

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101722\
 Data File : VL039722.D
 Acq On : 17 Oct 2022 16:48
 Operator : SY/AP
 Sample : N5169-03DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/18/2022
 Supervised By :Mahesh Dadoda 10/19/2022

Quant Time: Oct 18 05:27:32 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Tue Oct 18 05:23:57 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.230	49	1017320	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.687	114	2621089	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.497	117	2213483	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.809	95	1672812	10.124	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.768	85	20158m	0.171	ppbv	
3) Chlorodifluoromethane	2.716	51	44678m	0.370	ppbv	
4) Chloromethane	2.858	50	34464m	0.473	ppbv	
9) Propene	2.742	41	140221m	2.543	ppbv	
10) Heptane	7.619	43	81458m	0.633	ppbv	
11) Trichlorofluoromethane	3.603	101	29795	0.204	ppbv #	80
13) Ethanol	3.276	45	230000m	54.747	ppbv	
15) Acetone	3.507	43	674438m	5.958	ppbv	
19) Isopropyl Alcohol	3.623	45	210006	3.639	ppbv #	1
20) Methylene Chloride	3.976	84	140093	2.677	ppbv	98
26) Hexane	5.250	57	221316	2.113	ppbv #	54
29) Chloroform	5.314	83	24544m	0.162	ppbv	
30) Cyclohexane	6.642	84	15137m	0.187	ppbv	
34) 2-Butanone	4.835	43	70664m	0.549	ppbv	
35) Carbon Tetrachloride	6.536	117	8445m	0.061	ppbv	
36) Benzene	6.404	78	150465	0.751	ppbv	97
44) 2,2,4-Trimethylpentane	7.365	57	113967m	0.330	ppbv	
52) Tetrachloroethene	10.648	164	2054074	26.868	ppbv	96
53) Toluene	9.256	91	840887	3.773	ppbv	100
58) Ethyl Benzene	12.121	91	288571	1.131	ppbv	98
59) m/p-Xylene	12.375	91	1063700	4.683	ppbv	96
60) o-Xylene	13.092	91	272523	1.256	ppbv	98
72) 4-Ethyltoluene	15.220	105	33704m	0.136	ppbv	
73) 1,3,5-Trimethylbenzene	15.384	105	25379m	0.112	ppbv	
74) 1,2,4-Trimethylbenzene	16.134	105	92285m	0.363	ppbv	

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

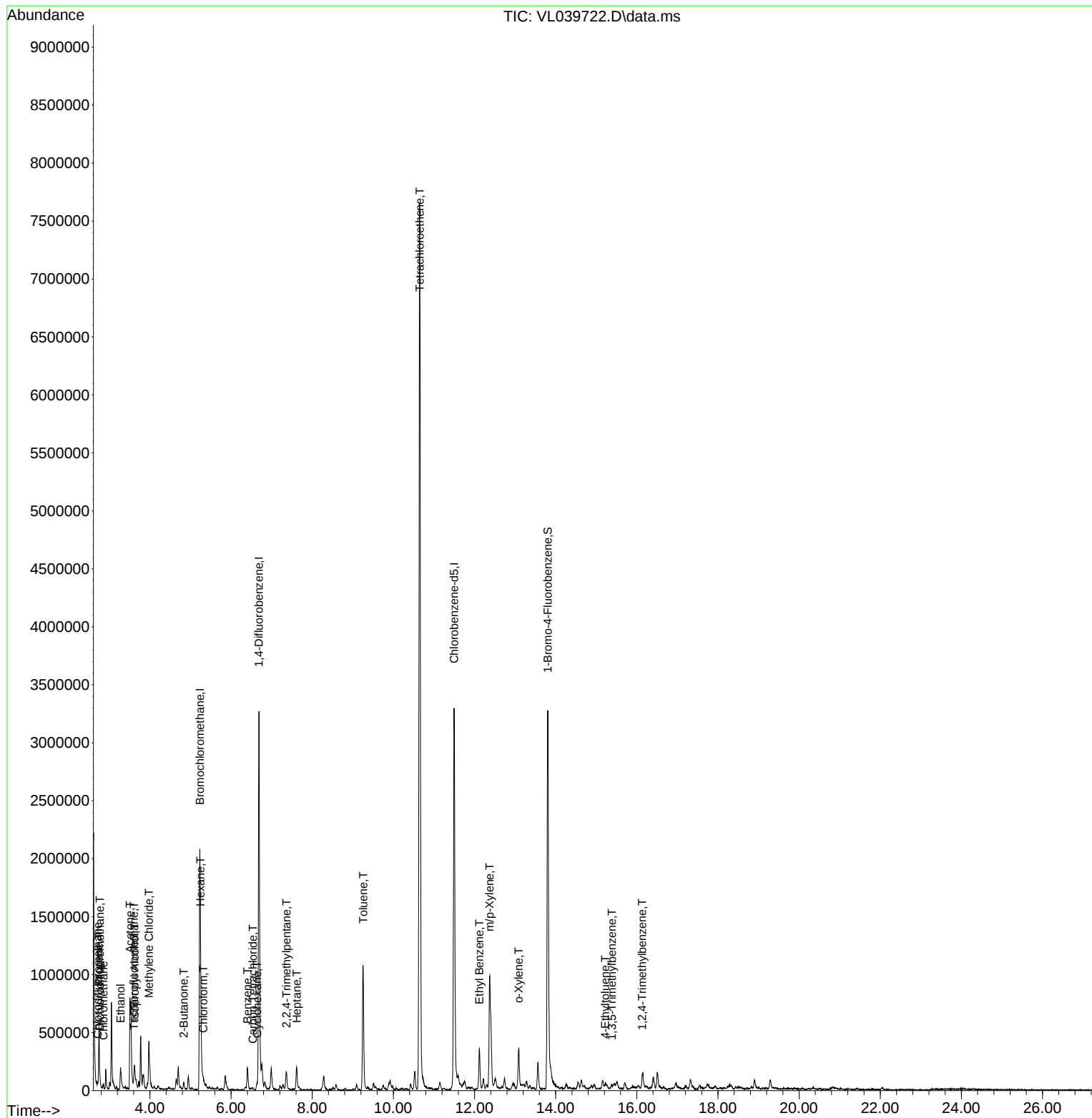
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101722\
Data File : VL039722.D
Acq On : 17 Oct 2022 16:48
Operator : SY/AP
Sample : N5169-03DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

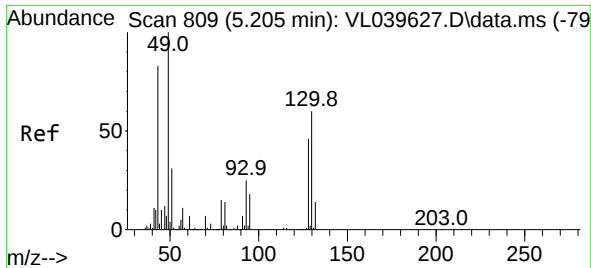
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Quant Time: Oct 18 05:27:32 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Oct 18 05:23:57 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

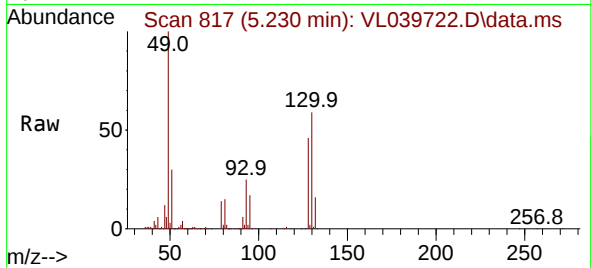
Reviewed By : Semsettin Yesilyurt 10/18/2022
Supervised By : Mahesh Dadoda 10/19/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.230 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL039722.D
Acq: 17 Oct 2022 16:48

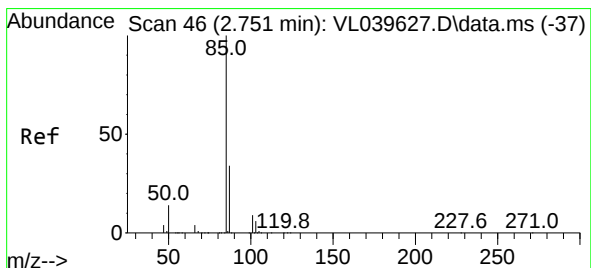
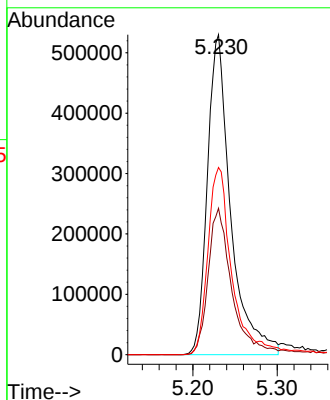
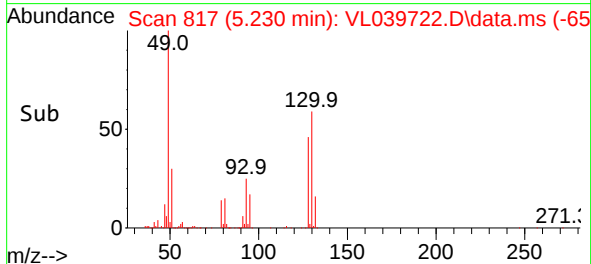
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 49 Resp: 1017320
Ion Ratio Lower Upper
49 100
128 48.6 26.7 80.0
130 63.2 34.3 102.8

