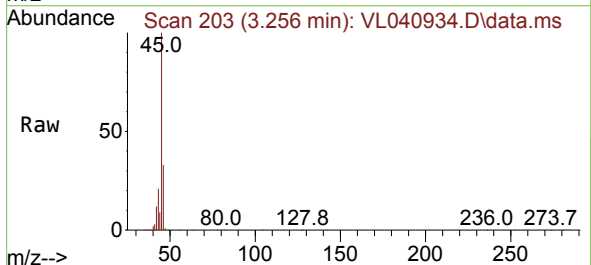


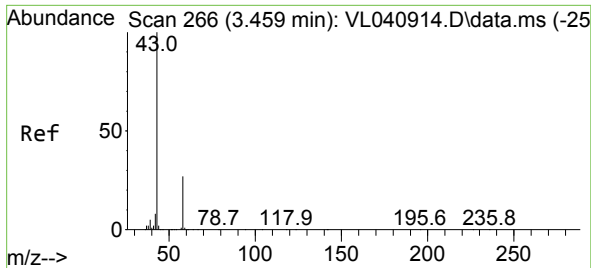
12/22/2023
Supervised By :Mahesh
Dadoda
12/26/2023



#13
Ethanol
Concen: 20.292 ppbv
RT: 3.256 min Scan# 203
Delta R.T. 0.026 min
Lab File: VL040934.D
Acq: 21 Dec 2023 17:50

Tgt Ion: 45 Resp: 310602
Ion Ratio Lower Upper
45 100
46 39.2 15.0 60.0





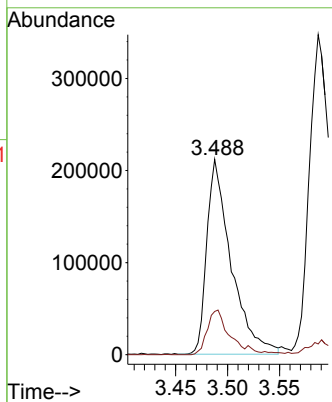
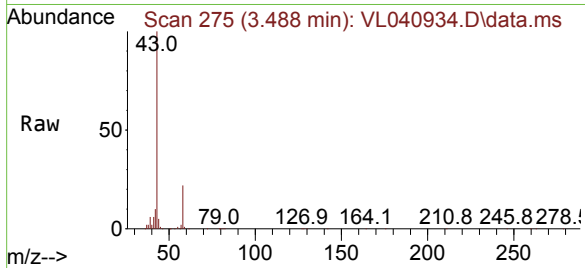
#15
Acetone
Concen: 2.357 ppbv
RT: 3.488 min Scan# 21
Delta R.T. 0.029 min
Lab File: VL040934.D
Acq: 21 Dec 2023 17:50

Instrument :
MSVOA_L
ClientSampleId :
10323DL

Tgt Ion: 43 Resp: 345400
Ion Ratio Lower Upper
43 100
58 22.0 20.6 30.8

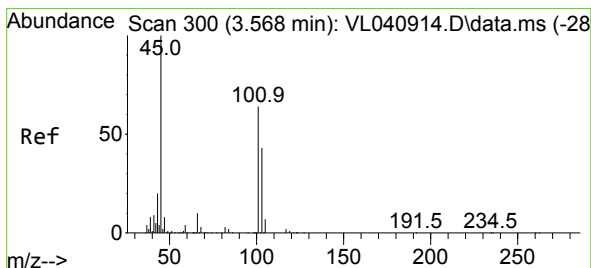
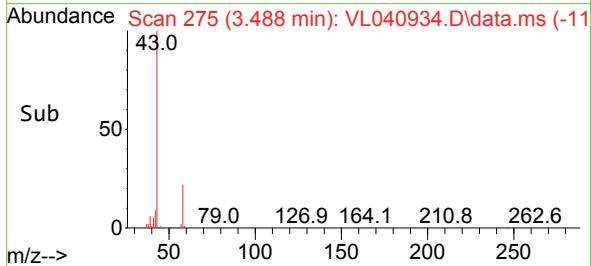
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023



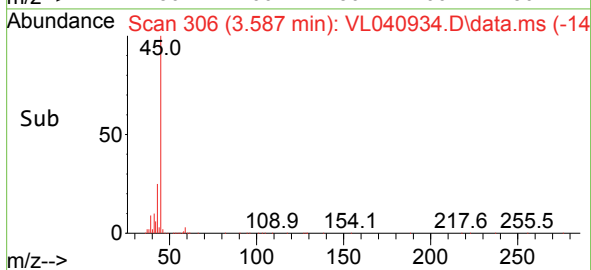
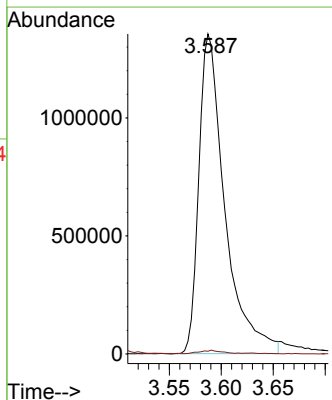
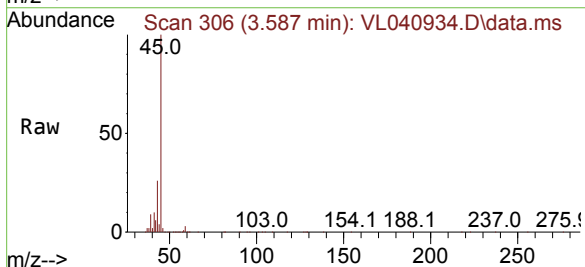
12/22/2023
Supervised By :Mahesh
Dadoda

