

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071023\
 Data File : VL040521.D
 Acq On : 11 Jul 2023 00:40
 Operator : SY/MD
 Sample : 03535-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/11/2023
 Supervised By :Mahesh Dadoda 07/11/2023

Quant Time: Jul 11 02:11:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 11 2023
 QLast Update : Mon Jul 10 16:32:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1084329	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.651	114	2933736	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.465	117	2590807	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	2007878	9.792	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.900%
Target Compounds						
					Qvalue	
9) Propene	2.703	41	11877	0.202	ppbv	95
10) Heptane	7.584	43	55466	0.427	ppbv	100
15) Acetone	3.488	43	930254	7.453	ppbv #	78
17) tert-Butyl alcohol	3.877	59	1449523	11.228	ppbv	99
26) Hexane	5.211	57	185529	1.681	ppbv #	40
28) Methyl tert-Butyl Ether	4.597	73	12800m	0.144	ppbv	
34) 2-Butanone	4.796	43	63502	0.438	ppbv	95
36) Benzene	6.369	78	73432m	0.311	ppbv	
44) 2,2,4-Trimethylpentane	7.330	57	122947m	0.324	ppbv	
52) Tetrachloroethene	10.619	164	38491m	0.504	ppbv	
53) Toluene	9.220	91	87674	0.342	ppbv	98
58) Ethyl Benzene	12.085	91	12677m	0.039	ppbv	
59) m/p-Xylene	12.346	91	55600m	0.192	ppbv	
60) o-Xylene	13.056	91	25138m	0.091	ppbv	

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

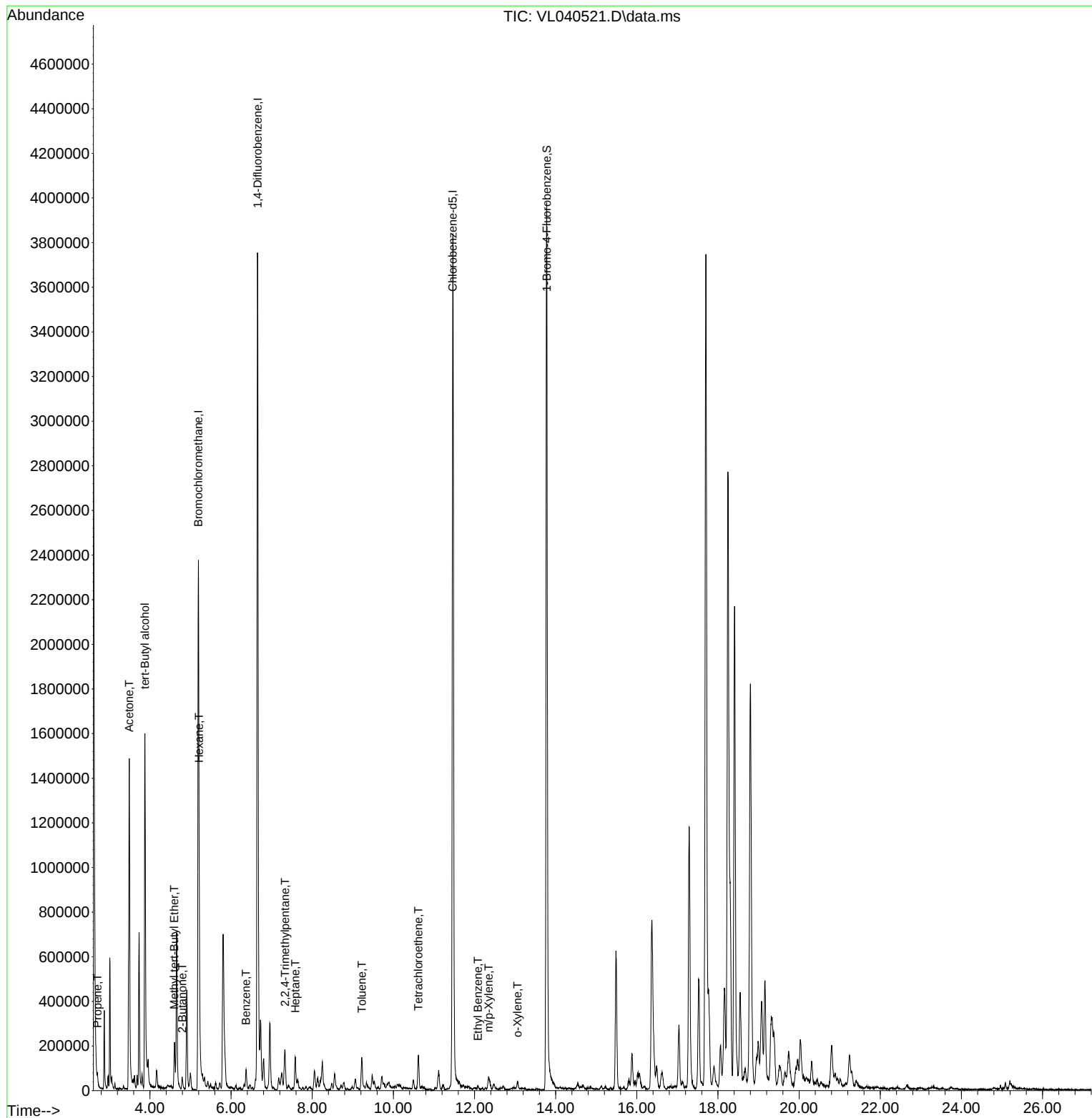
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071023\
Data File : VL040521.D
Acq On : 11 Jul 2023 00:40
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Sample : 03535-01DL 20X
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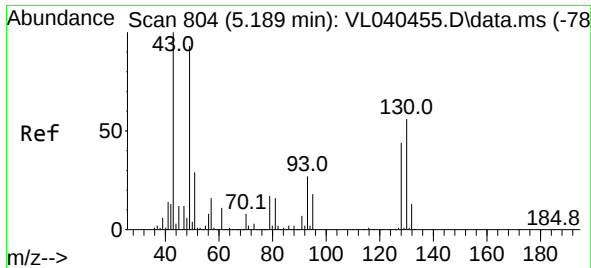
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Quant Time: Jul 11 02:11:42 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Jul 10 16:32:00 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