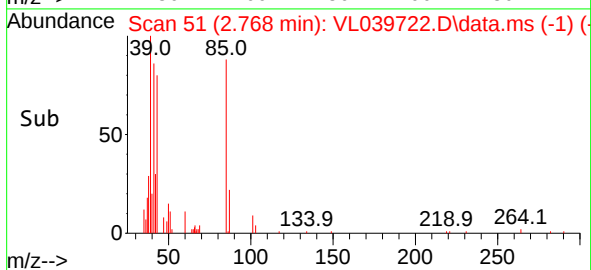
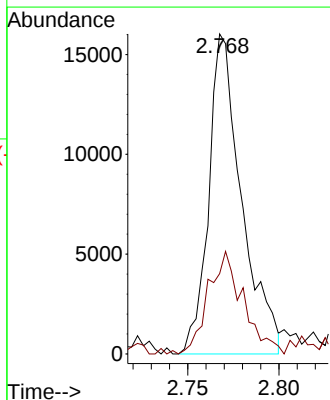
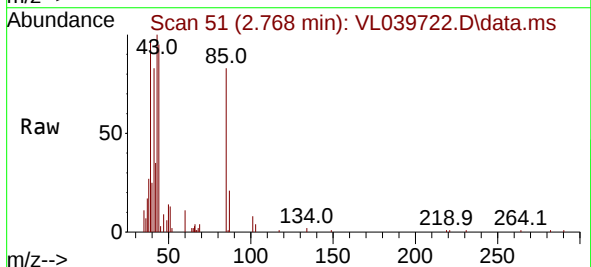
Manual Integrations
APPROVED

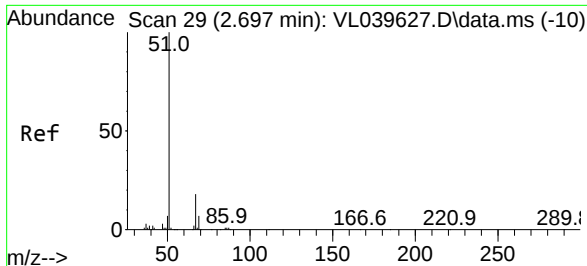
Reviewed By :Semsettin Yesilyurt 10/18/2022
Supervised By :Mahesh Dadoda 10/19/2022



#2
Dichlorodifluoromethane
Concen: 0.171 ppbv m
RT: 2.768 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL039722.D
Acq: 17 Oct 2022 16:48

Tgt Ion: 85 Resp: 20158
Ion Ratio Lower Upper
85 100
87 25.1 26.7 40.1#





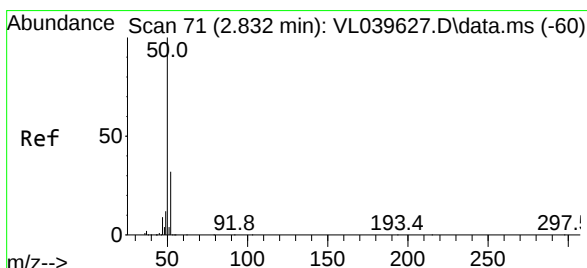
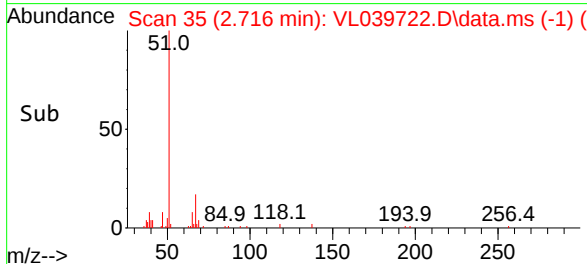
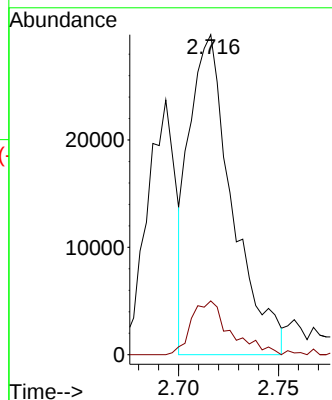
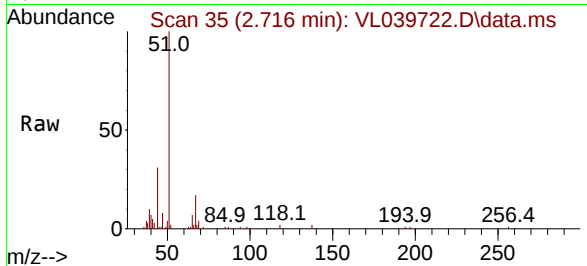
#3
Chlorodifluoromethane
Concen: 0.370 ppbv m
RT: 2.716 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL039722.D
Acq: 17 Oct 2022 16:48

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 51 Resp: 44678
Ion Ratio Lower Upper
51 100
67 15.9 15.7 23.5

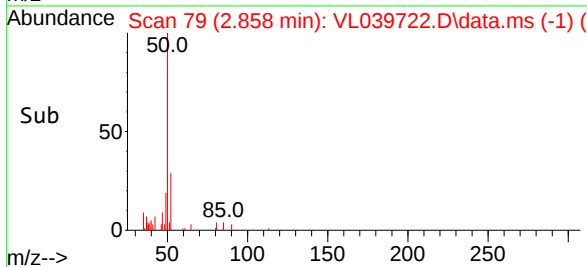
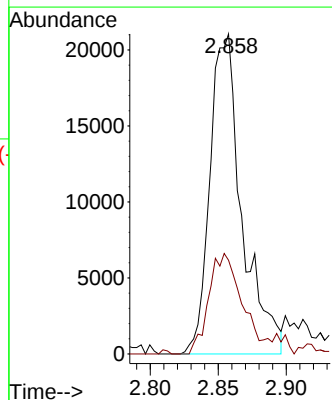
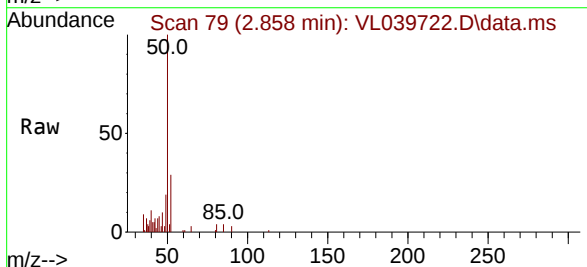
Manual Integrations
APPROVED

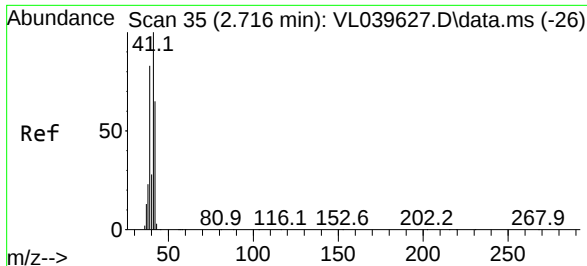
Reviewed By :Semsettin Yesilyurt 10/18/2022
Supervised By :Mahesh Dadoda 10/19/2022



#4
Chloromethane
Concen: 0.473 ppbv m
RT: 2.858 min Scan# 79
Delta R.T. 0.006 min
Lab File: VL039722.D
Acq: 17 Oct 2022 16:48

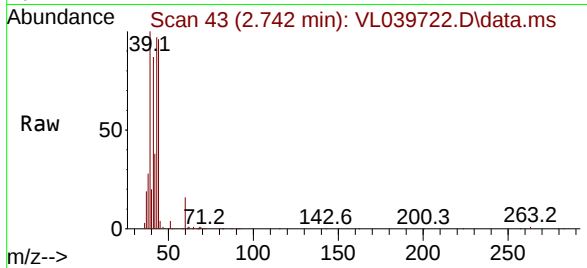
Tgt Ion: 50 Resp: 34464
Ion Ratio Lower Upper
50 100
52 29.3 26.5 39.7





#9
 Propene
 Concen: 2.543 ppbv m
 RT: 2.742 min Scan# 41
 Delta R.T. 0.010 min
 Lab File: VL039722.D
 Acq: 17 Oct 2022 16:48

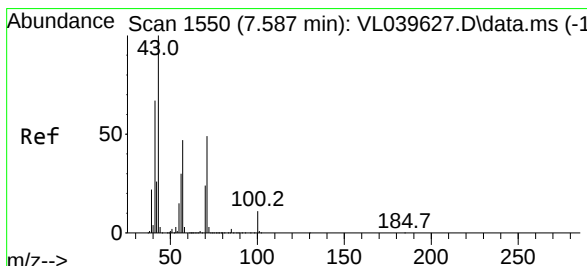
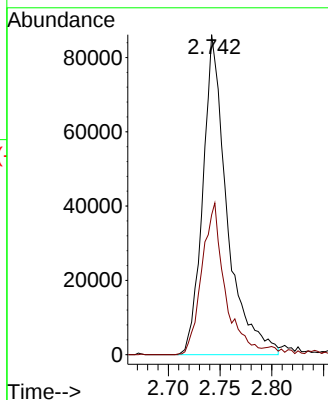
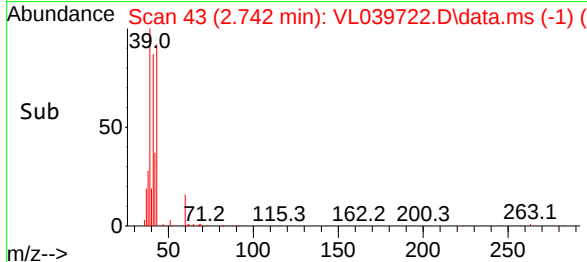
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP



