

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041923\
 Data File : VL040396.D
 Acq On : 20 Apr 2023 8:33
 Operator : SY/MD
 Sample : 02332-07 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-15-20230413

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/20/2023
 Supervised By :Mahesh Dadoda 04/22/2023

Quant Time: Apr 20 10:33:07 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Thu Apr 13 14:37:02 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.169	49	1107803	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.632	114	2881249	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.449	117	2637194	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	2120741	9.725	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.703	85	51460	0.258	ppbv #	82
4) Chloromethane	2.787	50	10843m	0.119	ppbv	
9) Propene	2.671	41	1731425	30.276	ppbv	92
10) Heptane	7.558	43	134996	1.039	ppbv	96
11) Trichlorofluoromethane	3.539	101	30742	0.152	ppbv	90
13) Ethanol	3.214	45	180743	37.859	ppbv	96
15) Acetone	3.439	43	3099408	19.753	ppbv #	78
17) tert-Butyl alcohol	3.861	59	347655	2.413	ppbv	100
20) Methylene Chloride	3.909	84	698757	11.155	ppbv	93
26) Hexane	5.192	57	1241313	11.152	ppbv #	36
27) Carbon Disulfide	4.102	76	98854	0.686	ppbv	98
29) Chloroform	5.253	83	41754m	0.211	ppbv	
34) 2-Butanone	4.761	43	547495	3.524	ppbv	100
36) Benzene	6.349	78	218740	0.931	ppbv	94
50) 4-Methyl-2-Pentanone	8.169	43	76847m	0.326	ppbv	
52) Tetrachloroethene	10.597	164	17583m	0.239	ppbv	
53) Toluene	9.201	91	600775	2.411	ppbv	99
58) Ethyl Benzene	12.072	91	133193	0.411	ppbv	98
59) m/p-Xylene	12.326	91	440197	1.476	ppbv	94
60) o-Xylene	13.043	91	177270	0.619	ppbv	98
73) 1,3,5-Trimethylbenzene	15.336	105	55272m	0.189	ppbv	
74) 1,2,4-Trimethylbenzene	16.092	105	192254	0.576	ppbv #	65

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

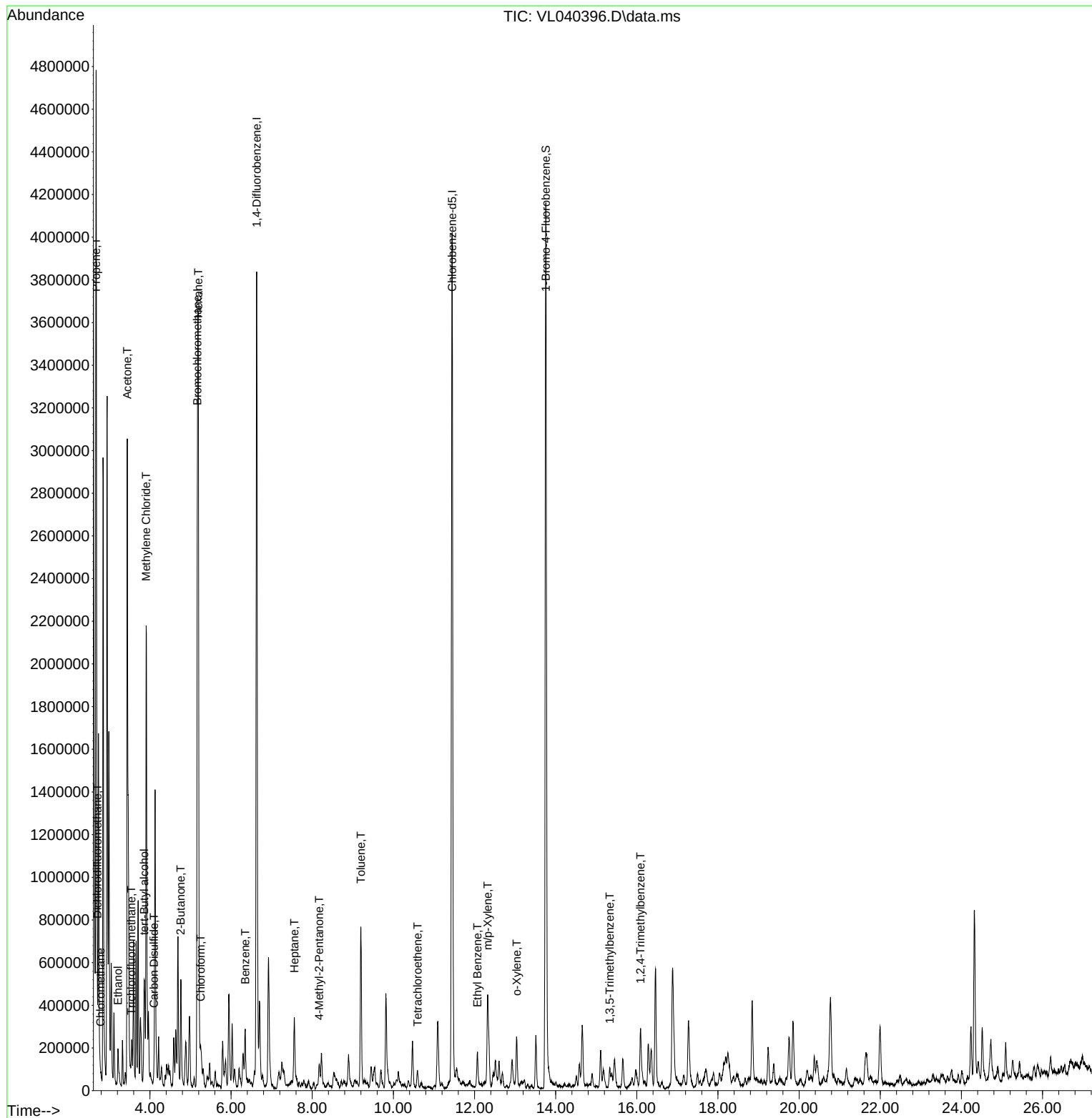
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041923\
Data File : VL040396.D
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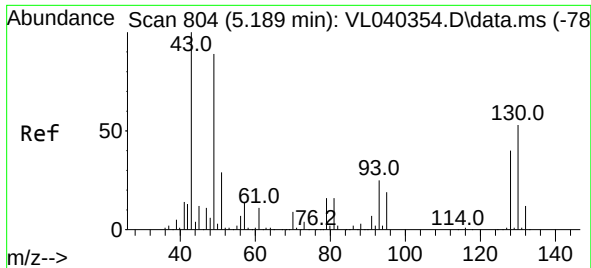
Instrument :
MSVOA_L
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SV-15-20230413

Quant Time: Apr 20 10:33:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Apr 13 14:37:02 2023
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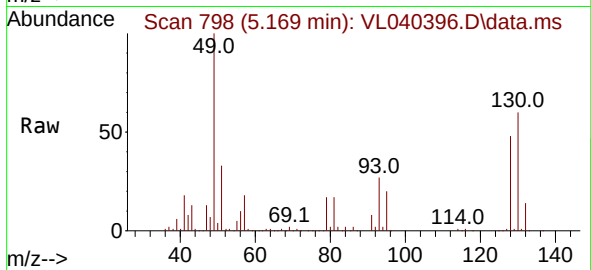
Reviewed By : Semsettin Yesilyurt 04/20/2023
Supervised By : Mahesh Dadoda 04/22/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.169 min Scan# 79
Delta R.T. -0.020 min
Lab File: VL040396.D
Acq: 20 Apr 2023 8:33

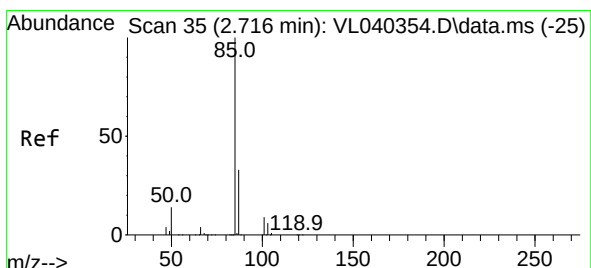
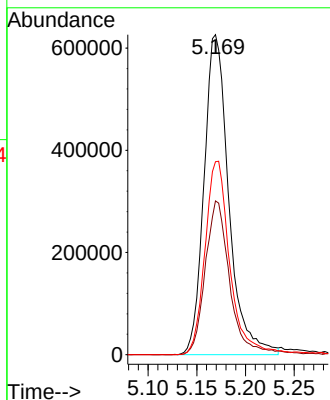
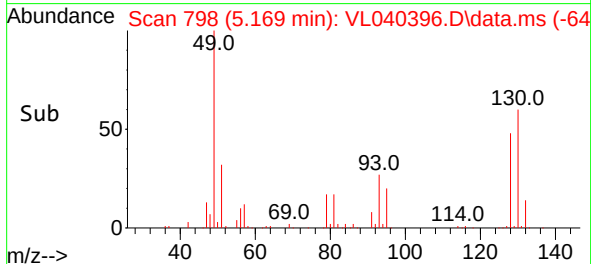
Instrument :
MSVOA_L
ClientSampleId :
SV-15-20230413