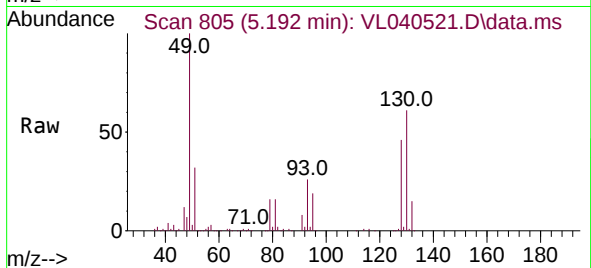
Reviewed By : Semsettin Yesilyurt 07/11/2023
Supervised By : Mahesh Dadoda 07/11/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 804
Delta R.T. -0.010 min
Lab File: VL040521.D
Acq: 11 Jul 2023 00:40

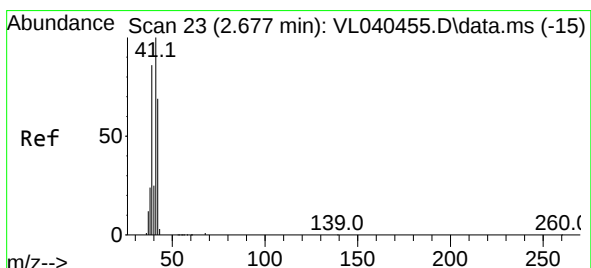
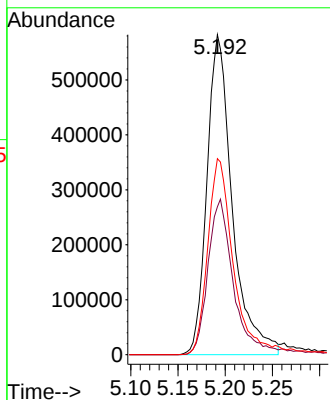
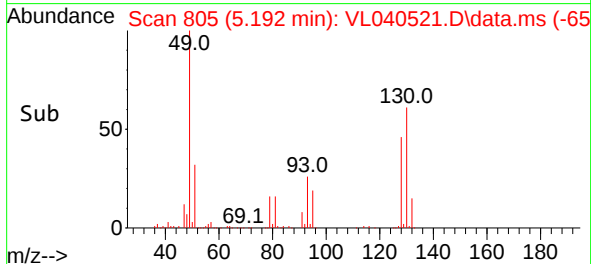
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 49 Resp: 1084329
Ion Ratio Lower Upper
49 100
128 50.6 25.1 75.4
130 64.5 31.6 94.7

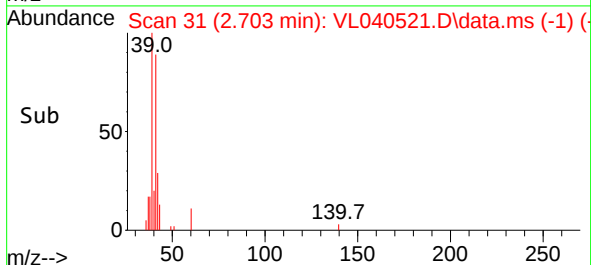
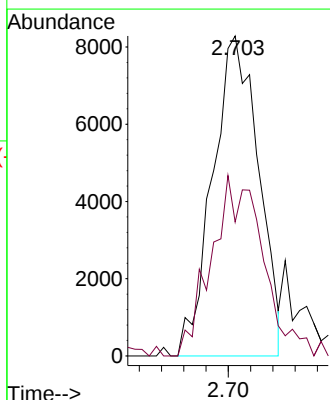
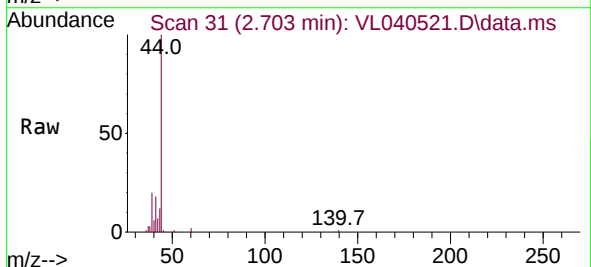
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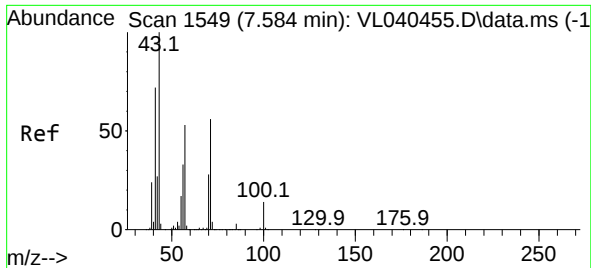
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#9
Propene
Concen: 0.202 ppbv
RT: 2.703 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL040521.D
Acq: 11 Jul 2023 00:40