Tgt Ion: 41 Resp: 14022
 Ion Ratio Lower Upper
 41 100
 42 23.6 55.2 82.8

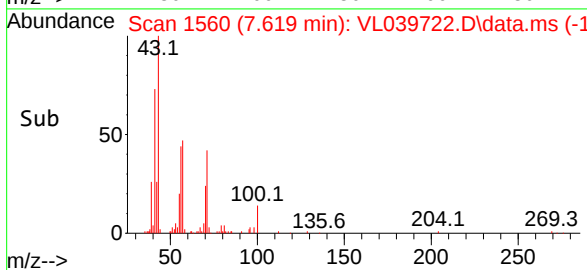
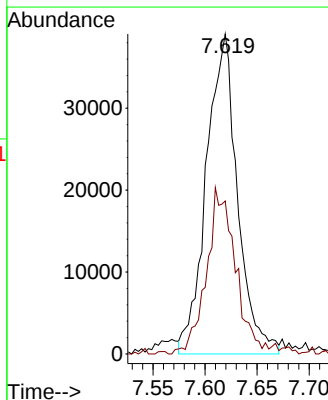
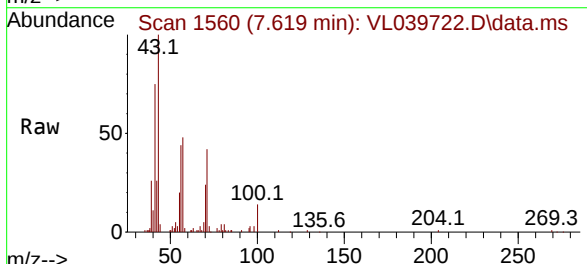
Manual Integrations
 APPROVED

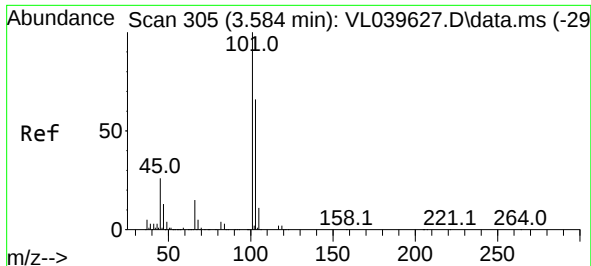
Reviewed By :Semsettin Yesilyurt 10/18/2022
 Supervised By :Mahesh Dadoda 10/19/2022



#10
 Heptane
 Concen: 0.633 ppbv m
 RT: 7.619 min Scan# 1560
 Delta R.T. 0.010 min
 Lab File: VL039722.D
 Acq: 17 Oct 2022 16:48

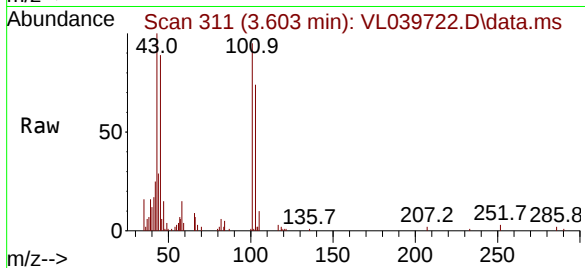
Tgt Ion: 43 Resp: 81458
 Ion Ratio Lower Upper
 43 100
 57 49.8 40.5 60.7





#11
Trichlorofluoromethane
Concen: 0.204 ppbv
RT: 3.603 min Scan# 311
Delta R.T. 0.003 min
Lab File: VL039722.D
Acq: 17 Oct 2022 16:48

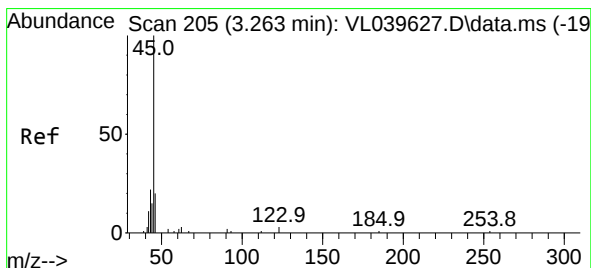
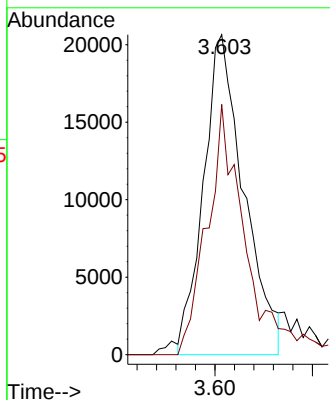
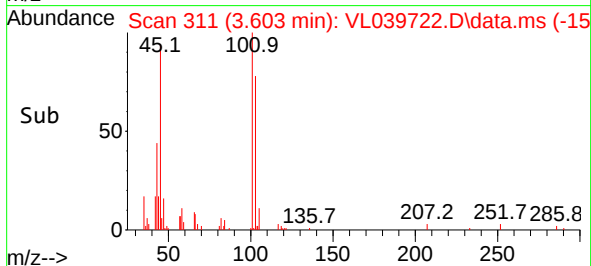
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



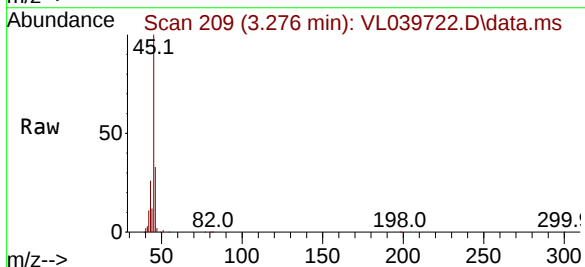
Tgt Ion:101 Resp: 2979
Ion Ratio Lower Upper
101 100
103 80.8 51.8 77.8

Manual Integrations
APPROVED

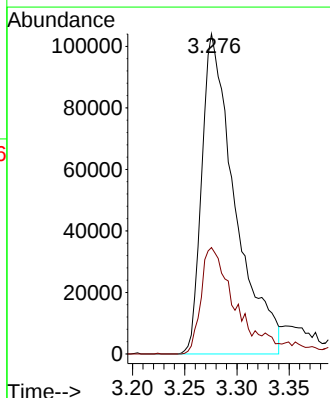
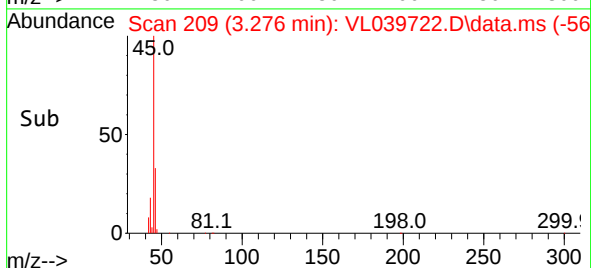
Reviewed By :Semsettin Yesilyurt 10/18/2022
Supervised By :Mahesh Dadoda 10/19/2022

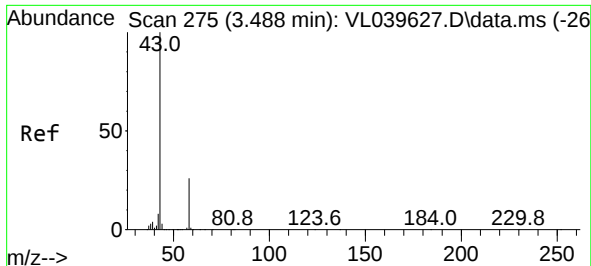


#13
Ethanol
Concen: 54.747 ppbv m
RT: 3.276 min Scan# 209
Delta R.T. -0.006 min
Lab File: VL039722.D
Acq: 17 Oct 2022 16:48



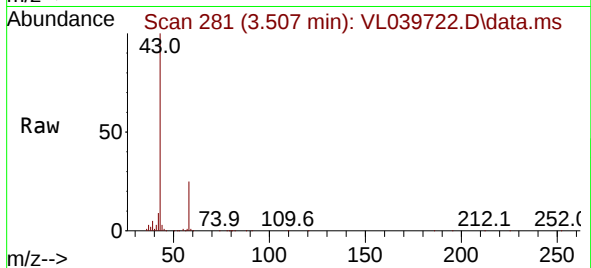
Tgt Ion: 45 Resp: 230000
Ion Ratio Lower Upper
45 100
46 38.3 22.8 91.2





#15
Acetone
Concen: 5.958 ppbv m
RT: 3.507 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL039722.D
Acq: 17 Oct 2022 16:48

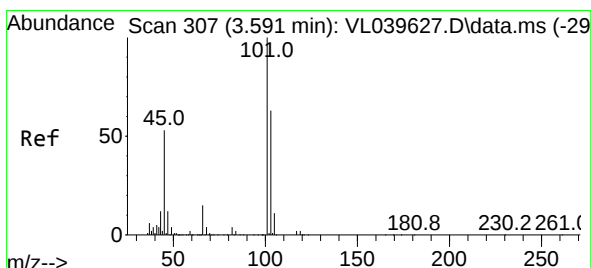
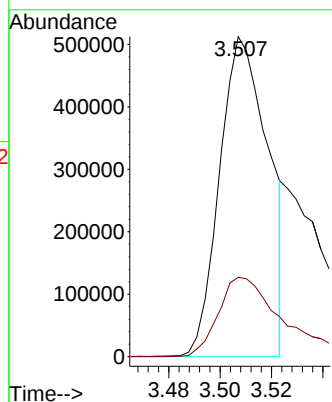
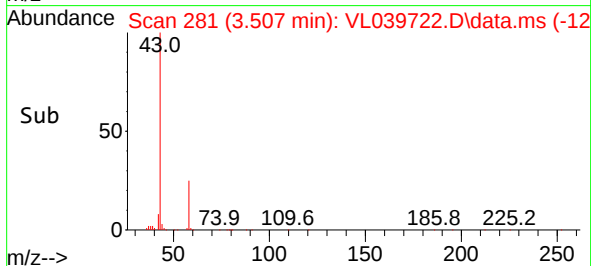
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