Tgt Ion: 49 Resp: 110780
Ion Ratio Lower Upper
49 100
128 48.0 23.7 71.1
130 61.8 29.9 89.8

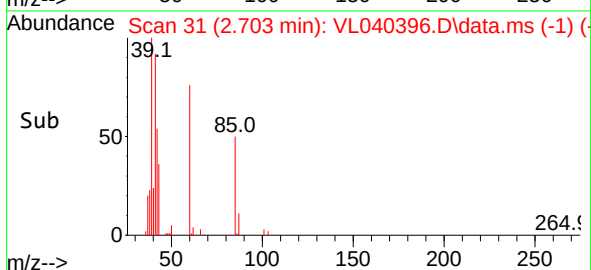
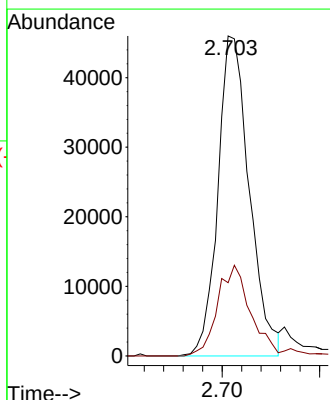
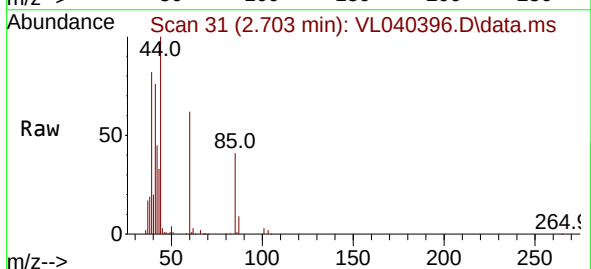
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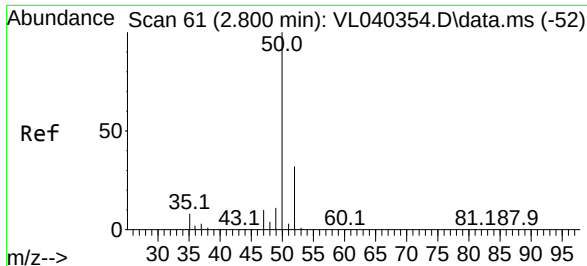
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#2
Dichlorodifluoromethane
Concen: 0.258 ppbv
RT: 2.703 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL040396.D
Acq: 20 Apr 2023 8:33

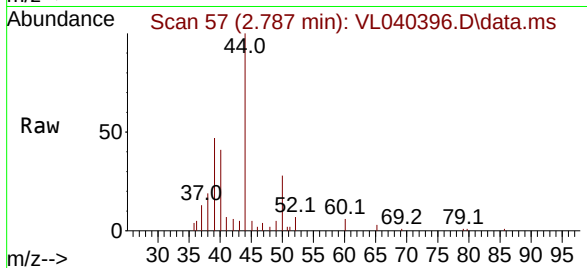
Tgt Ion: 85 Resp: 51460
Ion Ratio Lower Upper
85 100
87 22.9 26.6 40.0#





#4
Chloromethane
Concen: 0.119 ppbv m
RT: 2.787 min Scan# 51
Delta R.T. -0.013 min
Lab File: VL040396.D
Acq: 20 Apr 2023 8:33

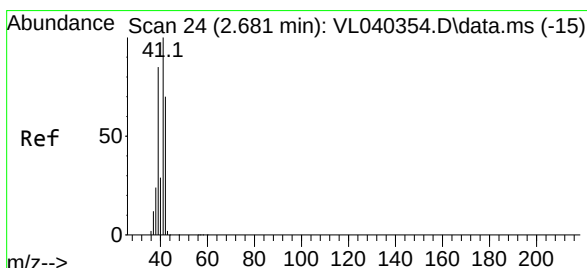
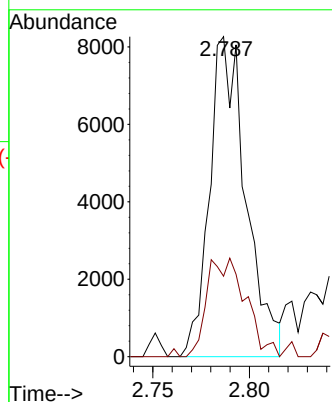
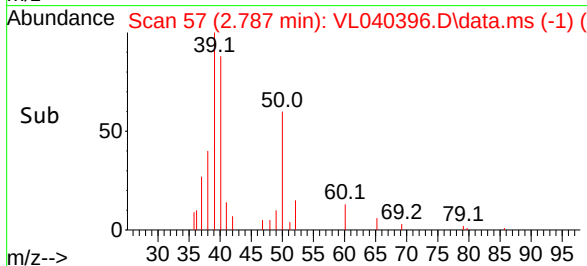
Instrument :
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SV-15-20230413



Tgt Ion: 50 Resp: 1084
Ion Ratio Lower Upper
50 100
52 25.1 25.3 37.9

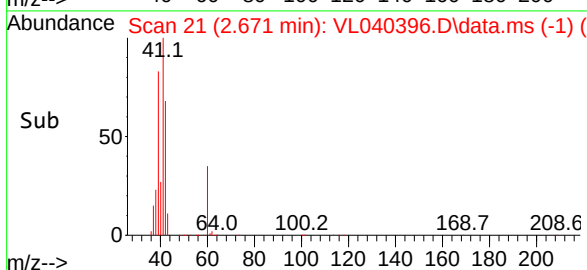
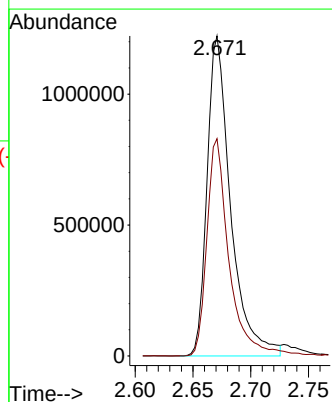
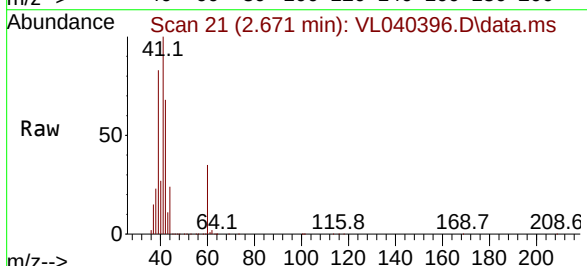
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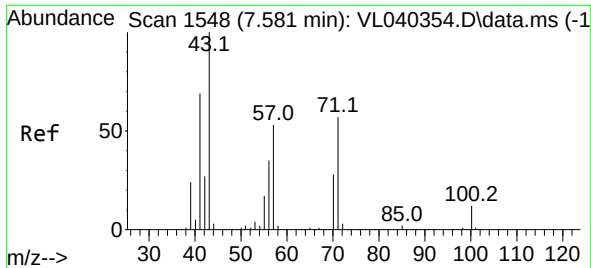
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#9
Propene
Concen: 30.276 ppbv
RT: 2.671 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL040396.D
Acq: 20 Apr 2023 8:33

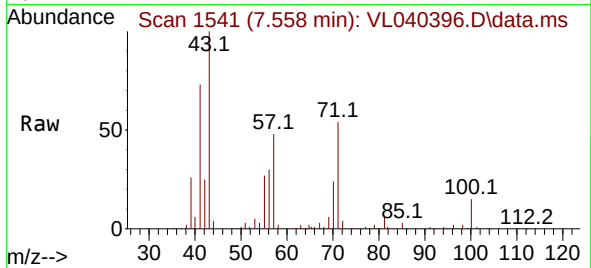
Tgt Ion: 41 Resp: 1731425
Ion Ratio Lower Upper
41 100
42 64.3 56.5 84.7





#10
Heptane
Concen: 1.039 ppbv
RT: 7.558 min Scan# 11
Delta R.T. -0.023 min
Lab File: VL040396.D
Acq: 20 Apr 2023 8:33