Tgt Ion: 41 Resp: 11877
Ion Ratio Lower Upper
41 100
42 64.4 55.0 82.6





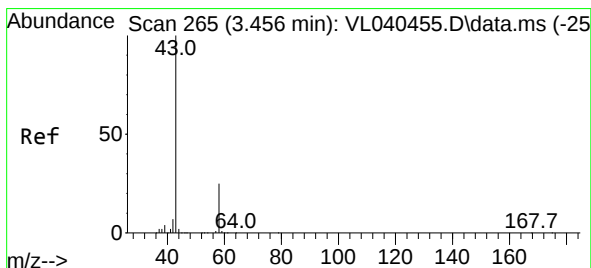
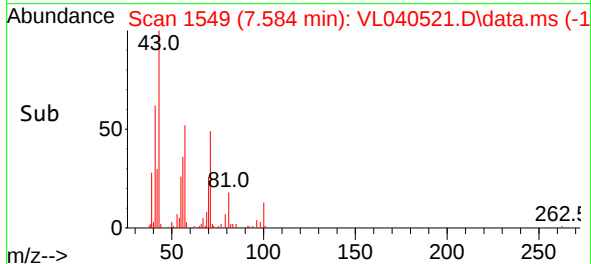
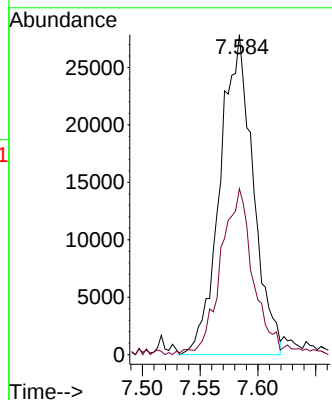
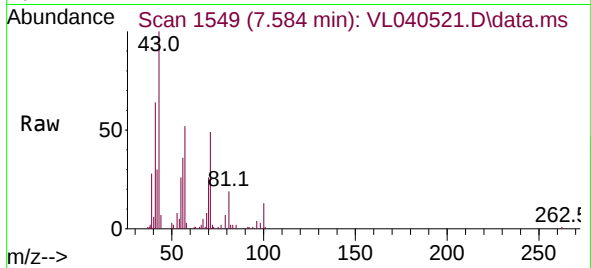
#10
Heptane
Concen: 0.427 ppbv
RT: 7.584 min Scan# 11
Delta R.T. -0.007 min
Lab File: VL040521.D
Acq: 11 Jul 2023 00:40

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 43 Resp: 55460
Ion Ratio Lower Upper
43 100
57 53.2 42.5 63.7

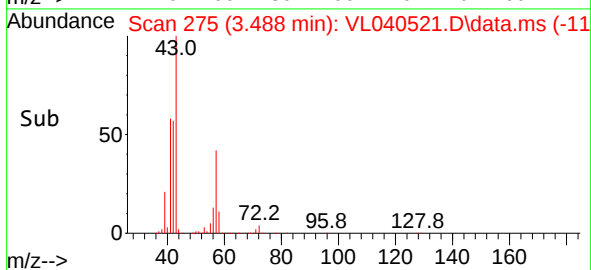
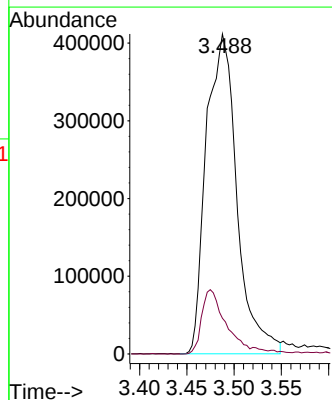
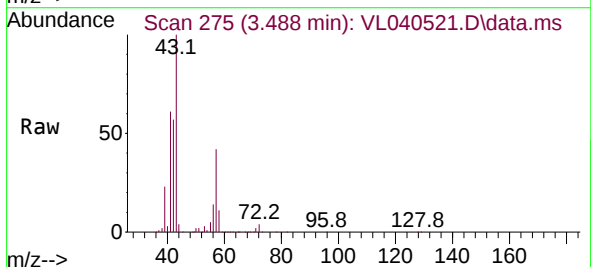
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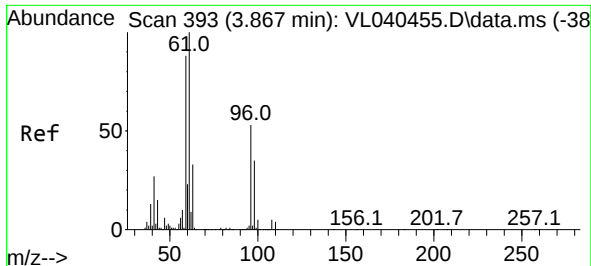
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#15
Acetone
Concen: 7.453 ppbv
RT: 3.488 min Scan# 275
Delta R.T. 0.013 min
Lab File: VL040521.D
Acq: 11 Jul 2023 00:40