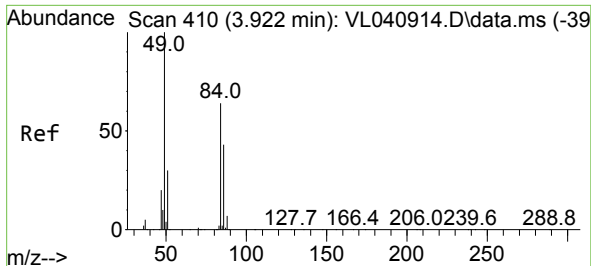
12/26/2023



#19
Isopropyl Alcohol
Concen: 30.792 ppbv
RT: 3.587 min Scan# 306
Delta R.T. 0.019 min
Lab File: VL040934.D
Acq: 21 Dec 2023 17:50

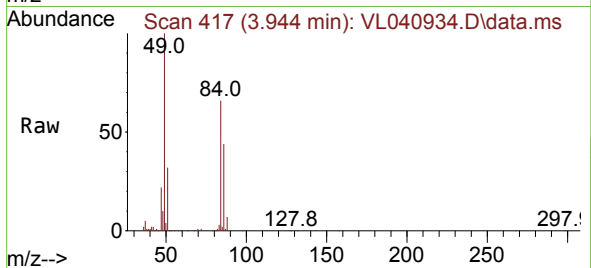
Tgt Ion: 45 Resp: 2354693
Ion Ratio Lower Upper
45 100
58 1.4 1.5 2.3#





#20
Methylene Chloride
Concen: 5.782 ppbv
RT: 3.944 min Scan# 410
Delta R.T. 0.022 min
Lab File: VL040934.D
Acq: 21 Dec 2023 17:50

Instrument :
MSVOA_L
ClientSampleId :
10323DL



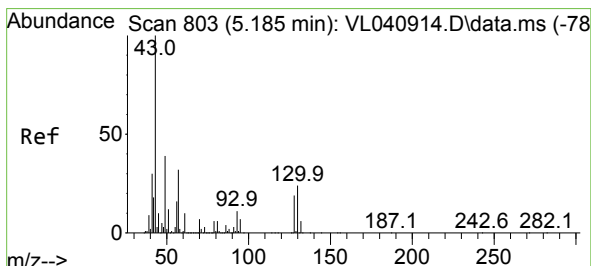
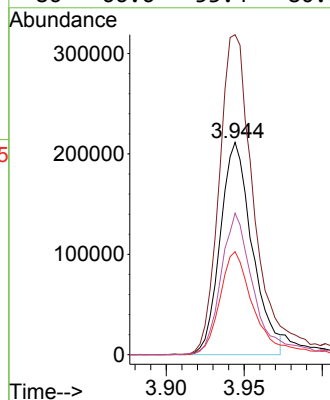
Tgt Ion: 84 Resp: 302020
Ion Ratio Lower Upper
84 100
49 150.6 124.6 187.0
51 48.4 37.2 55.8
86 66.6 53.4 80.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023

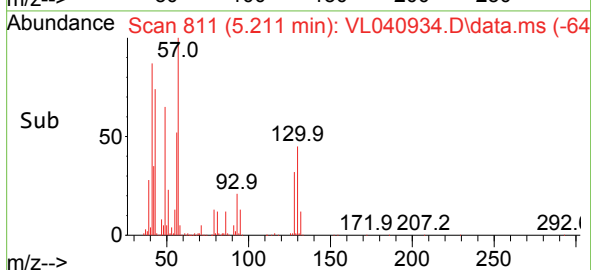
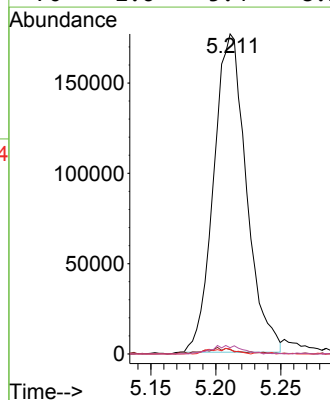
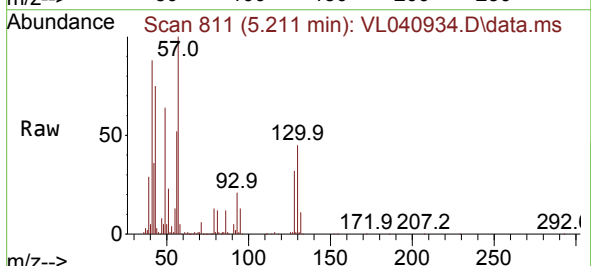
12/22/2023
Supervised By :Mahesh
Dadoda

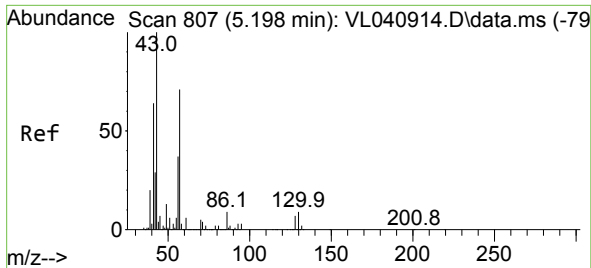
12/26/2023



#25
Ethyl Acetate
Concen: 1.212 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.026 min
Lab File: VL040934.D
Acq: 21 Dec 2023 17:50