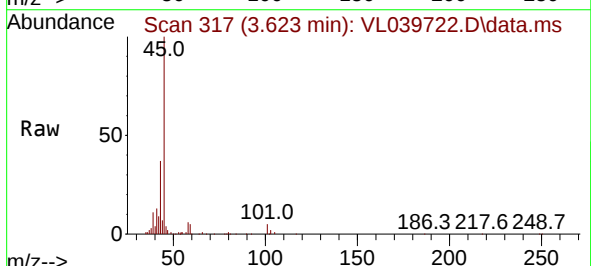
Tgt Ion: 43 Resp: 674438
Ion Ratio Lower Upper
43 100
58 36.0 21.0 31.6

Manual Integrations
APPROVED

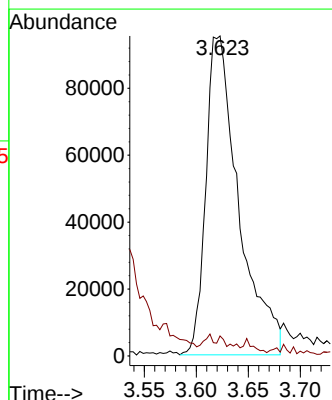
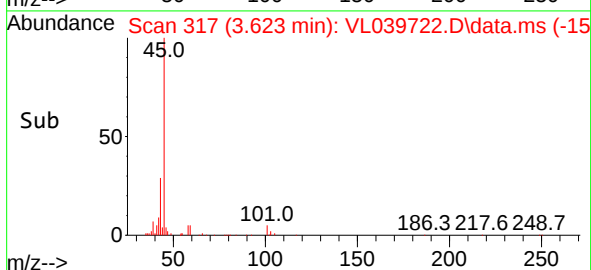
Reviewed By :Semsettin Yesilyurt 10/18/2022
Supervised By :Mahesh Dadoda 10/19/2022

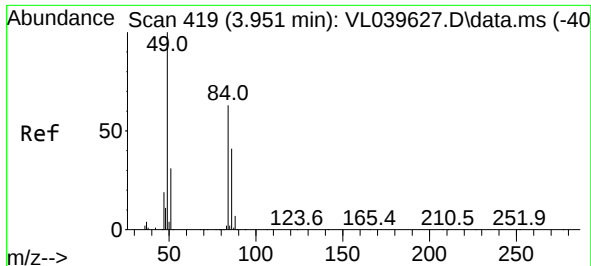


#19
Isopropyl Alcohol
Concen: 3.639 ppbv
RT: 3.623 min Scan# 317
Delta R.T. 0.010 min
Lab File: VL039722.D
Acq: 17 Oct 2022 16:48



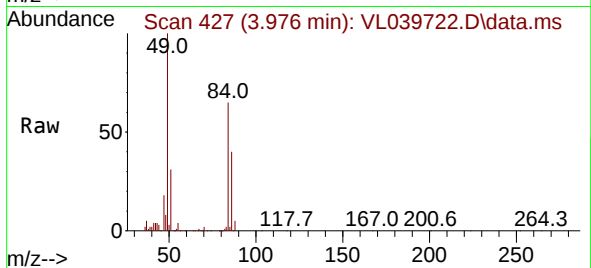
Tgt Ion: 45 Resp: 210006
Ion Ratio Lower Upper
45 100
58 115.7 3.2 4.8





#20
Methylene Chloride
Concen: 2.677 ppbv
RT: 3.976 min Scan# 419
Delta R.T. 0.006 min
Lab File: VL039722.D
Acq: 17 Oct 2022 16:48

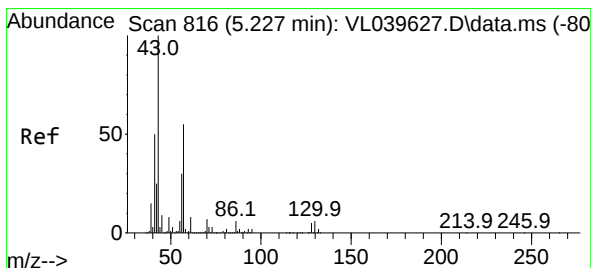
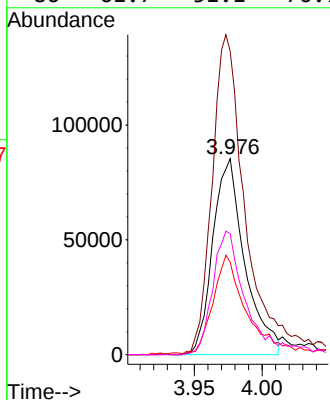
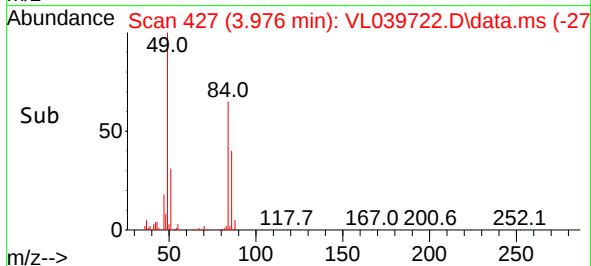
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 84 Resp: 140091
Ion Ratio Lower Upper
84 100
49 154.8 123.1 184.7
51 46.4 34.4 51.6
86 61.7 51.1 76.7

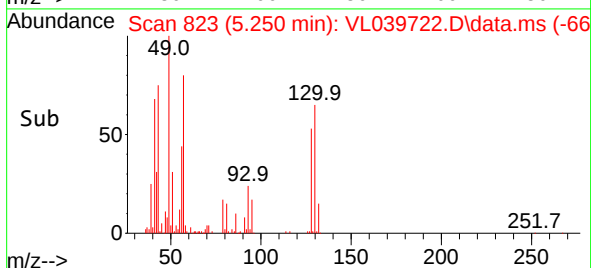
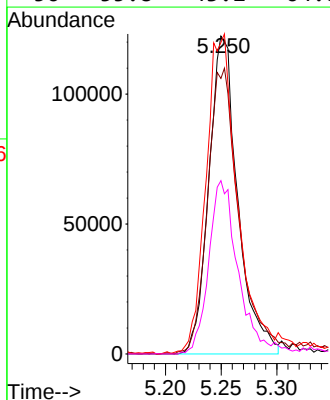
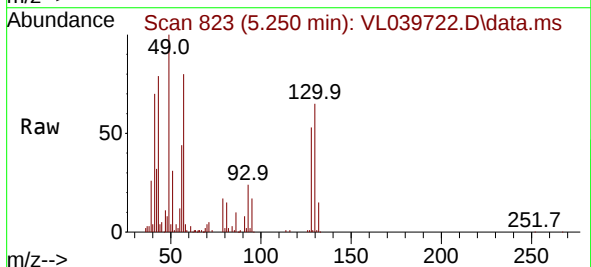
Manual Integrations
APPROVED

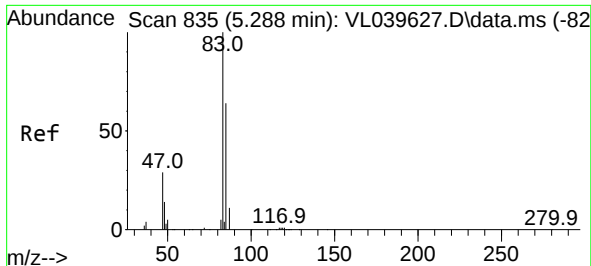
Reviewed By :Semsettin Yesilyurt 10/18/2022
Supervised By :Mahesh Dadoda 10/19/2022



#26
Hexane
Concen: 2.113 ppbv
RT: 5.250 min Scan# 823
Delta R.T. 0.003 min
Lab File: VL039722.D
Acq: 17 Oct 2022 16:48

Tgt Ion: 57 Resp: 221316
Ion Ratio Lower Upper
57 100
41 97.3 76.9 115.3
43 115.0 191.0 286.6#
56 55.8 43.2 64.8





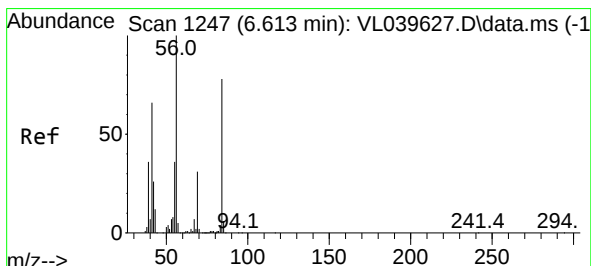
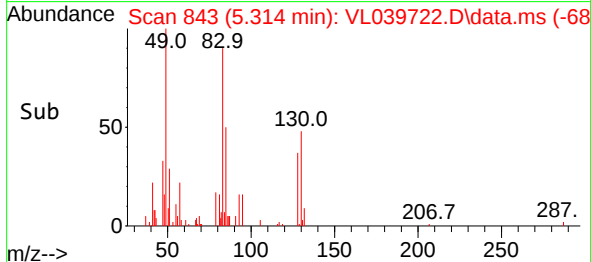
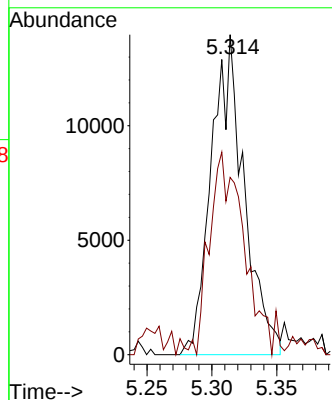
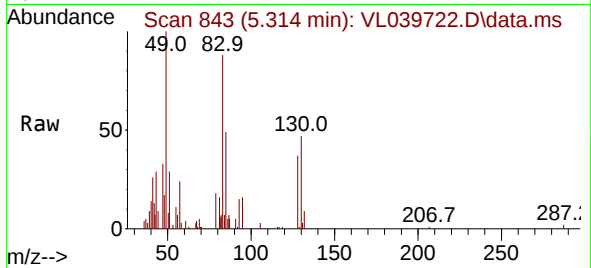
#29
Chloroform
Concen: 0.162 ppbv m
RT: 5.314 min Scan# 84
Delta R.T. 0.006 min
Lab File: VL039722.D
Acq: 17 Oct 2022 16:48