Tgt Ion: 43 Resp: 930254
Ion Ratio Lower Upper
43 100
58 16.9 22.9 34.3#





#17

tert-Butyl alcohol

Concen: 11.228 ppbv

RT: 3.877 min Scan# 393

Delta R.T. -0.007 min

Lab File: VL040521.D

Acq: 11 Jul 2023 00:40

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion: 59 Resp: 144952

Ion Ratio Lower Upper

59 100

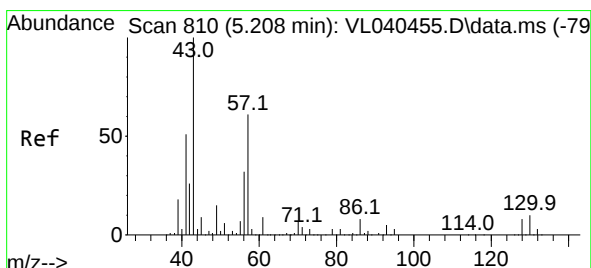
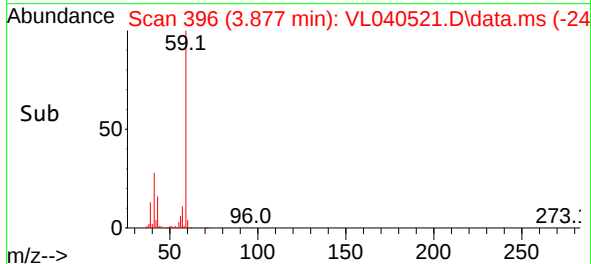
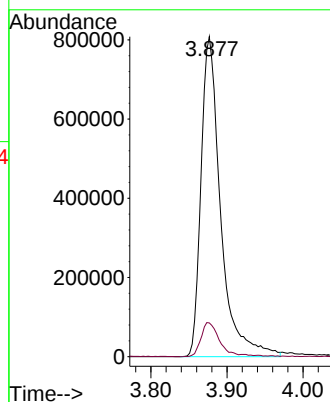
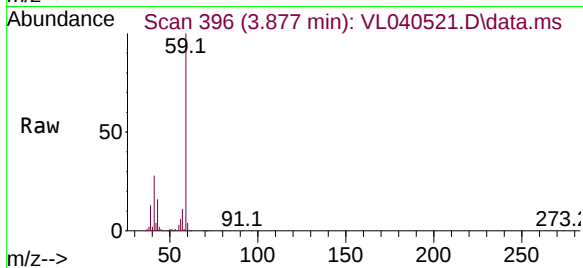
57 10.6 8.7 13.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/11/2023

Supervised By :Mahesh Dadoda 07/11/2023



#26

Hexane

Concen: 1.681 ppbv

RT: 5.211 min Scan# 811

Delta R.T. -0.010 min

Lab File: VL040521.D

Acq: 11 Jul 2023 00:40

Tgt Ion: 57 Resp: 185529

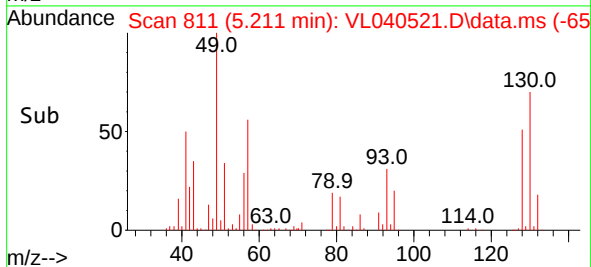
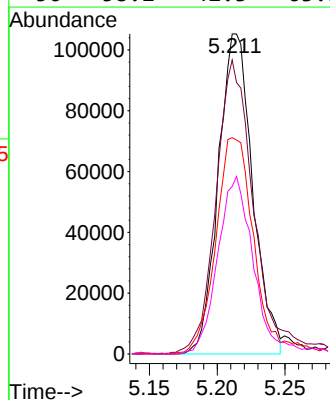
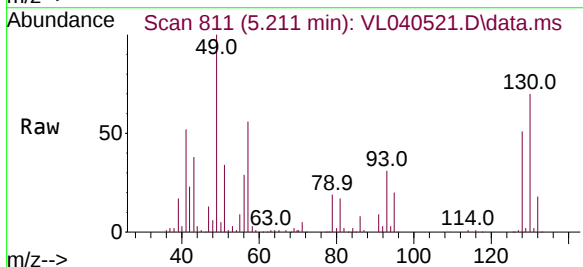
Ion Ratio Lower Upper

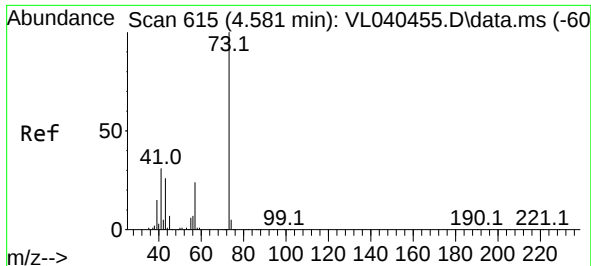
57 100

41 102.0 69.5 104.3

43 75.6 177.1 265.7#

56 58.2 42.3 63.5





#28

Methyl tert-Butyl Ether

Concen: 0.144 ppbv m

RT: 4.597 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL040521.D

Acq: 11 Jul 2023 00:40

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion: 73 Resp: 12800

Ion Ratio Lower Upper

73 100

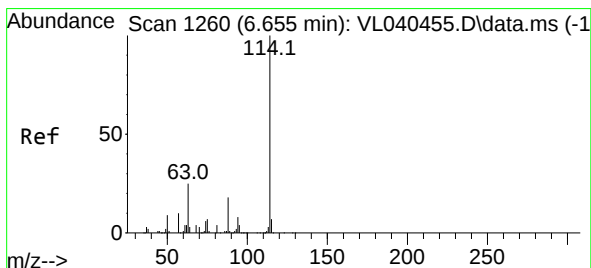
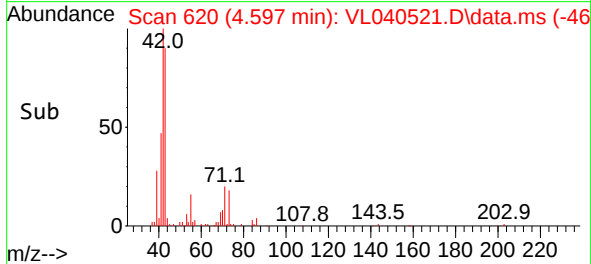
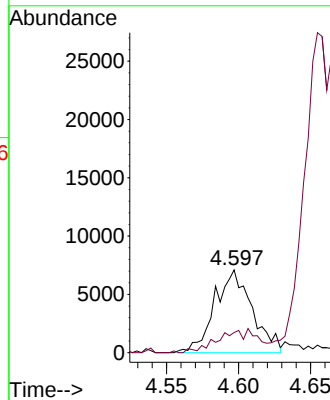
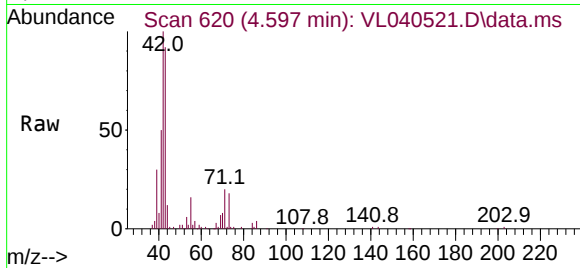
57 0.0 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/11/2023