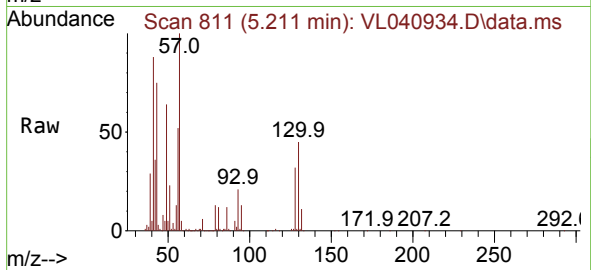
Tgt Ion: 43 Resp: 307731
Ion Ratio Lower Upper
43 100
45 2.2 8.2 12.2#
61 1.7 7.6 11.4#
70 2.6 5.4 8.2#





#26
Hexane
Concen: 3.546 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.013 min
Lab File: VL040934.D
Acq: 21 Dec 2023 17:50

Instrument :
MSVOA_L
ClientSampleId :
10323DL



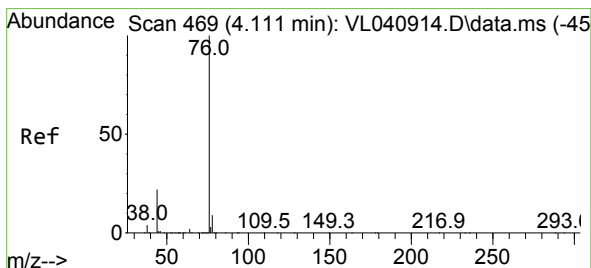
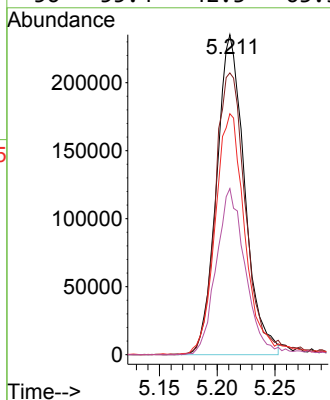
Tgt Ion: 57 Resp: 399045
Ion Ratio Lower Upper
57 100
41 97.3 75.2 112.8
43 82.1 188.0 282.0
56 55.4 42.3 63.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023

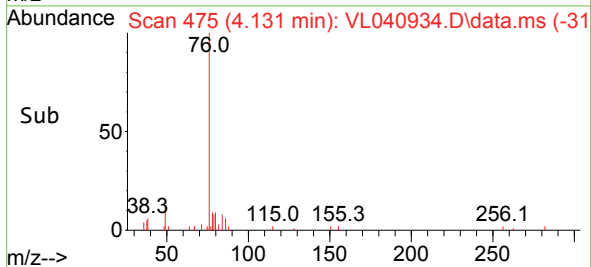
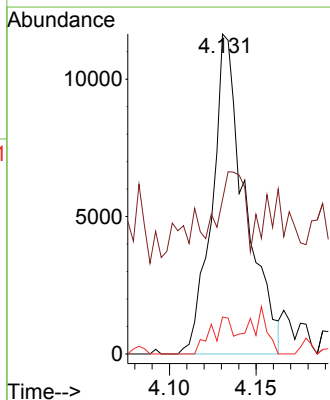
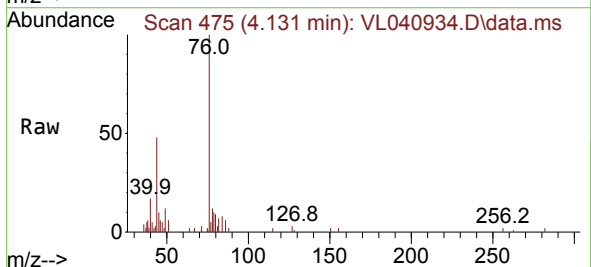
12/22/2023
Supervised By :Mahesh
Dadoda

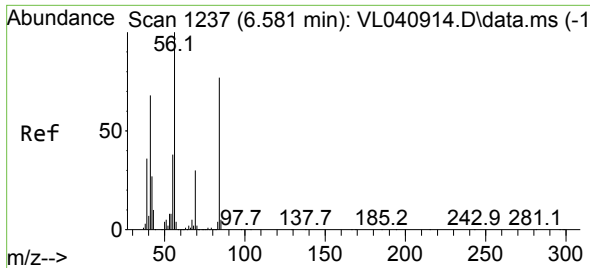
12/26/2023



#27
Carbon Disulfide
Concen: 0.102 ppbv
RT: 4.131 min Scan# 475
Delta R.T. 0.019 min
Lab File: VL040934.D
Acq: 21 Dec 2023 17:50

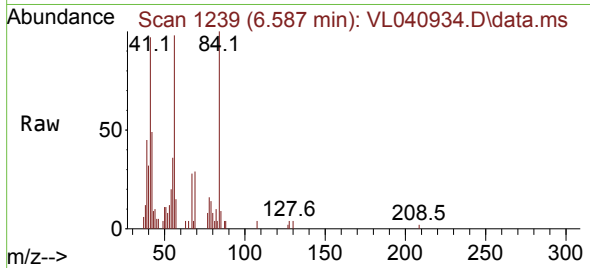
Tgt Ion: 76 Resp: 15474
Ion Ratio Lower Upper
76 100
44 33.8 18.4 27.6#
78 0.0 7.9 11.9#