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 83 Resp: 24544
Ion Ratio Lower Upper
83 100
85 55.4 52.8 79.2

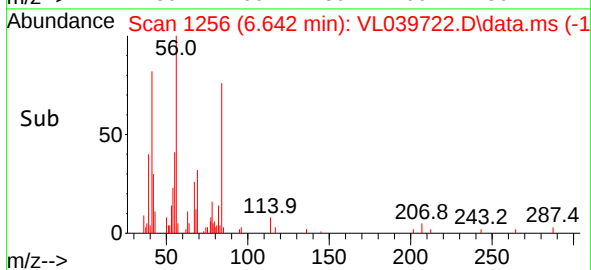
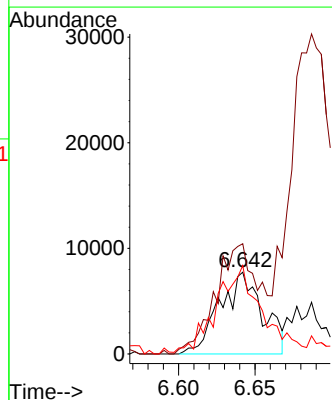
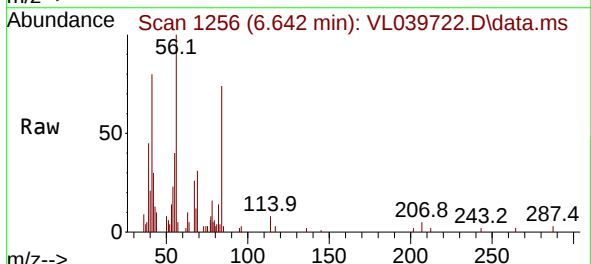
Manual Integrations
APPROVED

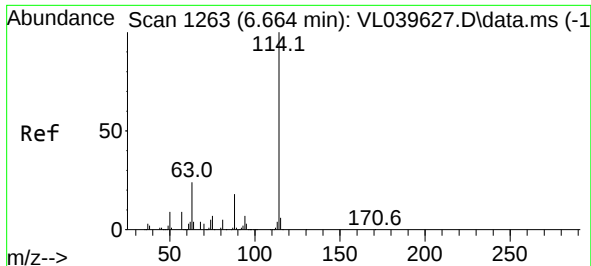
Reviewed By :Semsettin Yesilyurt 10/18/2022
Supervised By :Mahesh Dadoda 10/19/2022



#30
Cyclohexane
Concen: 0.187 ppbv m
RT: 6.642 min Scan# 1256
Delta R.T. 0.010 min
Lab File: VL039722.D
Acq: 17 Oct 2022 16:48

Tgt Ion: 84 Resp: 15137
Ion Ratio Lower Upper
84 100
56 140.0 107.7 161.5
41 122.1 67.7 101.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.687 min Scan# 1

Delta R.T. -0.000 min

Lab File: VL039722.D

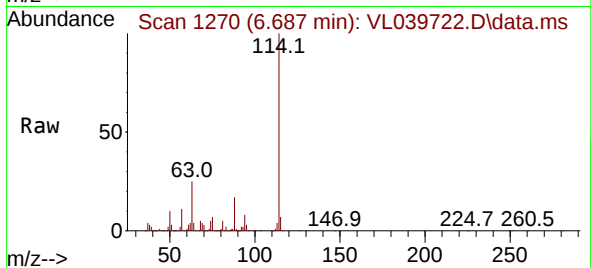
Acq: 17 Oct 2022 16:48

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP



Tgt Ion:114 Resp: 2621089

Ion Ratio Lower Upper

114 100

63 24.8 20.2 30.4

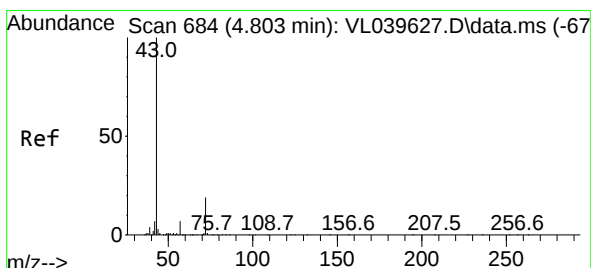
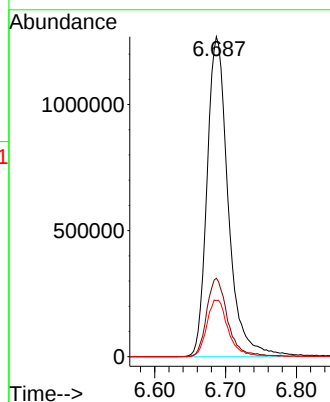
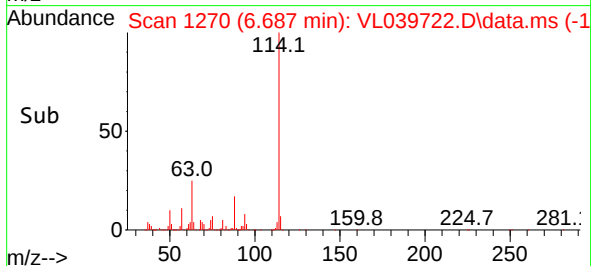
88 18.3 14.5 21.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/18/2022

Supervised By :Mahesh Dadoda 10/19/2022



#34

2-Butanone

Concen: 0.549 ppbv m

RT: 4.835 min Scan# 694

Delta R.T. 0.013 min

Lab File: VL039722.D

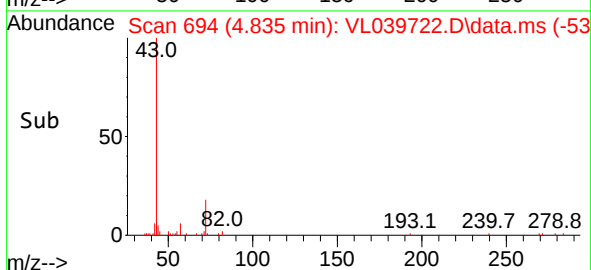
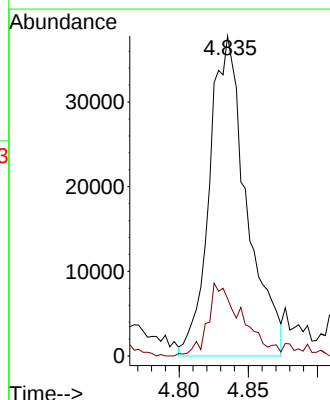
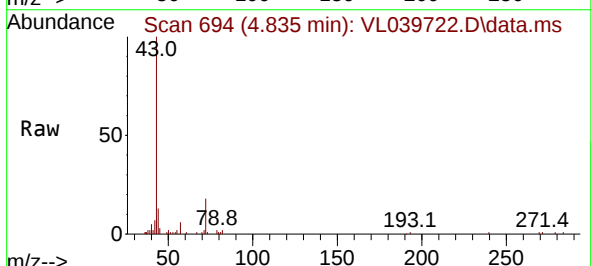
Acq: 17 Oct 2022 16:48

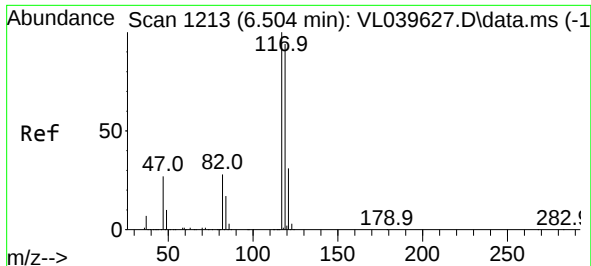
Tgt Ion: 43 Resp: 70664

Ion Ratio Lower Upper

43 100

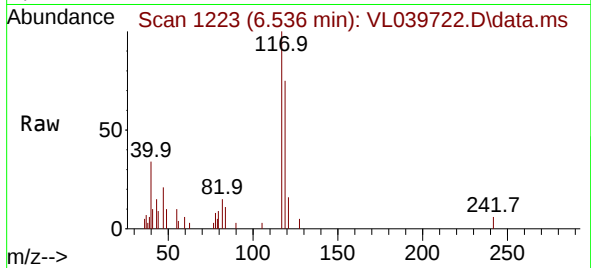
72 23.3 17.9 26.9





#35
Carbon Tetrachloride
Concen: 0.061 ppbv m
RT: 6.536 min Scan# 1182
Delta R.T. 0.010 min
Lab File: VL039722.D
Acq: 17 Oct 2022 16:48

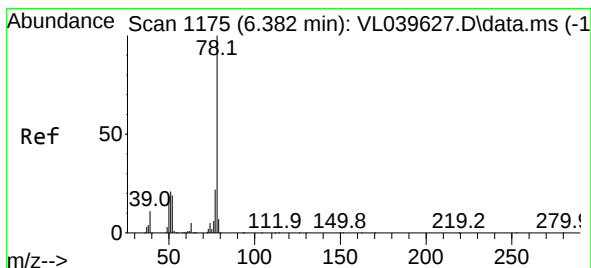
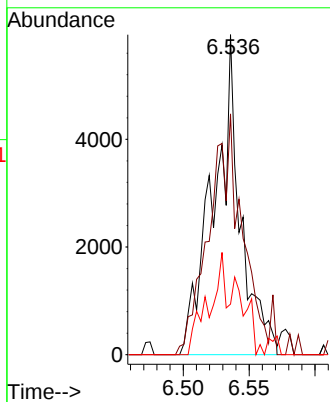
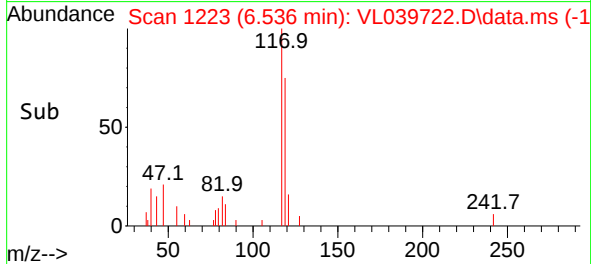
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