Supervised By :Mahesh Dadoda 07/11/2023



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.651 min Scan# 1259

Delta R.T. -0.013 min

Lab File: VL040521.D

Acq: 11 Jul 2023 00:40

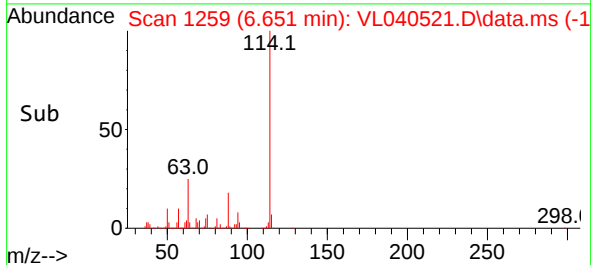
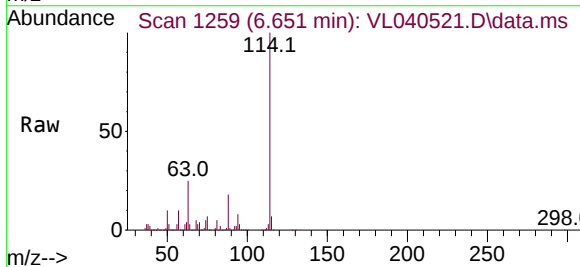
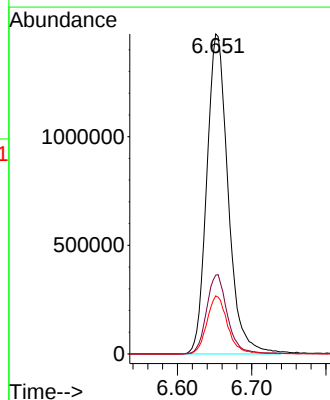
Tgt Ion:114 Resp: 2933736

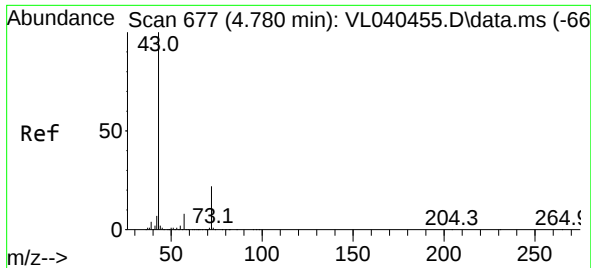
Ion Ratio Lower Upper

114 100

63 24.5 19.6 29.4

88 17.7 14.2 21.2





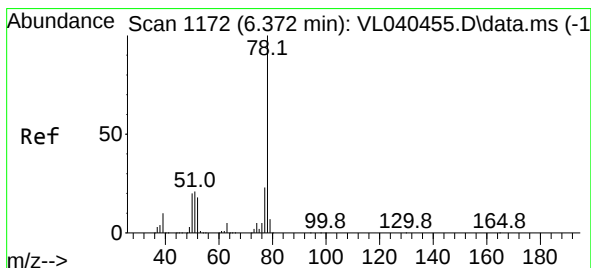
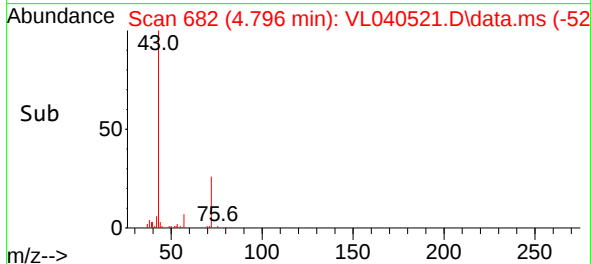
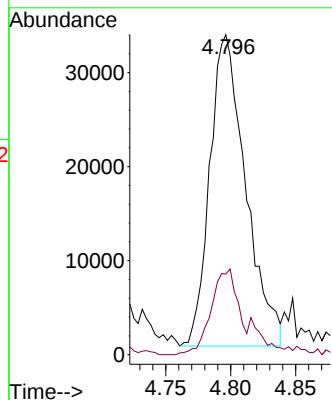
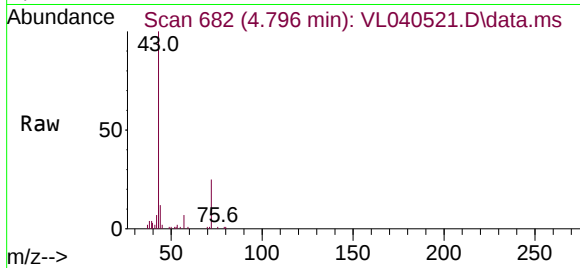
#34
2-Butanone
Concen: 0.438 ppbv
RT: 4.796 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL040521.D
Acq: 11 Jul 2023 00:40

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 43 Resp: 63502
Ion Ratio Lower Upper
43 100
72 26.5 19.1 28.7