#30
Cyclohexane
Concen: 0.167 ppbv m
RT: 6.587 min Scan# 1237
Delta R.T. 0.006 min
Lab File: VL040934.D
Acq: 21 Dec 2023 17:50

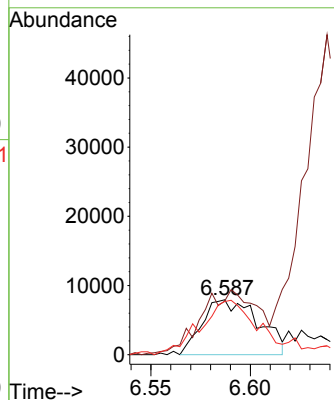
Instrument :
MSVOA_L
ClientSampleId :
10323DL



Tgt Ion: 84 Resp: 1567
Ion Ratio Lower Upper
84 100
56 0.0 111.4 167.2
41 114.5 70.0 105.0

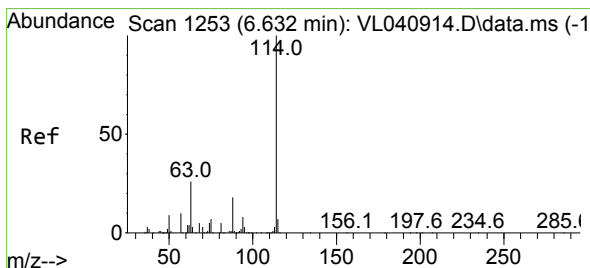
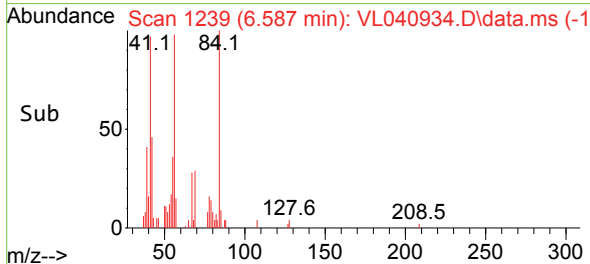
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023



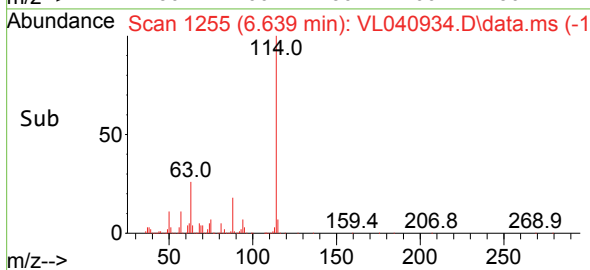
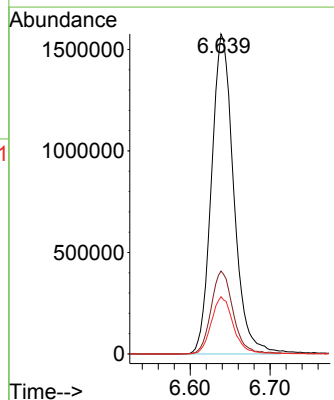
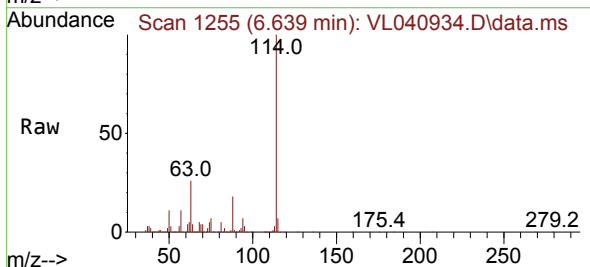
12/22/2023
Supervised By :Mahesh
Dadoda

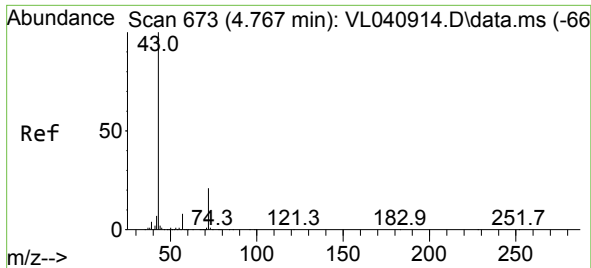
12/26/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. 0.006 min
Lab File: VL040934.D
Acq: 21 Dec 2023 17:50

Tgt Ion:114 Resp: 3039457
Ion Ratio Lower Upper
114 100
63 26.0 21.0 31.6
88 17.8 14.3 21.5