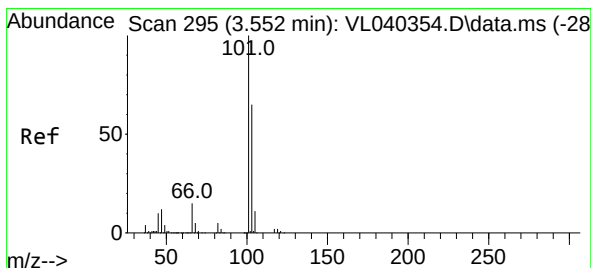
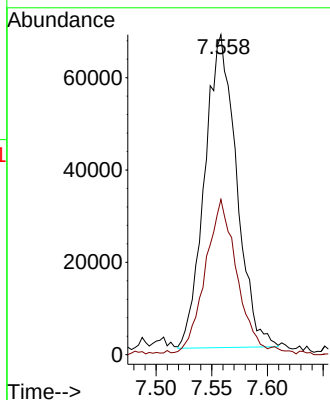
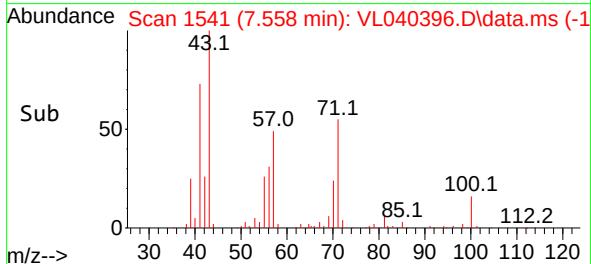
Instrument :
MSVOA_L
ClientSampleId :
SV-15-20230413



Tgt Ion: 43 Resp: 134990
Ion Ratio Lower Upper
43 100
57 50.1 42.2 63.4

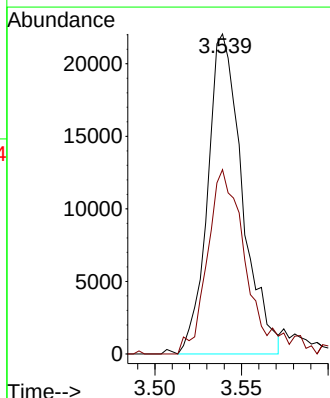
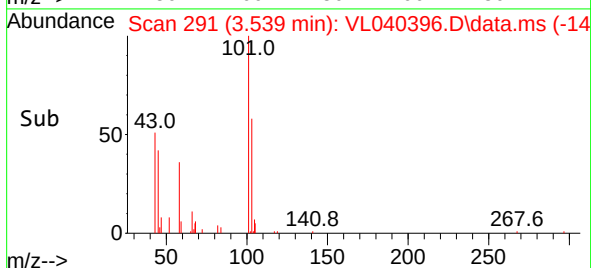
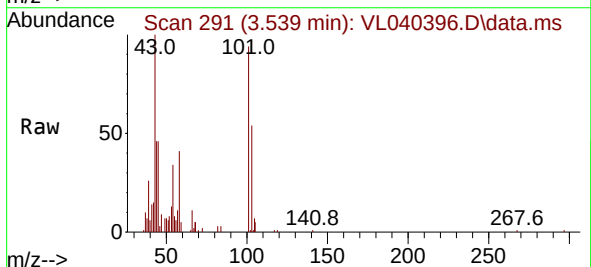
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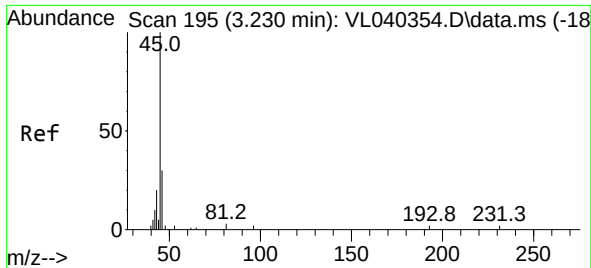
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#11
Trichlorofluoromethane
Concen: 0.152 ppbv
RT: 3.539 min Scan# 291
Delta R.T. -0.013 min
Lab File: VL040396.D
Acq: 20 Apr 2023 8:33

Tgt Ion:101 Resp: 30742
Ion Ratio Lower Upper
101 100
103 57.6 52.2 78.4





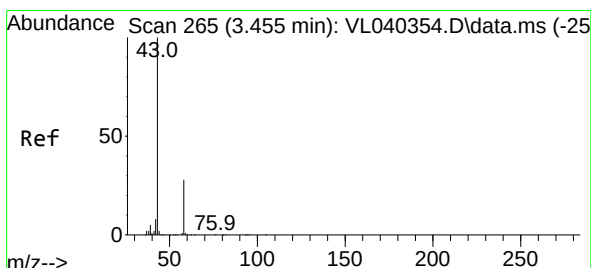
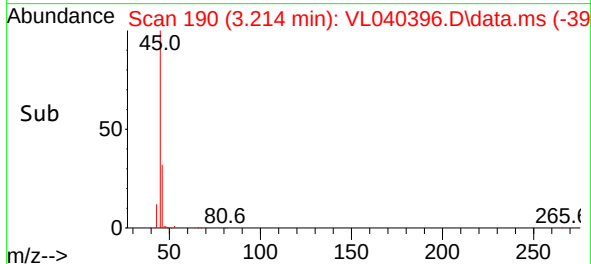
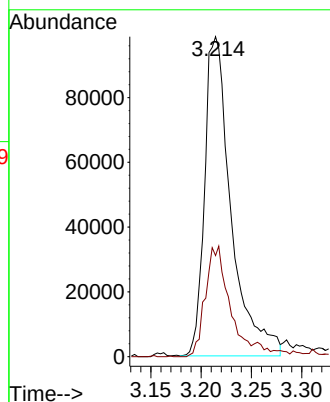
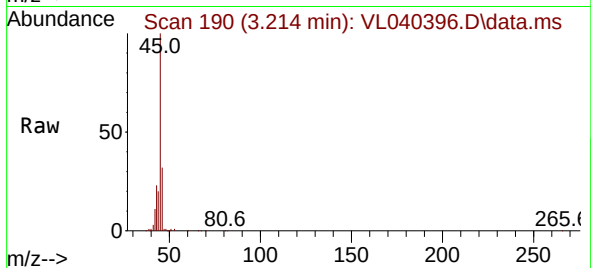
#13
Ethanol
Concen: 37.859 ppbv
RT: 3.214 min Scan# 195
Delta R.T. -0.016 min
Lab File: VL040396.D
Acq: 20 Apr 2023 8:33

Instrument :
MSVOA_L
ClientSampleId :
SV-15-20230413

Tgt Ion: 45 Resp: 18074
Ion Ratio Lower Upper
45 100
46 35.6 15.3 61.3

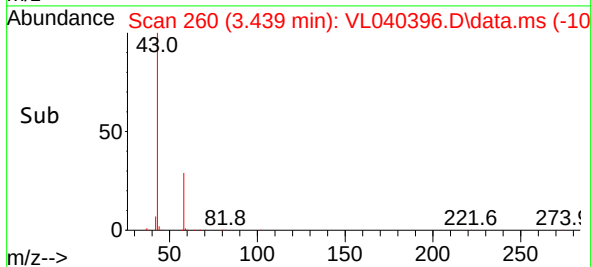
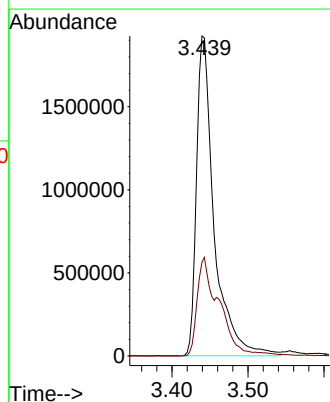
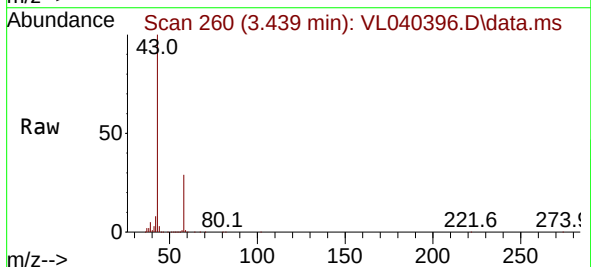
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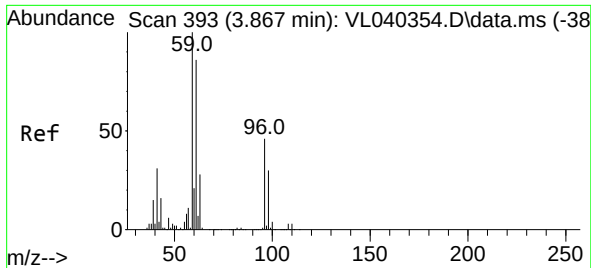
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#15
Acetone
Concen: 19.753 ppbv
RT: 3.439 min Scan# 260
Delta R.T. -0.016 min
Lab File: VL040396.D
Acq: 20 Apr 2023 8:33