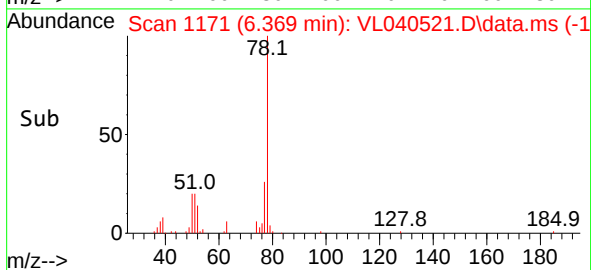
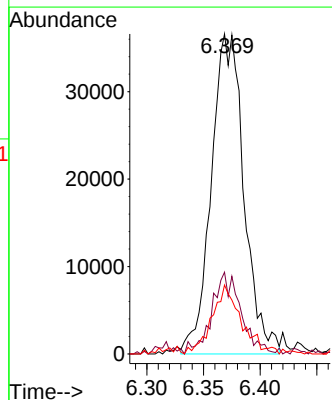
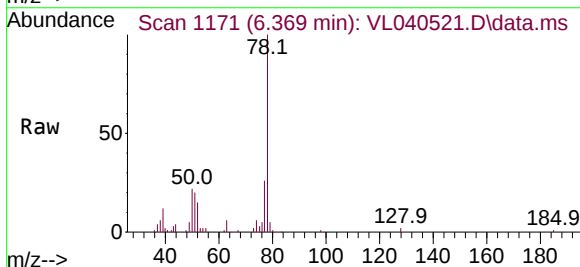
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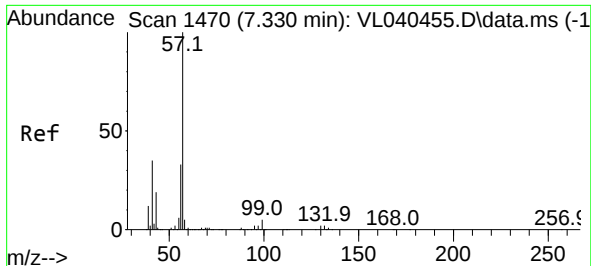
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#36
Benzene
Concen: 0.311 ppbv m
RT: 6.369 min Scan# 1171
Delta R.T. -0.013 min
Lab File: VL040521.D
Acq: 11 Jul 2023 00:40

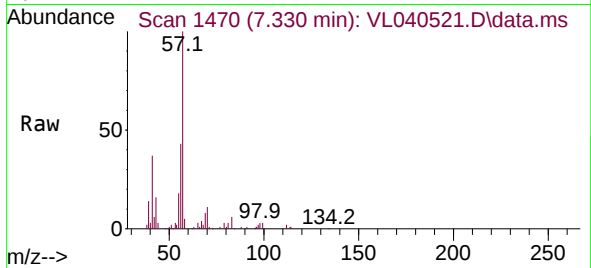
Tgt Ion: 78 Resp: 73432
Ion Ratio Lower Upper
78 100
77 25.5 17.4 26.0
50 21.6 14.4 21.6





#44
2,2,4-Trimethylpentane
Concen: 0.324 ppbv m
RT: 7.330 min Scan# 1470
Delta R.T. -0.007 min
Lab File: VL040521.D
Acq: 11 Jul 2023 00:40

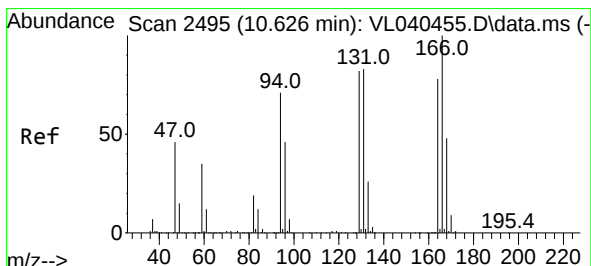
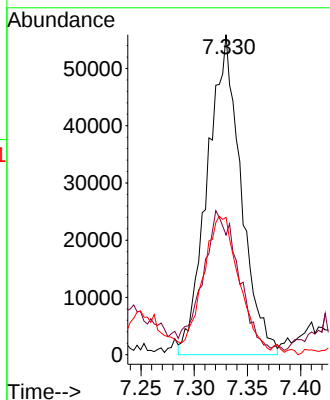
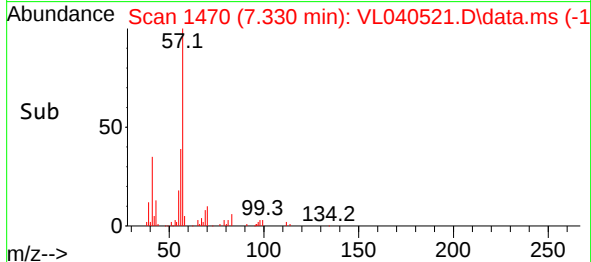
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 57 Resp: 12294
Ion Ratio Lower Upper
57 100
41 49.2 25.5 38.3
56 48.4 25.1 37.7