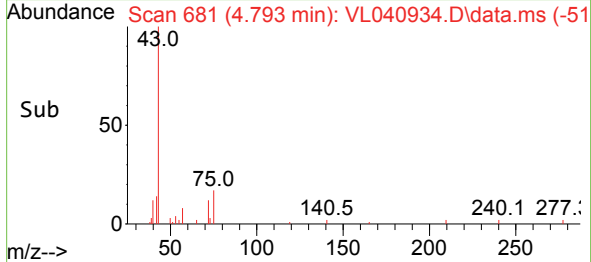
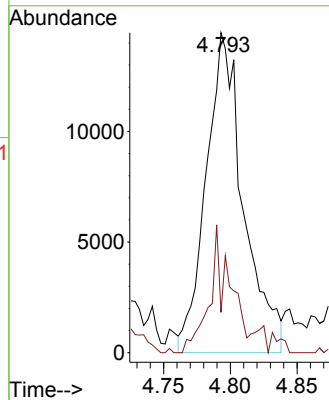
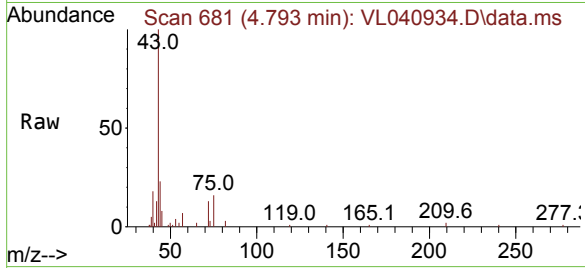
#34
2-Butanone
Concen: 0.175 ppbv m
RT: 4.793 min Scan# 61
Delta R.T. 0.026 min
Lab File: VL040934.D
Acq: 21 Dec 2023 17:50

Instrument :
MSVOA_L
ClientSampleId :
10323DL

Tgt Ion: 43 Resp: 2812
Ion Ratio Lower Upper
43 100
72 26.4 17.2 25.8

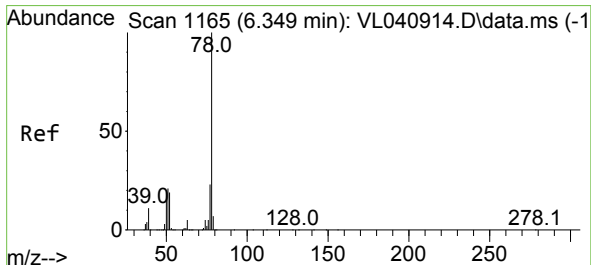
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023



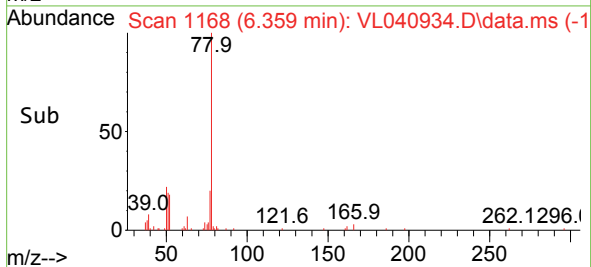
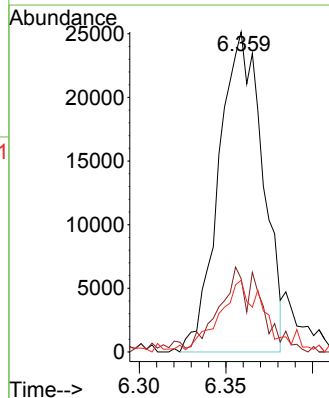
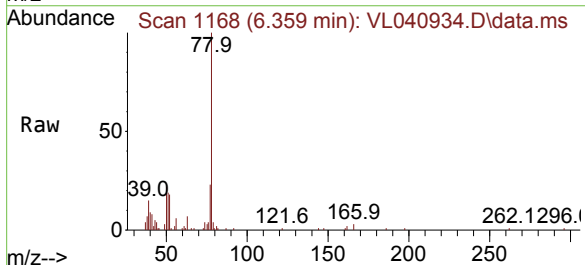
12/22/2023
Supervised By :Mahesh
Dadoda

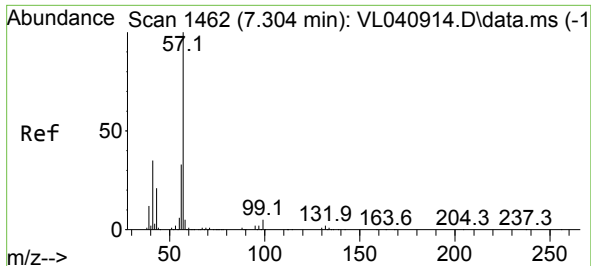
12/26/2023



#36
Benzene
Concen: 0.186 ppbv
RT: 6.359 min Scan# 1168
Delta R.T. 0.010 min
Lab File: VL040934.D
Acq: 21 Dec 2023 17:50

Tgt Ion: 78 Resp: 44117
Ion Ratio Lower Upper
78 100
77 19.8 18.4 27.6
50 20.3 16.0 24.0





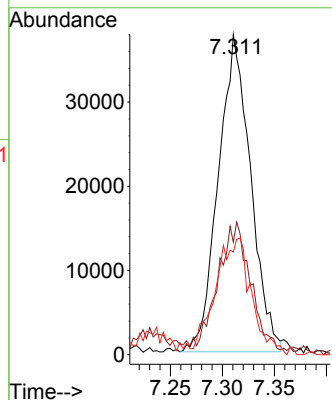
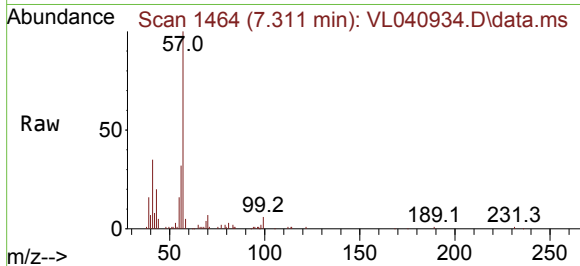
#44
2,2,4-Trimethylpentane
Concen: 0.202 ppbv
RT: 7.311 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VL040934.D
Acq: 21 Dec 2023 17:50