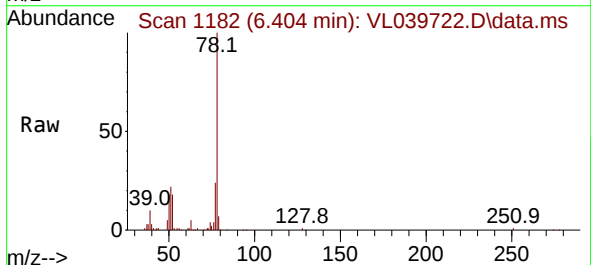
Tgt Ion: 117 Resp: 844
Ion Ratio Lower Upper
117 100
119 75.2 75.4 113.2
121 15.8 24.2 36.2

Manual Integrations
APPROVED

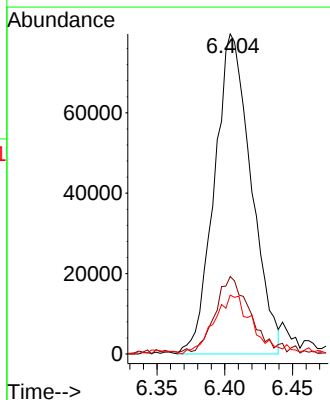
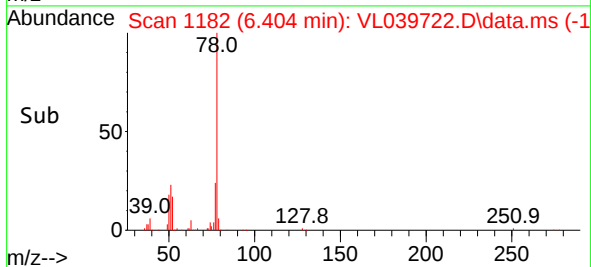
Reviewed By :Semsettin Yesilyurt 10/18/2022
Supervised By :Mahesh Dadoda 10/19/2022

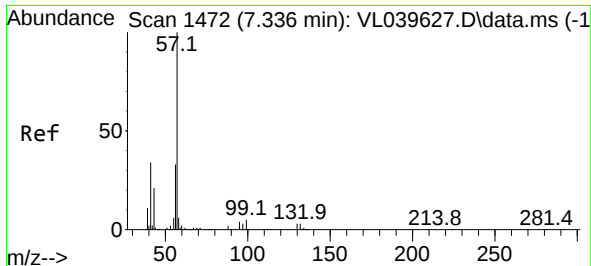


#36
Benzene
Concen: 0.751 ppbv
RT: 6.404 min Scan# 1182
Delta R.T. 0.003 min
Lab File: VL039722.D
Acq: 17 Oct 2022 16:48



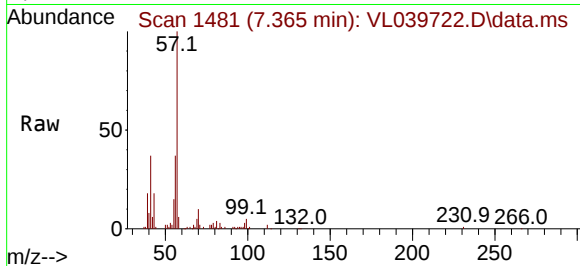
Tgt Ion: 78 Resp: 150465
Ion Ratio Lower Upper
78 100
77 23.6 20.3 30.5
50 17.9 15.5 23.3





#44
2,2,4-Trimethylpentane
Concen: 0.330 ppbv m
RT: 7.365 min Scan# 1472
Delta R.T. 0.010 min
Lab File: VL039722.D
Acq: 17 Oct 2022 16:48

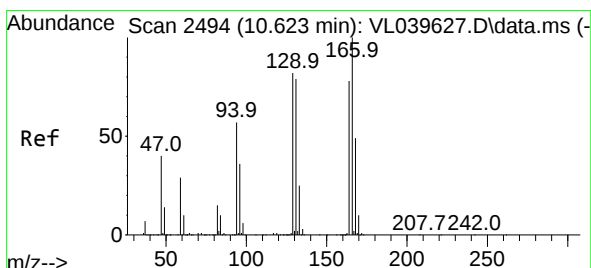
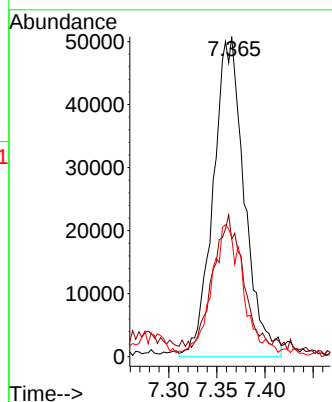
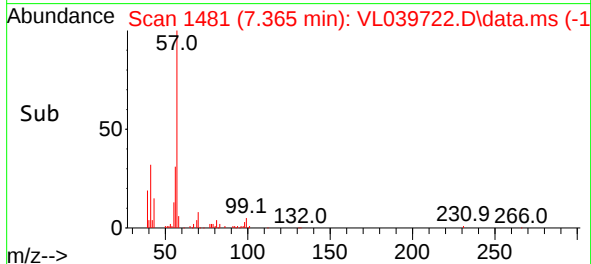
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 57 Resp: 11396
Ion Ratio Lower Upper
57 100
41 0.0 27.4 41.2
56 45.2 24.5 36.7

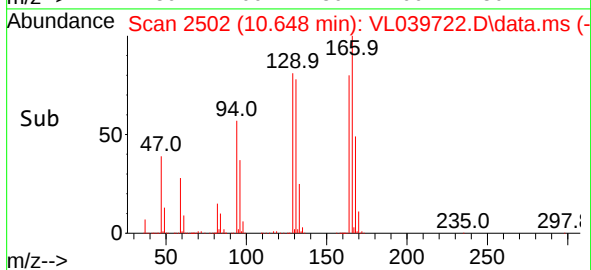
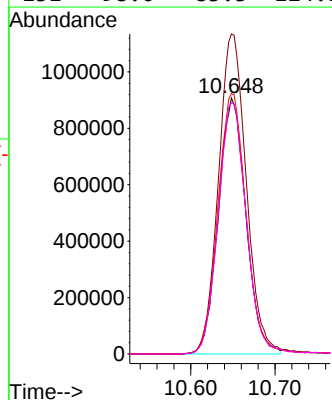
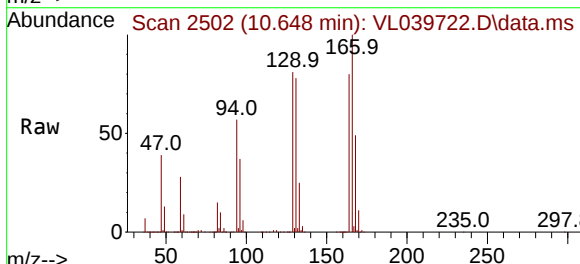
Manual Integrations
APPROVED

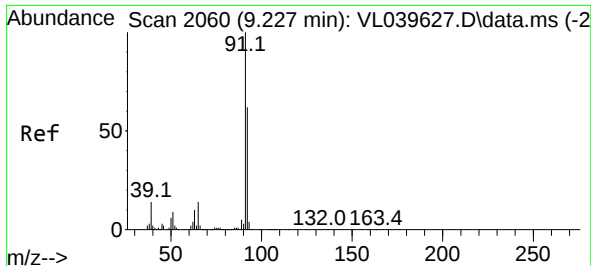
Reviewed By :Semsettin Yesilyurt 10/18/2022
Supervised By :Mahesh Dadoda 10/19/2022



#52
Tetrachloroethene
Concen: 26.868 ppbv
RT: 10.648 min Scan# 2502
Delta R.T. 0.003 min
Lab File: VL039722.D
Acq: 17 Oct 2022 16:48

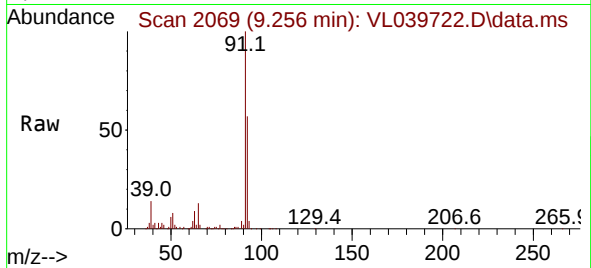
Tgt Ion:164 Resp: 2054074
Ion Ratio Lower Upper
164 100
166 125.0 102.2 153.2
129 101.7 85.8 128.8
131 98.0 83.3 124.9





#53
Toluene
Concen: 3.773 ppbv
RT: 9.256 min Scan# 2069
Delta R.T. 0.006 min
Lab File: VL039722.D
Acq: 17 Oct 2022 16:48