Tgt Ion: 43 Resp: 3099408
Ion Ratio Lower Upper
43 100
58 39.2 22.2 33.2#





#17

tert-Butyl alcohol

Concen: 2.413 ppbv

RT: 3.861 min Scan# 393

Delta R.T. -0.006 min

Lab File: VL040396.D

Acq: 20 Apr 2023 8:33

Instrument :

MSVOA_L

ClientSampleId :

SV-15-20230413

Tgt Ion: 59 Resp: 34765

Ion Ratio Lower Upper

59 100

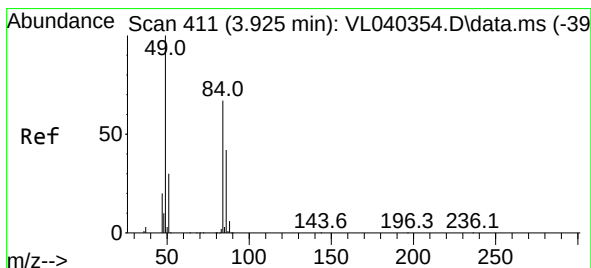
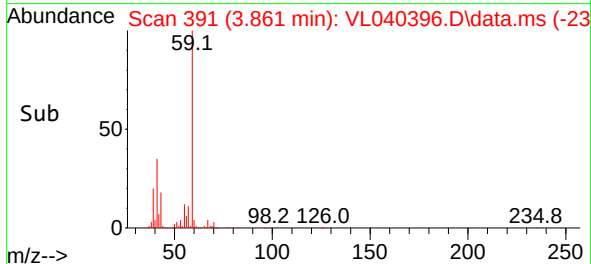
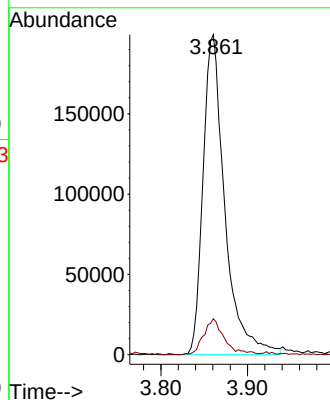
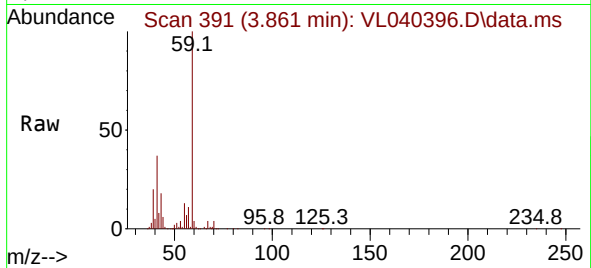
57 10.7 8.5 12.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/20/2023

Supervised By :Mahesh Dadoda 04/22/2023



#20

Methylene Chloride

Concen: 11.155 ppbv

RT: 3.909 min Scan# 406

Delta R.T. -0.016 min

Lab File: VL040396.D

Acq: 20 Apr 2023 8:33

Tgt Ion: 84 Resp: 698757

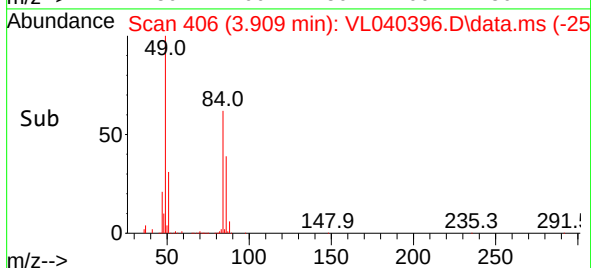
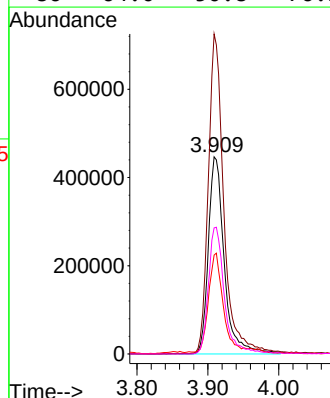
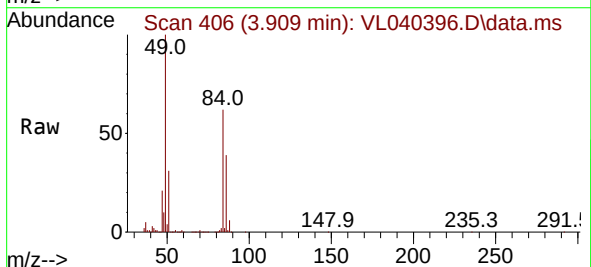
Ion Ratio Lower Upper

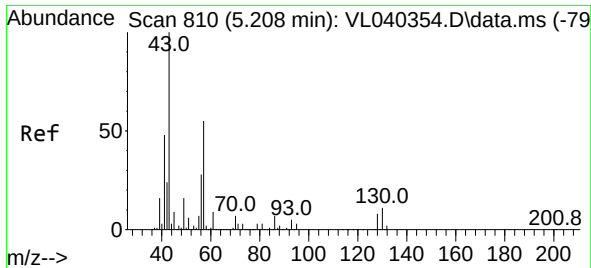
84 100

49 162.1 120.1 180.1

51 49.4 36.3 54.5

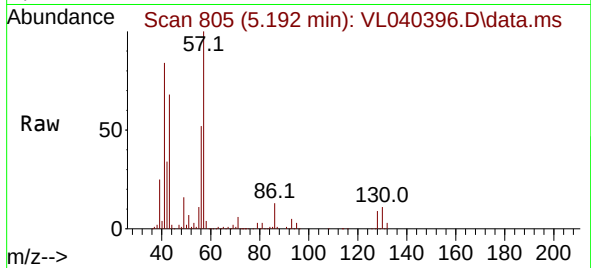
86 64.0 50.8 76.2





#26
Hexane
Concen: 11.152 ppbv
RT: 5.192 min Scan# 805
Delta R.T. -0.016 min
Lab File: VL040396.D
Acq: 20 Apr 2023 8:33

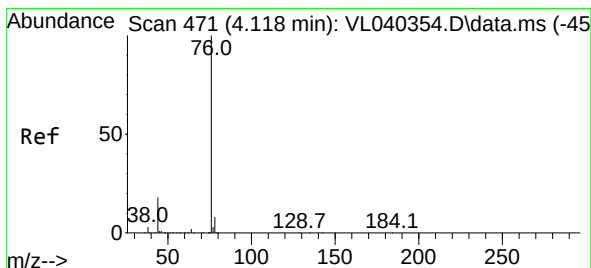
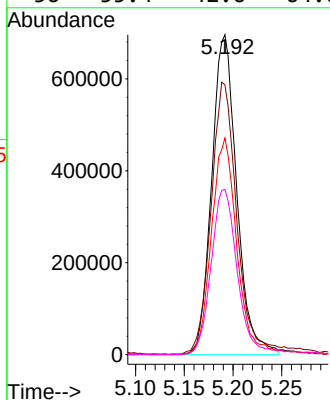
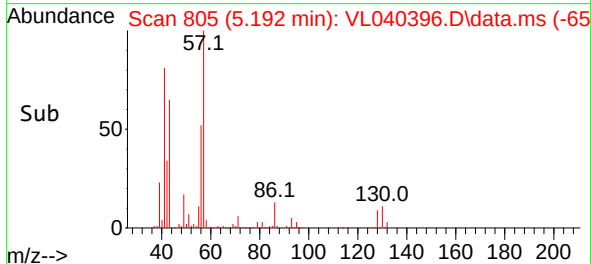
Instrument :
MSVOA_L
ClientSampleId :
SV-15-20230413



Tgt Ion: 57 Resp: 124131
Ion Ratio Lower Upper
57 100
41 90.0 74.8 112.2
43 69.4 192.7 289.1
56 55.4 42.6 64.0