Instrument :
MSVOA_L
ClientSampleId :
10323DL

Tgt Ion: 57 Resp: 81360
Ion Ratio Lower Upper
57 100
41 43.1 28.2 42.4
56 42.5 25.3 37.9

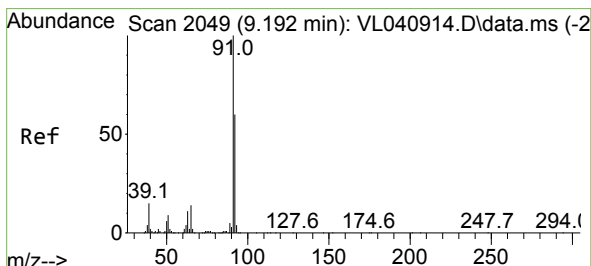
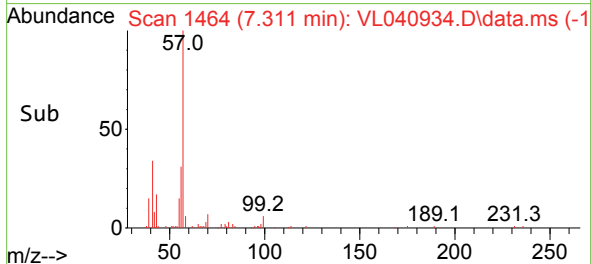
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023



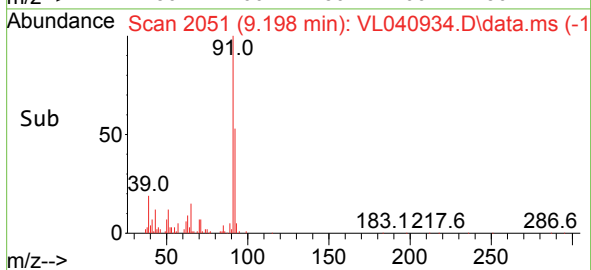
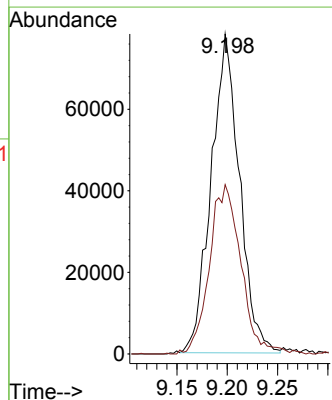
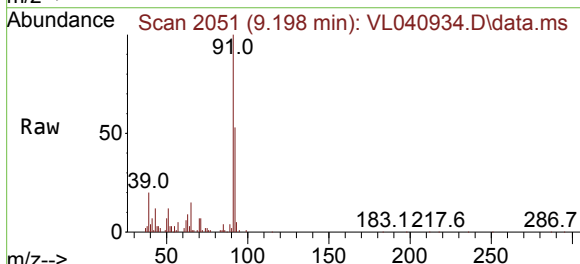
12/22/2023
Supervised By :Mahesh
Dadoda

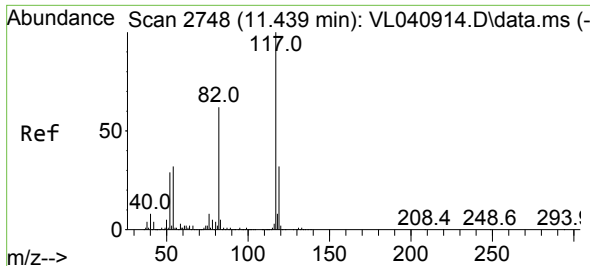
12/26/2023



#53
Toluene
Concen: 0.582 ppbv
RT: 9.198 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VL040934.D
Acq: 21 Dec 2023 17:50

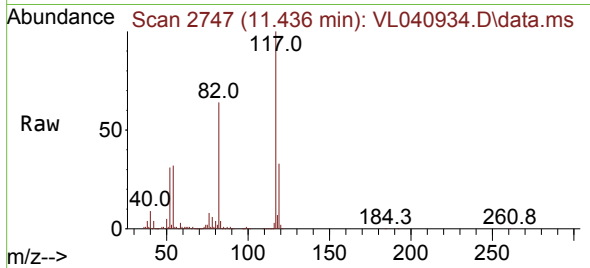
Tgt Ion: 91 Resp: 153210
Ion Ratio Lower Upper
91 100
92 59.1 49.2 73.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.436 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040934.D
Acq: 21 Dec 2023 17:50

Instrument :
MSVOA_L
ClientSampleId :
10323DL



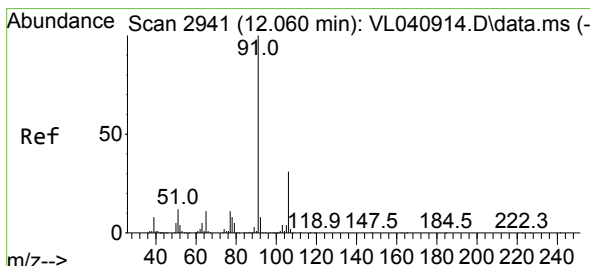
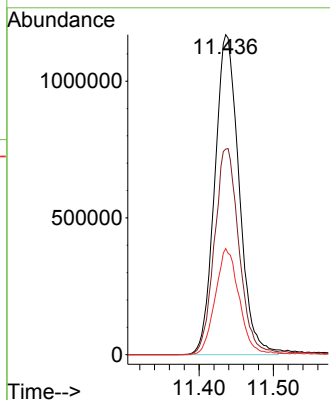
Tgt Ion:117 Resp: 266351
Ion Ratio Lower Upper
117 100
82 66.4 49.6 74.4
119 33.4 23.4 35.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023