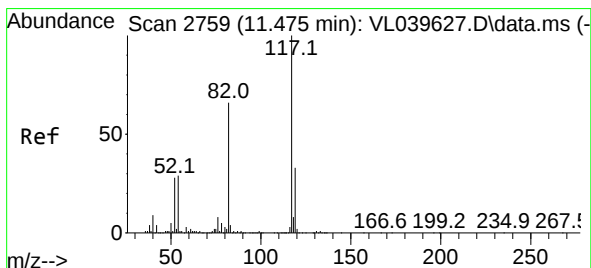
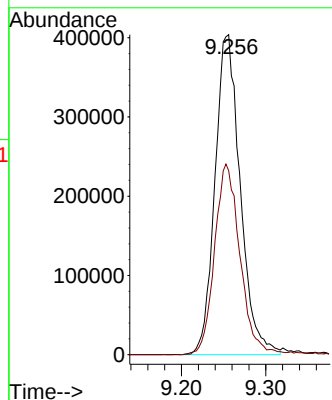
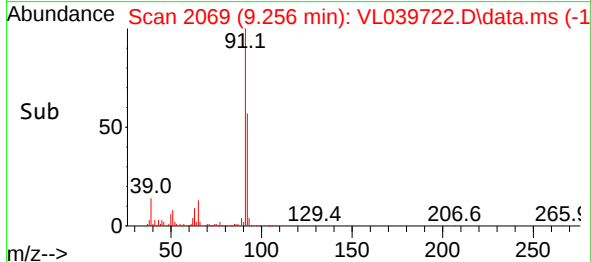
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



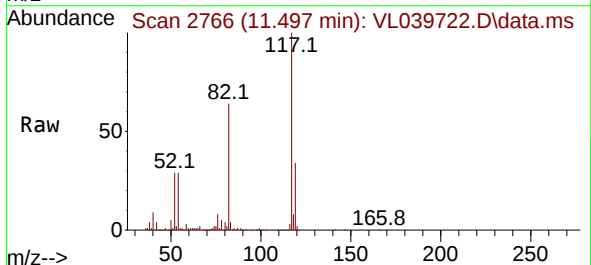
Tgt Ion: 91 Resp: 84088
Ion Ratio Lower Upper
91 100
92 60.5 48.2 72.2

Manual Integrations
APPROVED

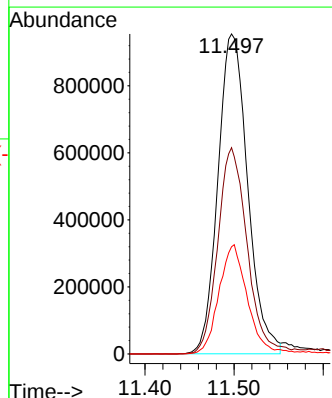
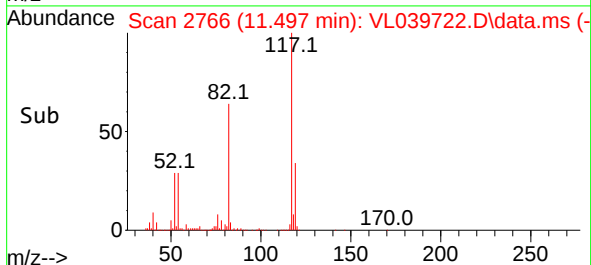
Reviewed By :Semsettin Yesilyurt 10/18/2022
Supervised By :Mahesh Dadoda 10/19/2022

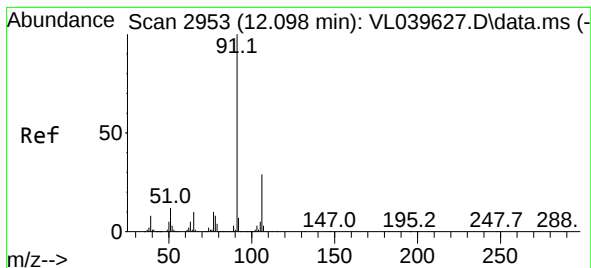


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.497 min Scan# 2766
Delta R.T. 0.006 min
Lab File: VL039722.D
Acq: 17 Oct 2022 16:48



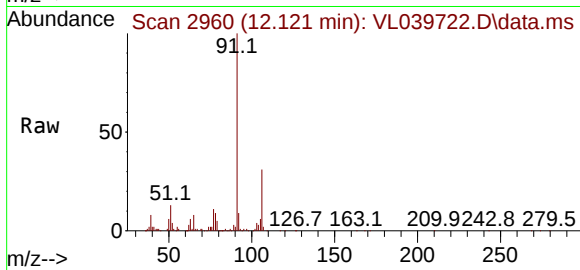
Tgt Ion:117 Resp: 2213483
Ion Ratio Lower Upper
117 100
82 66.5 50.8 76.2
119 33.8 24.1 36.1





#58
Ethyl Benzene
Concen: 1.131 ppbv
RT: 12.121 min Scan# 2953
Delta R.T. 0.006 min
Lab File: VL039722.D
Acq: 17 Oct 2022 16:48

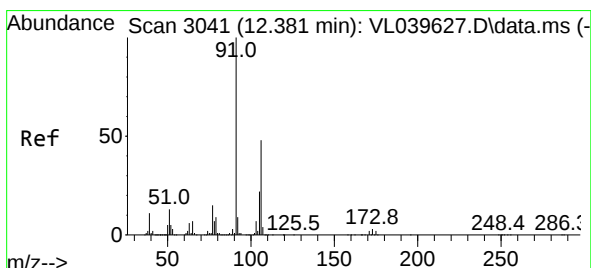
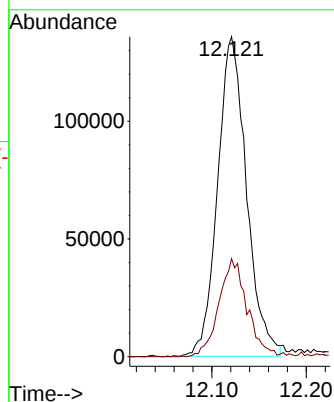
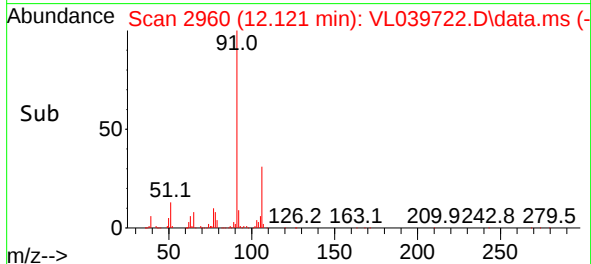
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



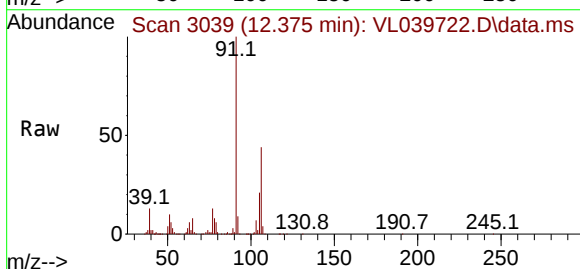
Tgt Ion: 91 Resp: 28857
Ion Ratio Lower Upper
91 100
106 30.7 25.4 38.0

Manual Integrations
APPROVED

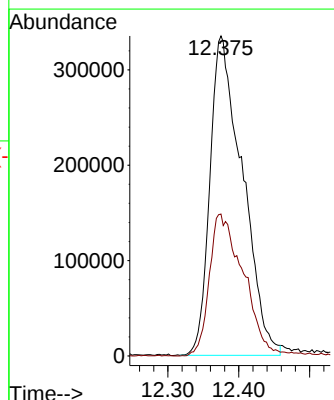
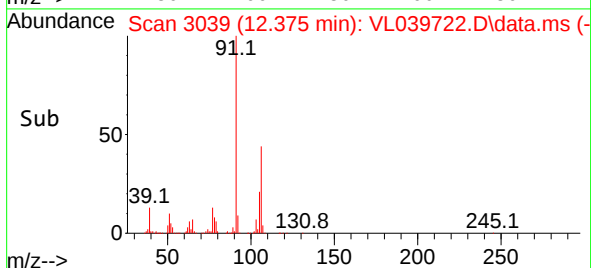
Reviewed By :Semsettin Yesilyurt 10/18/2022
Supervised By :Mahesh Dadoda 10/19/2022

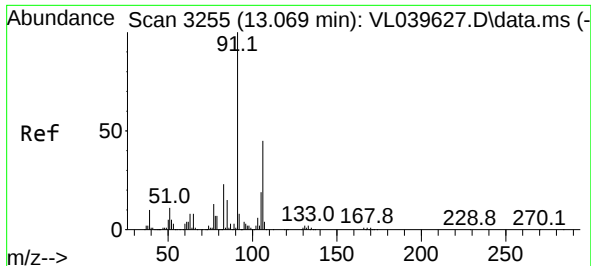


#59
m/p-Xylene
Concen: 4.683 ppbv
RT: 12.375 min Scan# 3039
Delta R.T. -0.026 min
Lab File: VL039722.D
Acq: 17 Oct 2022 16:48



Tgt Ion: 91 Resp: 1063700
Ion Ratio Lower Upper
91 100
106 47.0 35.4 53.2





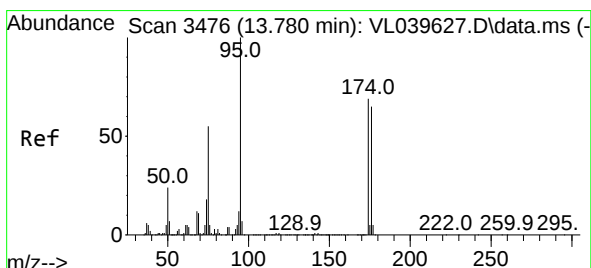
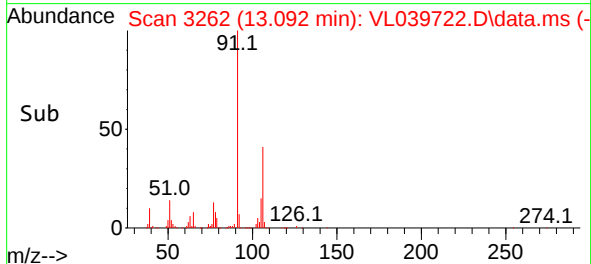
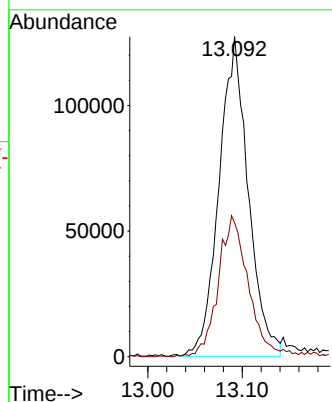
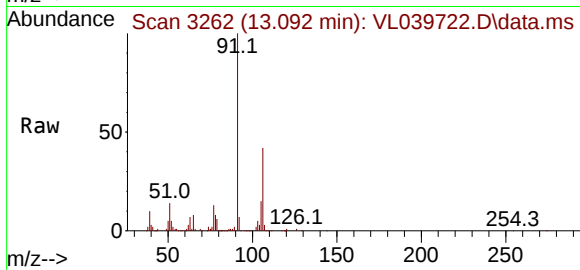
#60
o-Xylene
Concen: 1.256 ppbv
RT: 13.092 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL039722.D
Acq: 17 Oct 2022 16:48