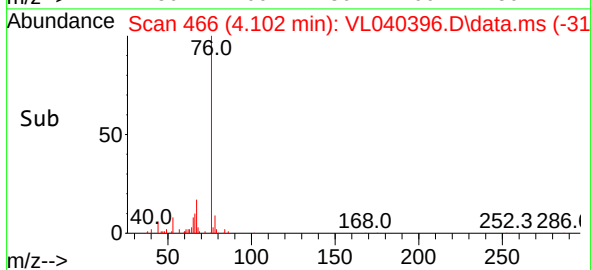
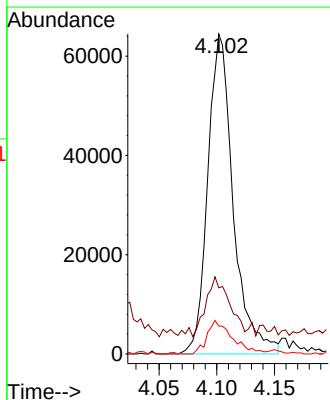
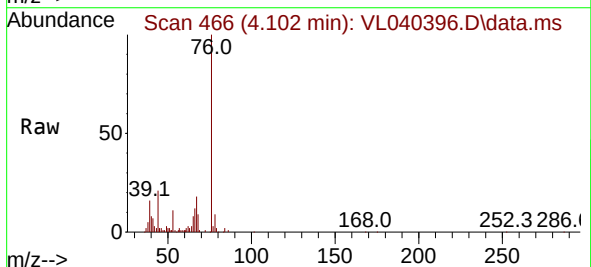
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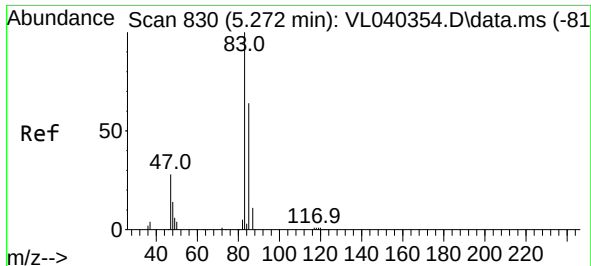
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#27
Carbon Disulfide
Concen: 0.686 ppbv
RT: 4.102 min Scan# 466
Delta R.T. -0.016 min
Lab File: VL040396.D
Acq: 20 Apr 2023 8:33

Tgt Ion: 76 Resp: 98854
Ion Ratio Lower Upper
76 100
44 18.3 14.7 22.1
78 11.1 7.7 11.5





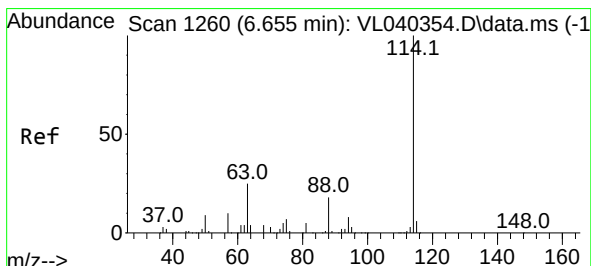
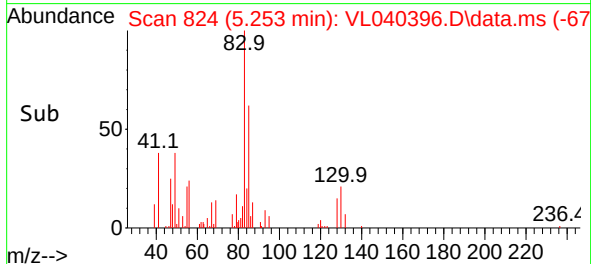
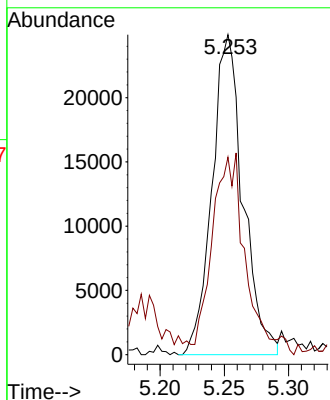
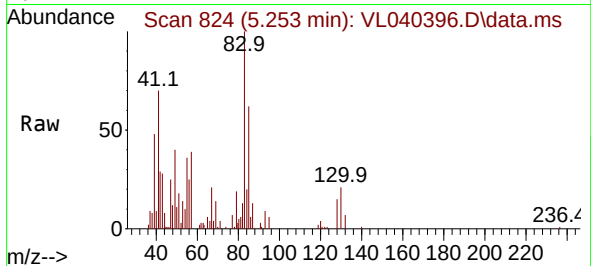
#29
Chloroform
Concen: 0.211 ppbv m
RT: 5.253 min Scan# 81
Delta R.T. -0.019 min
Lab File: VL040396.D
Acq: 20 Apr 2023 8:33

Instrument :
MSVOA_L
ClientSampleId :
SV-15-20230413

Tgt Ion: 83 Resp: 41754
Ion Ratio Lower Upper
83 100
85 61.7 51.0 76.4

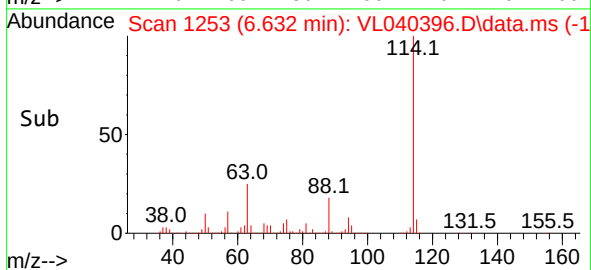
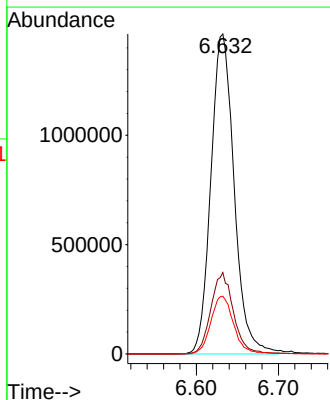
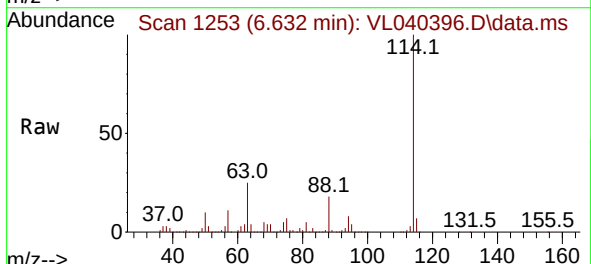
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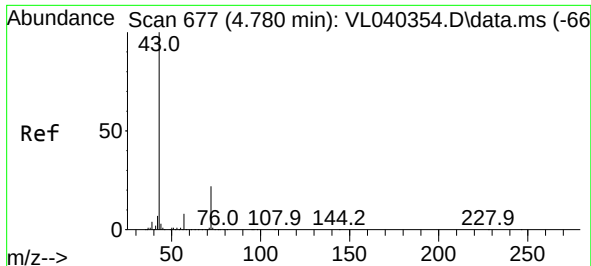
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.632 min Scan# 1253
Delta R.T. -0.023 min
Lab File: VL040396.D
Acq: 20 Apr 2023 8:33

Tgt Ion:114 Resp: 2881249
Ion Ratio Lower Upper
114 100
63 24.9 21.4 32.0
88 17.9 14.6 22.0





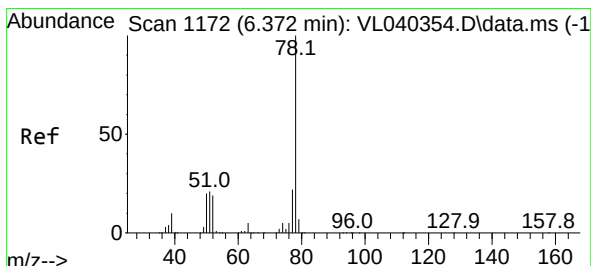
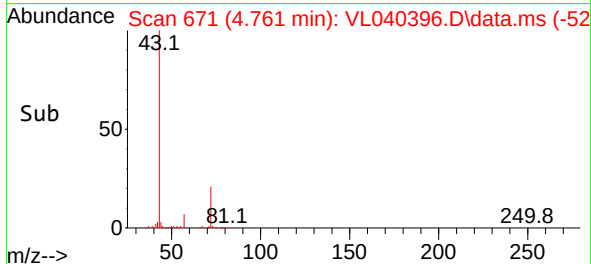
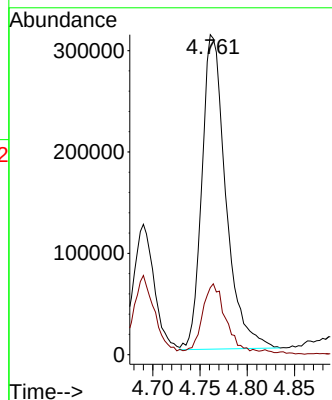
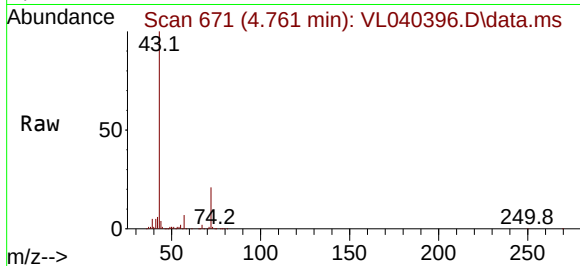
#34
2-Butanone
Concen: 3.524 ppbv
RT: 4.761 min Scan# 61
Delta R.T. -0.019 min
Lab File: VL040396.D
Acq: 20 Apr 2023 8:33