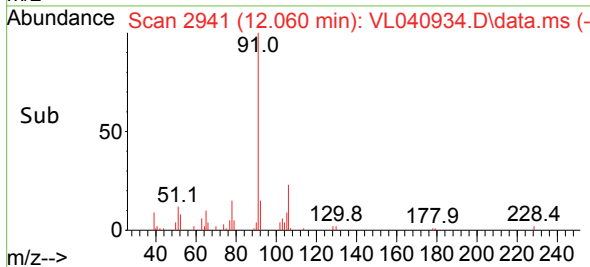
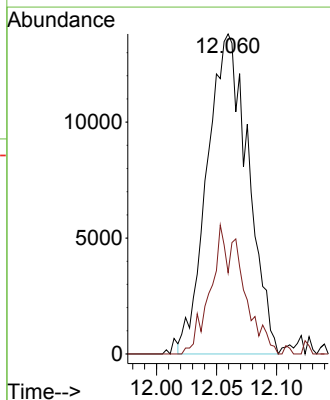
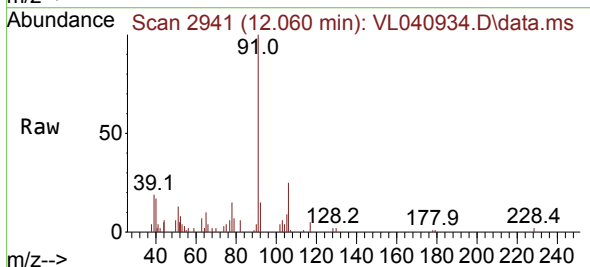
12/22/2023
Supervised By :Mahesh
Dadoda

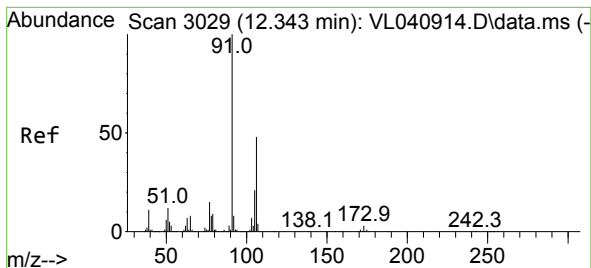
12/26/2023



#58
Ethyl Benzene
Concen: 0.096 ppbv
RT: 12.060 min Scan# 2941
Delta R.T. -0.000 min
Lab File: VL040934.D
Acq: 21 Dec 2023 17:50

Tgt Ion: 91 Resp: 32756
Ion Ratio Lower Upper
91 100
106 25.4 24.9 37.3





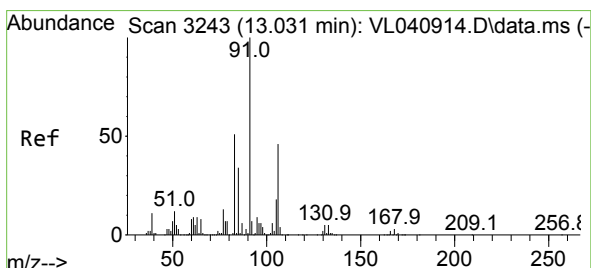
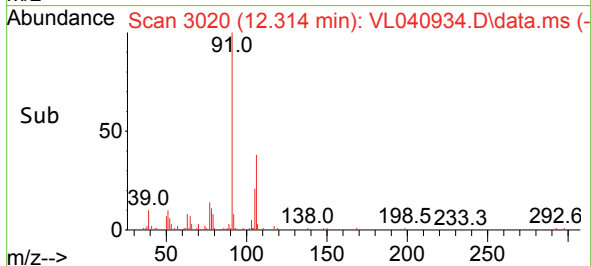
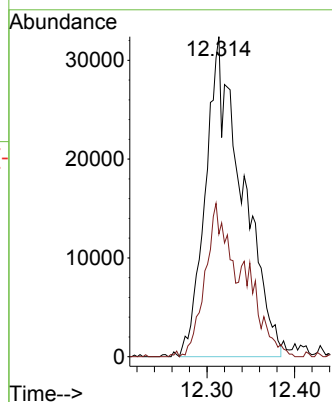
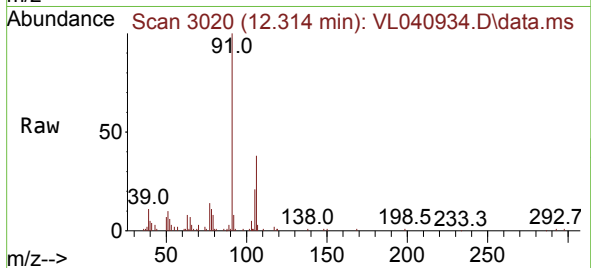
#59
m/p-Xylene
Concen: 0.326 ppbv m
RT: 12.314 min Scan# 3029
Delta R.T. -0.029 min
Lab File: VL040934.D
Acq: 21 Dec 2023 17:50