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 91 Resp: 27252
Ion Ratio Lower Upper
91 100
106 46.4 22.4 67.3

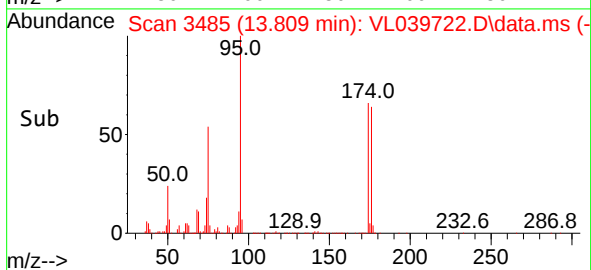
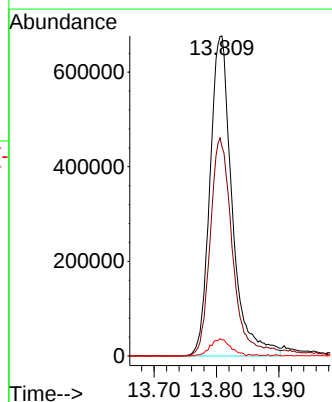
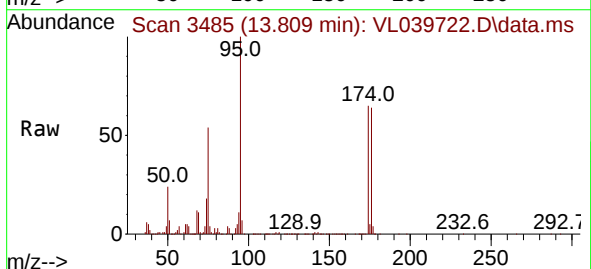
Manual Integrations
APPROVED

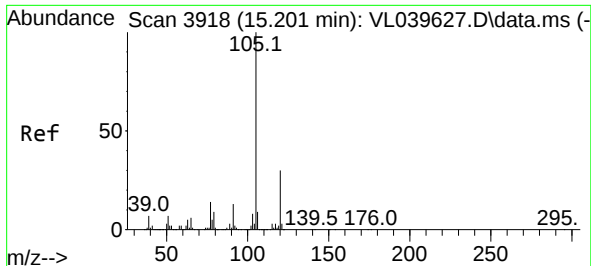
Reviewed By :Semsettin Yesilyurt 10/18/2022
Supervised By :Mahesh Dadoda 10/19/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.124 ppbv
RT: 13.809 min Scan# 3485
Delta R.T. 0.010 min
Lab File: VL039722.D
Acq: 17 Oct 2022 16:48

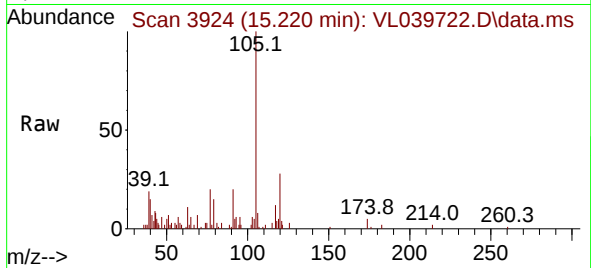
Tgt Ion: 95 Resp: 1672812
Ion Ratio Lower Upper
95 100
174 71.4 55.9 83.9
175 5.2 4.2 6.4





#72
4-Ethyltoluene
Concen: 0.136 ppbv m
RT: 15.220 min Scan# 3918
Delta R.T. -0.000 min
Lab File: VL039722.D
Acq: 17 Oct 2022 16:48

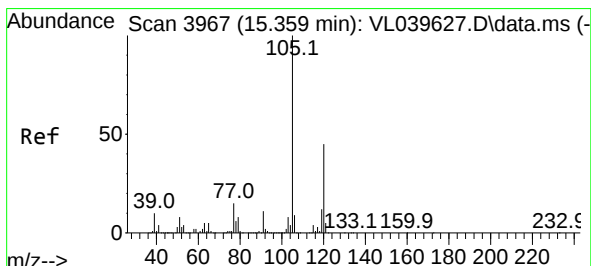
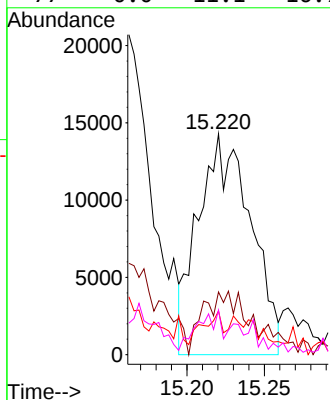
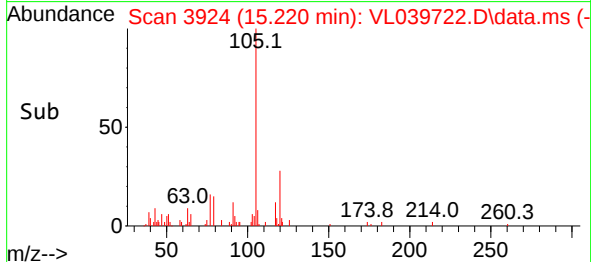
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion:105 Resp: 33704
Ion Ratio Lower Upper
105 100
120 30.2 24.2 36.2
91 0.0 10.2 15.4
77 0.0 11.1 16.7#

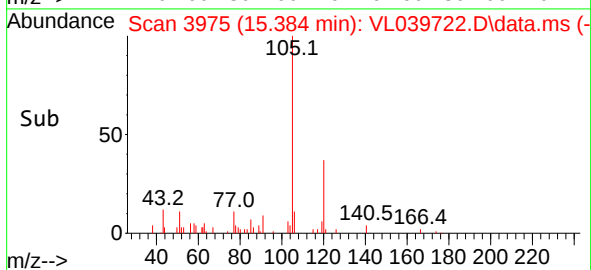
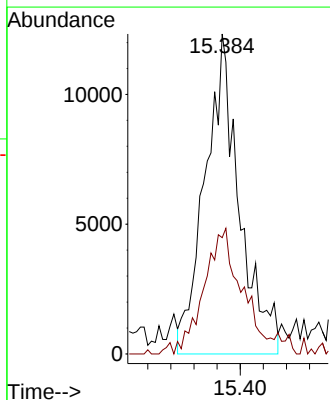
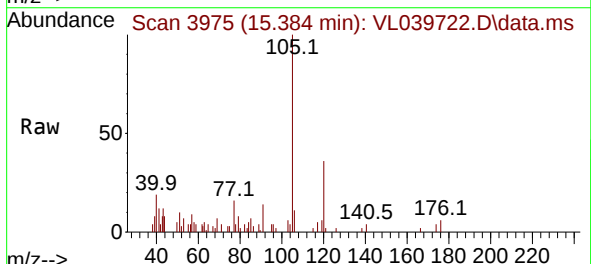
Manual Integrations
APPROVED

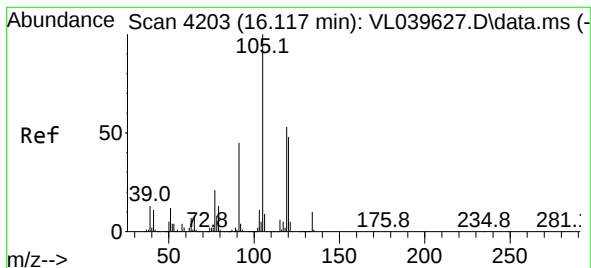
Reviewed By :Semsettin Yesilyurt 10/18/2022
Supervised By :Mahesh Dadoda 10/19/2022



#73
1,3,5-Trimethylbenzene
Concen: 0.112 ppbv m
RT: 15.384 min Scan# 3975
Delta R.T. 0.006 min
Lab File: VL039722.D
Acq: 17 Oct 2022 16:48

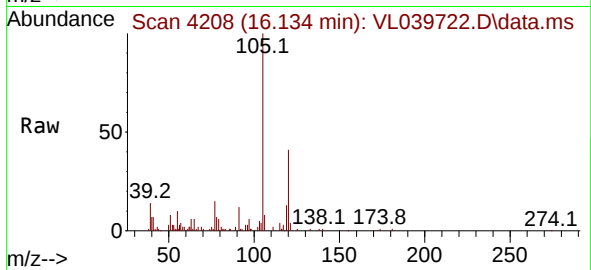
Tgt Ion:105 Resp: 25379
Ion Ratio Lower Upper
105 100
120 36.4 38.2 57.4#





#74
1,2,4-Trimethylbenzene
Concen: 0.363 ppbv m
RT: 16.134 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL039722.D
Acq: 17 Oct 2022 16:48

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion:	105	Resp:	9228
Ion	Ratio	Lower	Upper
105	100		
120	41.4	39.5	59.3
91	11.6	39.2	58.8
77	15.4	17.2	25.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/18/2022
Supervised By :Mahesh Dadoda 10/19/2022