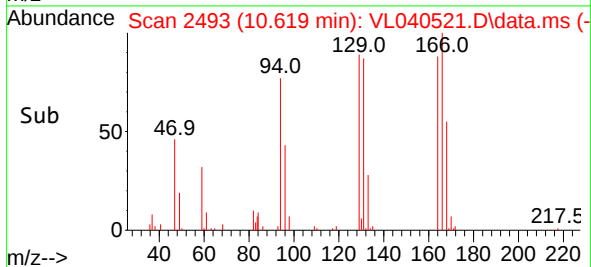
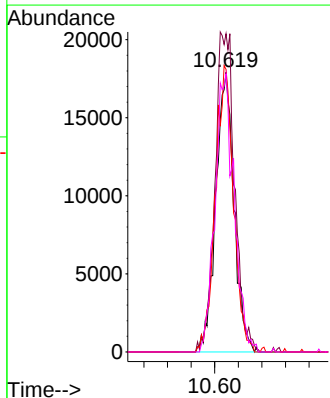
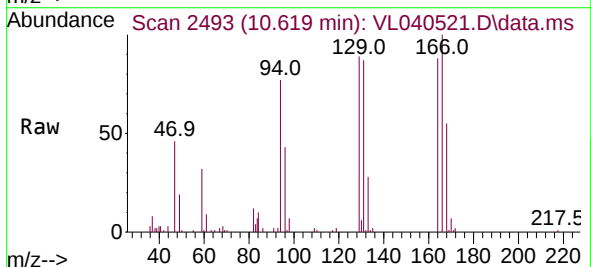
Manual Integrations
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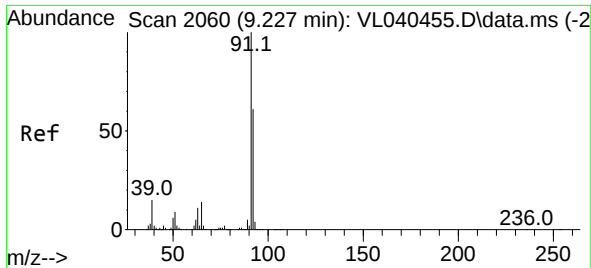
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#52
Tetrachloroethene
Concen: 0.504 ppbv m
RT: 10.619 min Scan# 2493
Delta R.T. -0.007 min
Lab File: VL040521.D
Acq: 11 Jul 2023 00:40

Tgt Ion:164 Resp: 38491
Ion Ratio Lower Upper
164 100
166 113.8 103.9 155.9
129 101.0 84.6 126.8
131 99.5 82.9 124.3





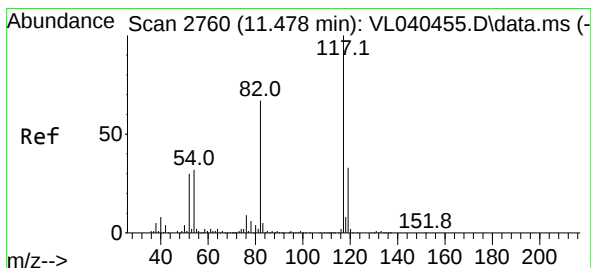
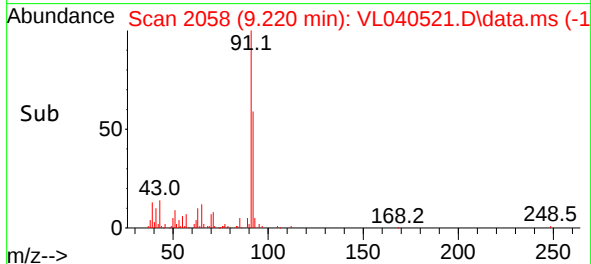
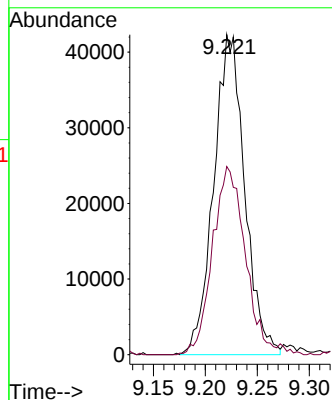
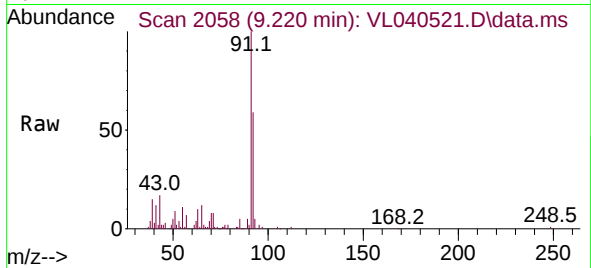
#53
Toluene
Concen: 0.342 ppbv
RT: 9.220 min Scan# 2060
Delta R.T. -0.010 min
Lab File: VL040521.D
Acq: 11 Jul 2023 00:40

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 91 Resp: 87674
Ion Ratio Lower Upper
91 100
92 62.6 49.1 73.7

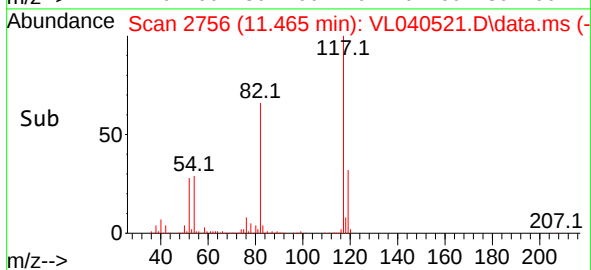
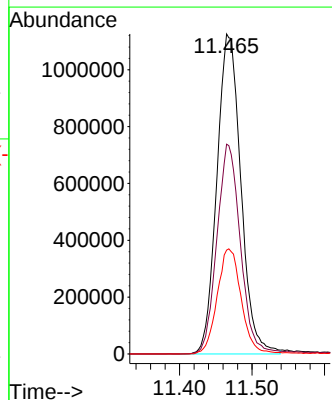
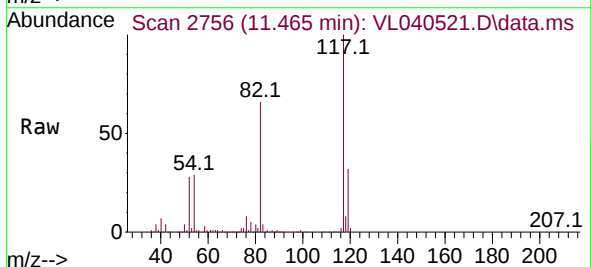
Manual Integrations
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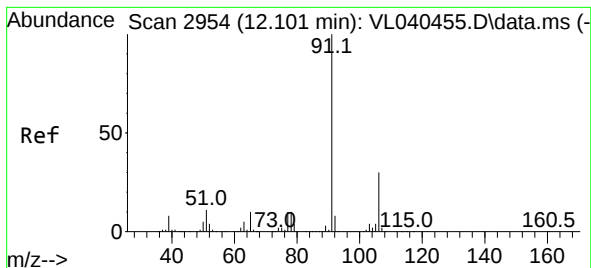
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 2756
Delta R.T. -0.013 min
Lab File: VL040521.D
Acq: 11 Jul 2023 00:40