Instrument :
MSVOA_L
ClientSampleId :
SV-15-20230413

Tgt Ion: 43 Resp: 54749
Ion Ratio Lower Upper
43 100
72 23.1 18.4 27.6

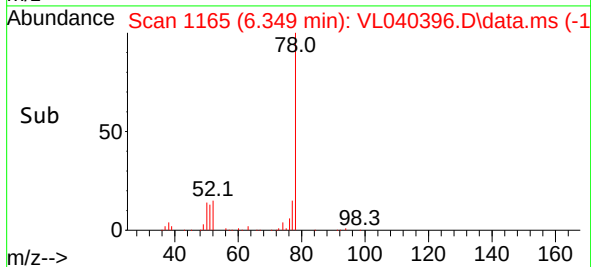
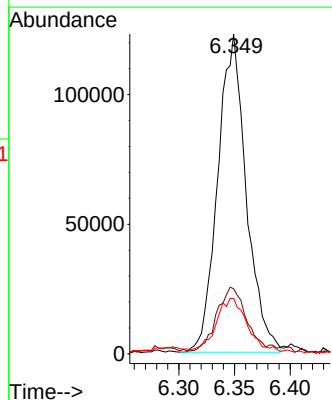
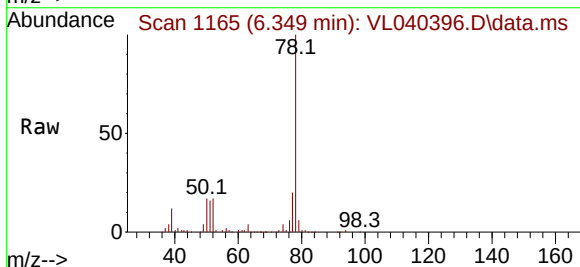
Manual Integrations
APPROVED

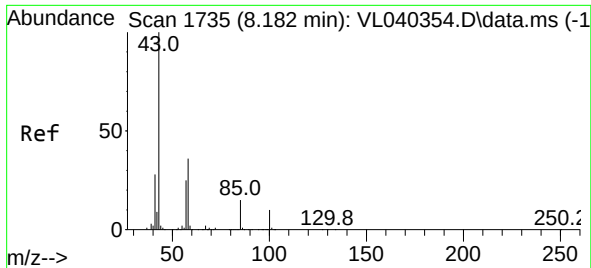
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#36
Benzene
Concen: 0.931 ppbv
RT: 6.349 min Scan# 1165
Delta R.T. -0.023 min
Lab File: VL040396.D
Acq: 20 Apr 2023 8:33

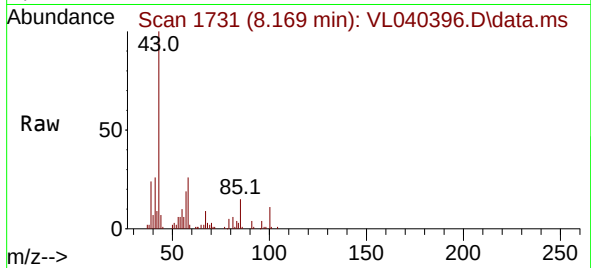
Tgt Ion: 78 Resp: 218740
Ion Ratio Lower Upper
78 100
77 19.6 17.8 26.8
50 16.7 15.6 23.4





#50
4-Methyl-2-Pentanone
Concen: 0.326 ppbv m
RT: 8.169 min Scan# 1735
Delta R.T. -0.013 min
Lab File: VL040396.D
Acq: 20 Apr 2023 8:33

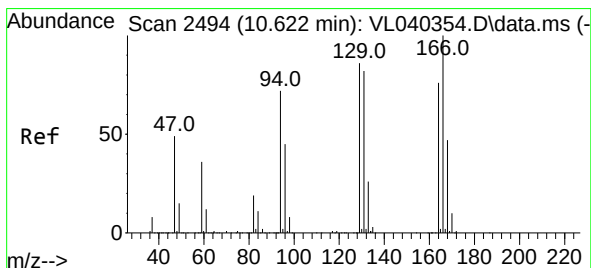
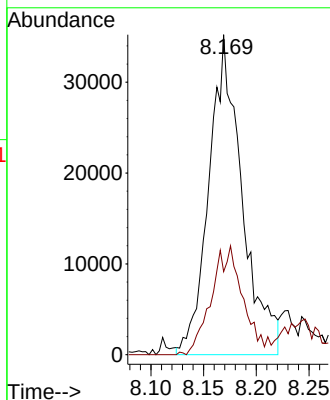
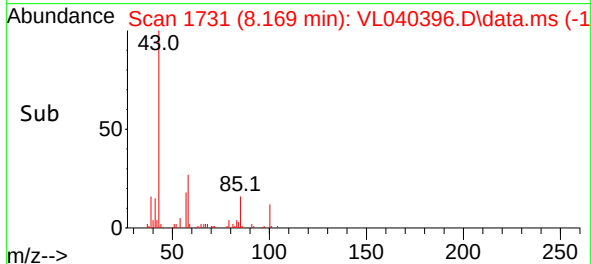
Instrument :
MSVOA_L
ClientSampleId :
SV-15-20230413



Tgt Ion: 43 Resp: 7684
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

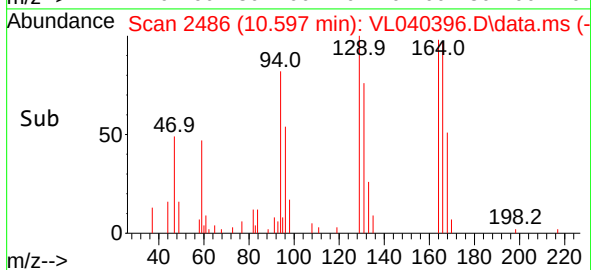
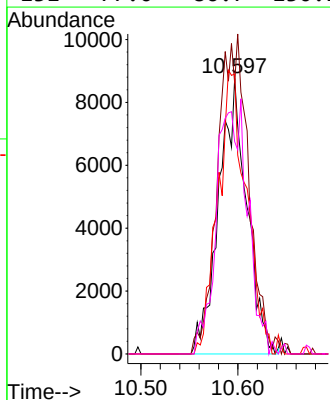
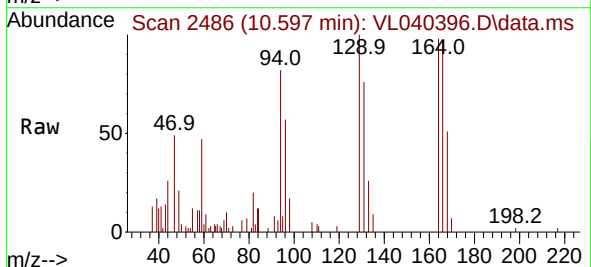
Manual Integrations
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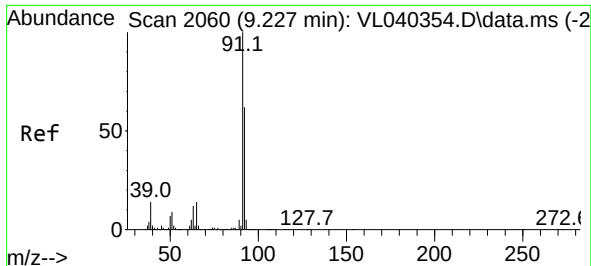
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#52
Tetrachloroethene
Concen: 0.239 ppbv m
RT: 10.597 min Scan# 2486
Delta R.T. -0.025 min
Lab File: VL040396.D
Acq: 20 Apr 2023 8:33

Tgt Ion:164 Resp: 17583
Ion Ratio Lower Upper
164 100
166 98.2 105.2 157.8#
129 101.6 90.3 135.5
131 77.0 86.7 130.1#