Instrument :
MSVOA_L
ClientSampleId :
10323DL

Tgt Ion: 91 Resp: 9477
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

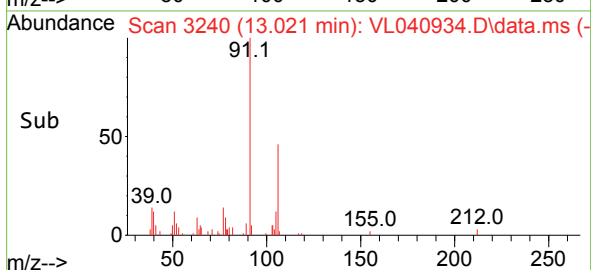
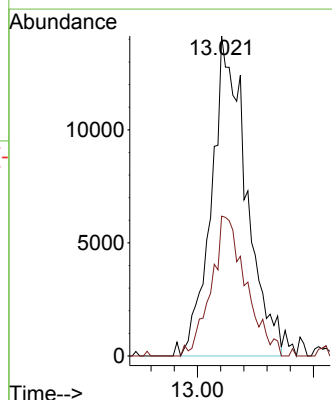
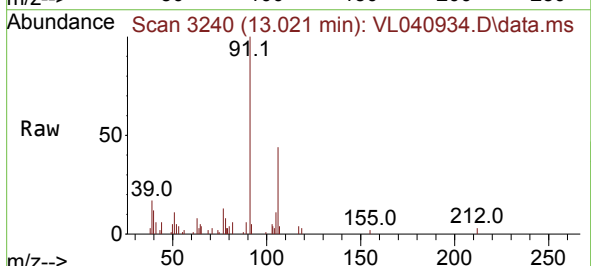
Manual Integrations
APPROVED

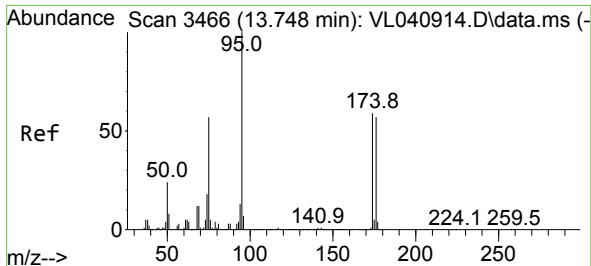
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023



#60
o-Xylene
Concen: 0.107 ppbv m
RT: 13.021 min Scan# 3240
Delta R.T. -0.010 min
Lab File: VL040934.D
Acq: 21 Dec 2023 17:50

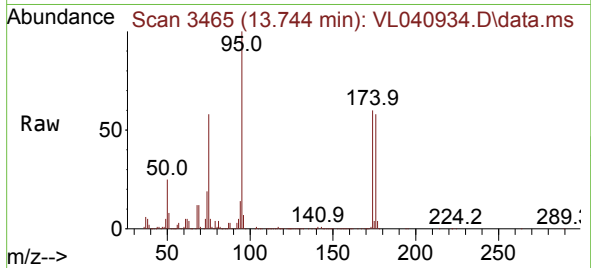
Tgt Ion: 91 Resp: 29431
Ion Ratio Lower Upper
91 100
106 44.1 22.6 67.7





#68
1-Bromo-4-Fluorobenzene
Concen: 10.163 ppbv
RT: 13.744 min Scan# 3466
Delta R.T. -0.003 min
Lab File: VL040934.D
Acq: 21 Dec 2023 17:50

Instrument :
MSVOA_L
ClientSampleId :
10323DL



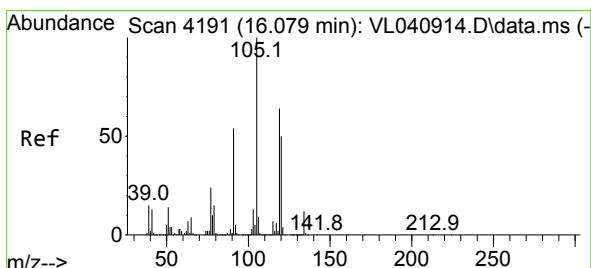
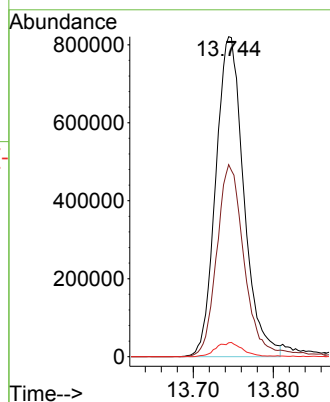
Tgt Ion: 95 Resp: 199383
Ion Ratio Lower Upper
95 100
174 60.2 48.0 72.0
175 4.4 3.7 5.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023

12/22/2023
Supervised By :Mahesh
Dadoda

12/26/2023



#74
1,2,4-Trimethylbenzene
Concen: 0.096 ppbv m
RT: 16.075 min Scan# 4190
Delta R.T. -0.003 min
Lab File: VL040934.D
Acq: 21 Dec 2023 17:50

Tgt Ion:105 Resp: 27811
Ion Ratio Lower Upper
105 100
120 41.2 40.2 60.4
91 14.4 43.0 64.6#
77 11.4 18.9 28.3#