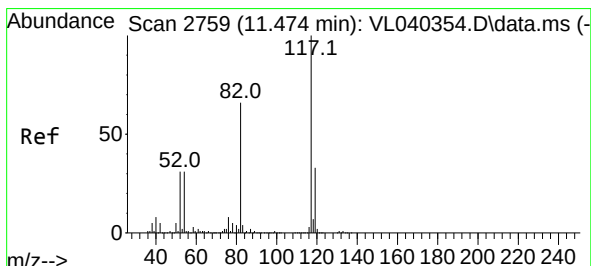
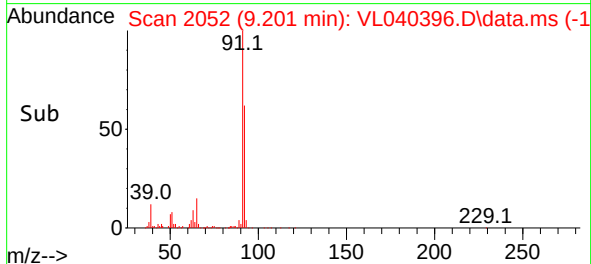
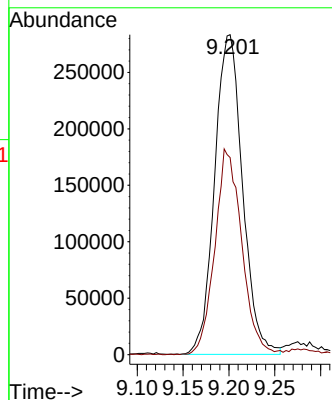
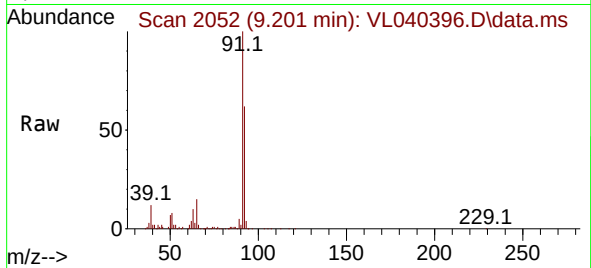
#53
Toluene
Concen: 2.411 ppbv
RT: 9.201 min Scan# 2060
Delta R.T. -0.026 min
Lab File: VL040396.D
Acq: 20 Apr 2023 8:33

Instrument : MSVOA_L
ClientSampleId : SV-15-20230413

Tgt Ion: 91 Resp: 600775
Ion Ratio Lower Upper
91 100
92 62.2 48.9 73.3

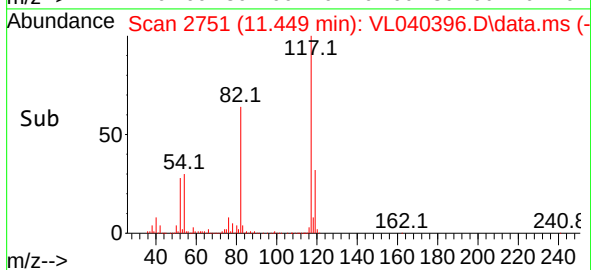
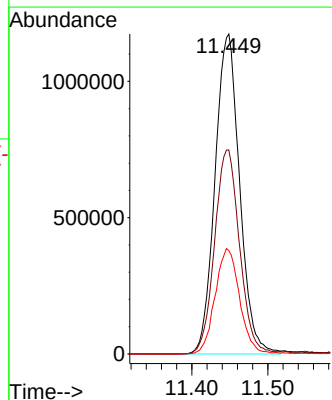
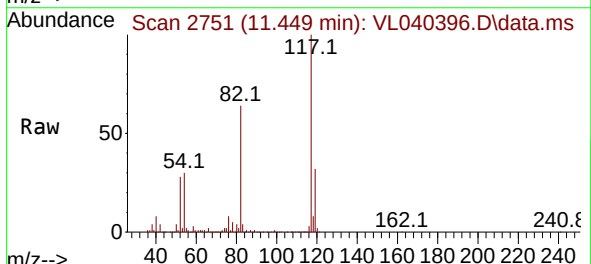
Manual Integrations
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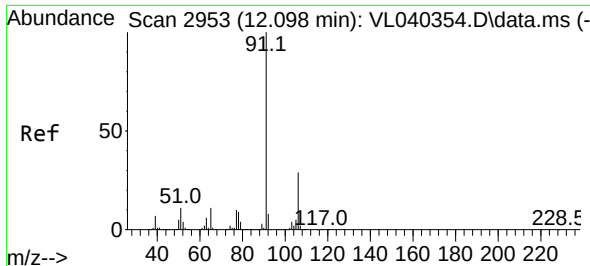
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 2751
Delta R.T. -0.025 min
Lab File: VL040396.D
Acq: 20 Apr 2023 8:33

Tgt Ion:117 Resp: 2637194
Ion Ratio Lower Upper
117 100
82 66.1 52.5 78.7
119 33.0 24.3 36.5





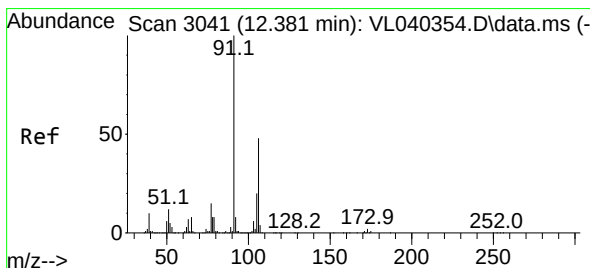
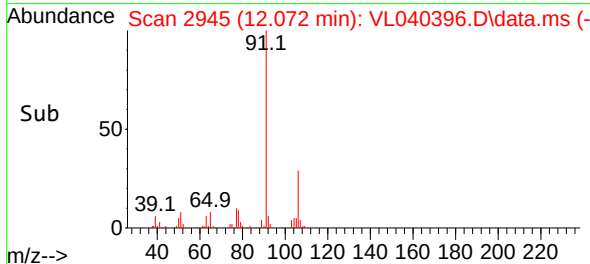
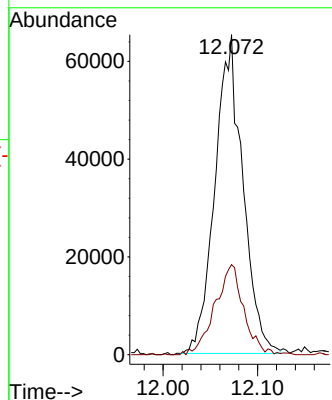
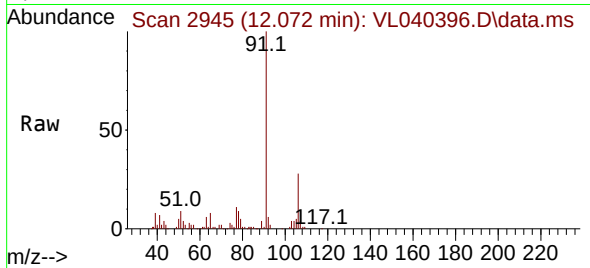
#58
Ethyl Benzene
Concen: 0.411 ppbv
RT: 12.072 min Scan# 2953
Delta R.T. -0.026 min
Lab File: VL040396.D
Acq: 20 Apr 2023 8:33

Instrument :
MSVOA_L
ClientSampleId :
SV-15-20230413

Tgt Ion: 91 Resp: 13319
Ion Ratio Lower Upper
91 100
106 28.3 23.5 35.3

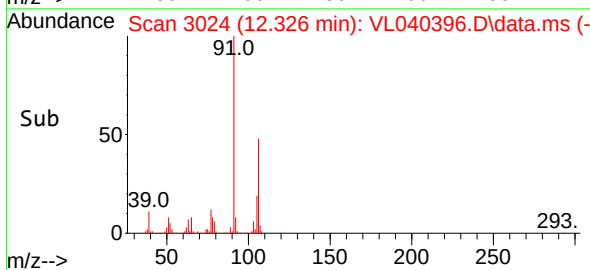
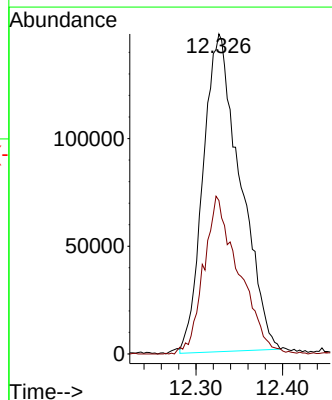
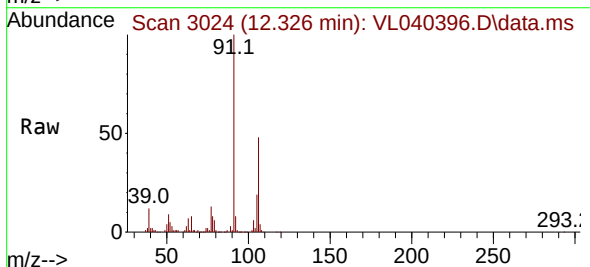
Manual Integrations
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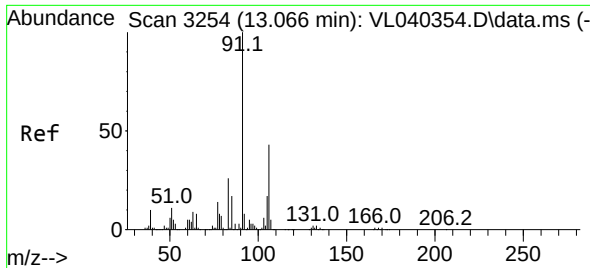
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#59
m/p-Xylene
Concen: 1.476 ppbv
RT: 12.326 min Scan# 3024
Delta R.T. -0.055 min
Lab File: VL040396.D
Acq: 20 Apr 2023 8:33

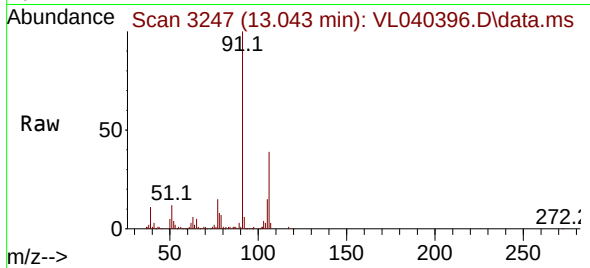
Tgt Ion: 91 Resp: 440197
Ion Ratio Lower Upper
91 100
106 47.4 34.7 52.1





#60
o-Xylene
Concen: 0.619 ppbv
RT: 13.043 min Scan# 31
Delta R.T. -0.023 min
Lab File: VL040396.D
Acq: 20 Apr 2023 8:33

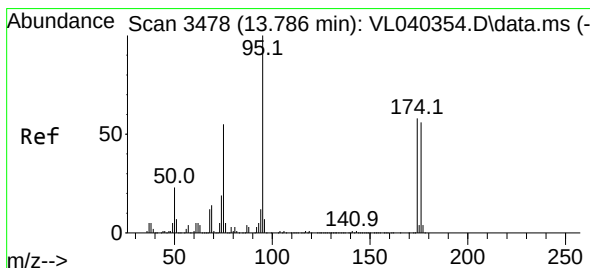
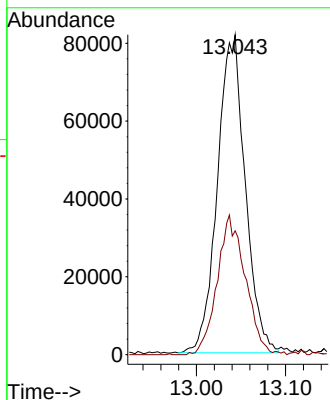
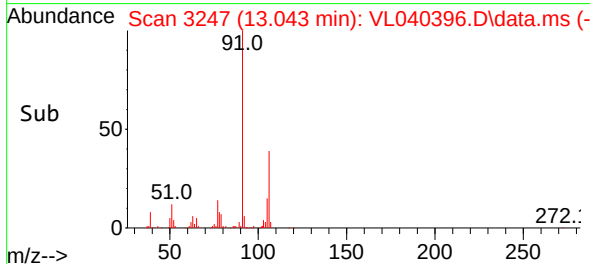
Instrument :
MSVOA_L
ClientSampleId :
SV-15-20230413



Tgt Ion: 91 Resp: 177270
Ion Ratio Lower Upper
91 100
106 45.2 21.9 65.8

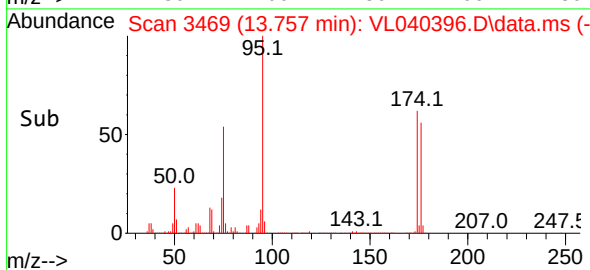
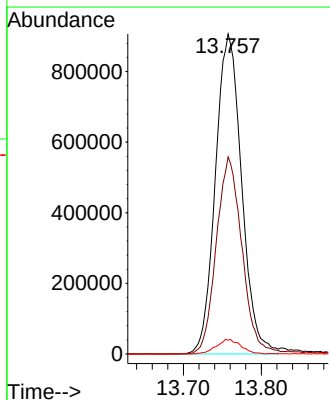
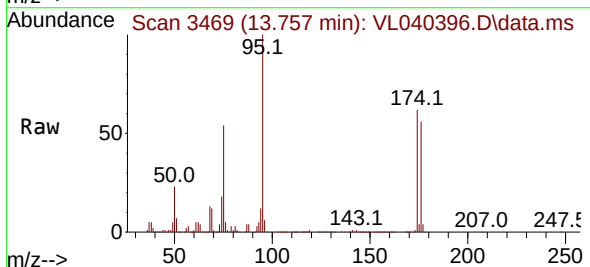
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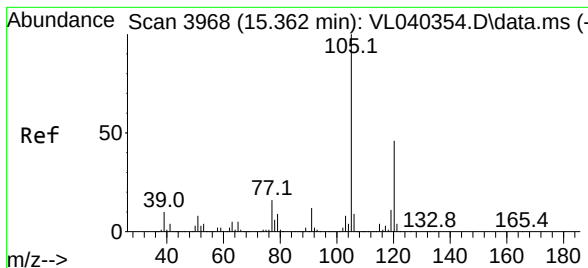
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.725 ppbv
RT: 13.757 min Scan# 3469
Delta R.T. -0.029 min
Lab File: VL040396.D
Acq: 20 Apr 2023 8:33

Tgt Ion: 95 Resp: 2120741
Ion Ratio Lower Upper
95 100
174 60.8 47.2 70.8
175 4.3 3.5 5.3





#73

1,3,5-Trimethylbenzene

Concen: 0.189 ppbv m

RT: 15.336 min Scan# 3960

Delta R.T. -0.026 min

Lab File: VL040396.D

Acq: 20 Apr 2023 8:33

Instrument :

MSVOA_L

ClientSampleId :

SV-15-20230413

Tgt Ion:105 Resp: 55272

Ion Ratio Lower Upper

105 100

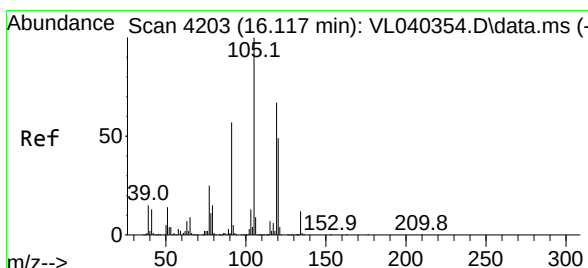
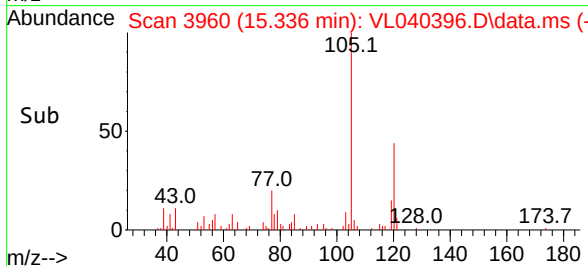
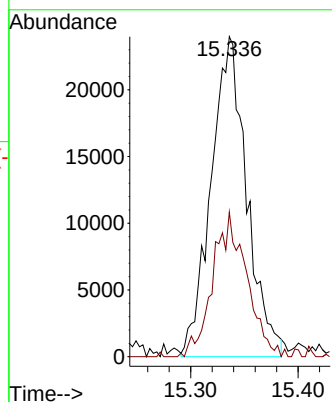
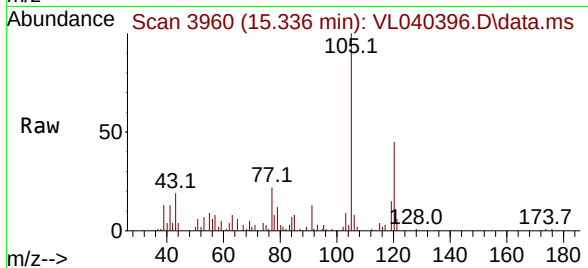
120 45.2 36.9 55.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/20/2023

Supervised By :Mahesh Dadoda 04/22/2023



#74

1,2,4-Trimethylbenzene

Concen: 0.576 ppbv

RT: 16.092 min Scan# 4195

Delta R.T. -0.025 min

Lab File: VL040396.D

Acq: 20 Apr 2023 8:33

Tgt Ion:105 Resp: 192254

Ion Ratio Lower Upper

105 100

120 38.3 38.9 58.3#

91 14.4 46.0 69.0#

77 14.6 20.0 30.0#