Tgt Ion:117 Resp: 2590807
Ion Ratio Lower Upper
117 100
82 65.0 50.2 75.4
119 33.2 26.9 40.3





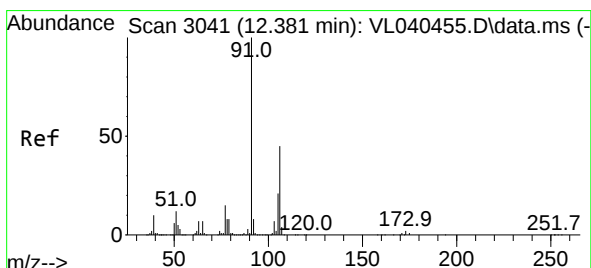
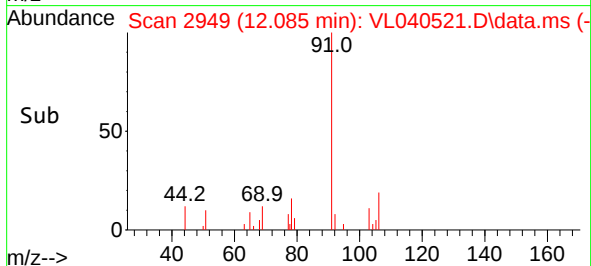
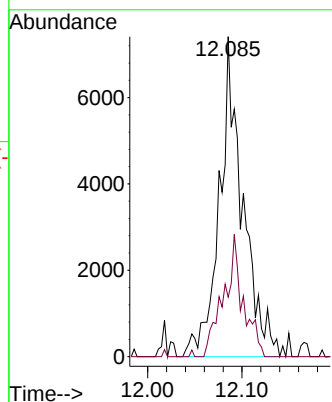
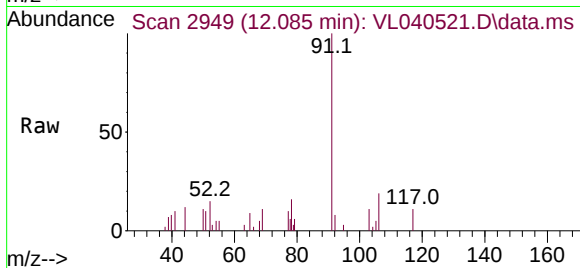
#58
Ethyl Benzene
Concen: 0.039 ppbv m
RT: 12.085 min Scan# 2954
Delta R.T. -0.016 min
Lab File: VL040521.D
Acq: 11 Jul 2023 00:40

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 91 Resp: 1267
Ion Ratio Lower Upper
91 100
106 18.6 25.4 38.0

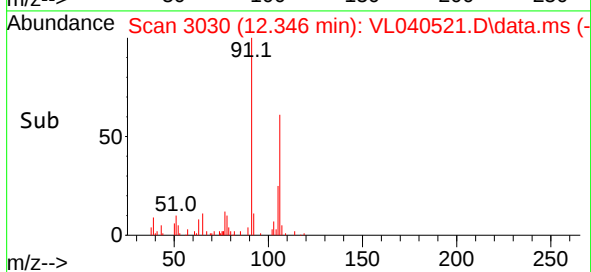
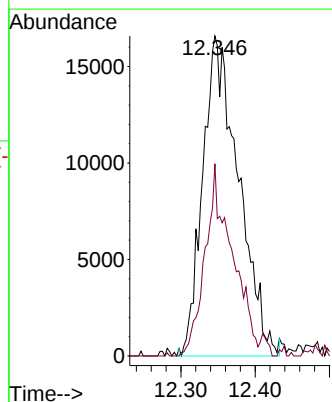
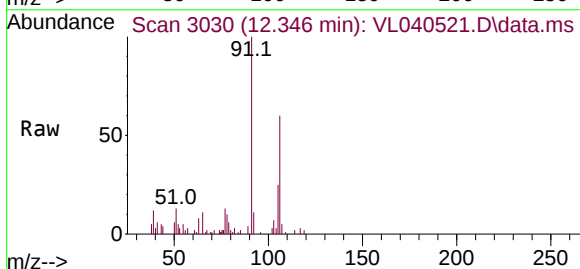
Manual Integrations
APPROVED

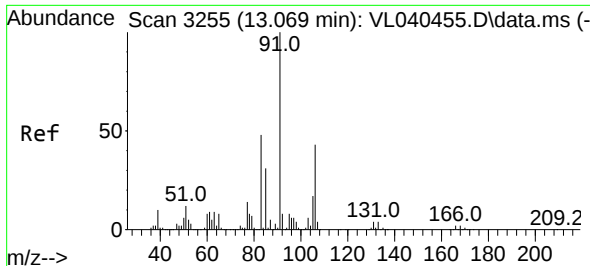
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#59
m/p-Xylene
Concen: 0.192 ppbv m
RT: 12.346 min Scan# 3030
Delta R.T. -0.039 min
Lab File: VL040521.D
Acq: 11 Jul 2023 00:40

Tgt Ion: 91 Resp: 55600
Ion Ratio Lower Upper
91 100
106 0.0 35.9 53.9





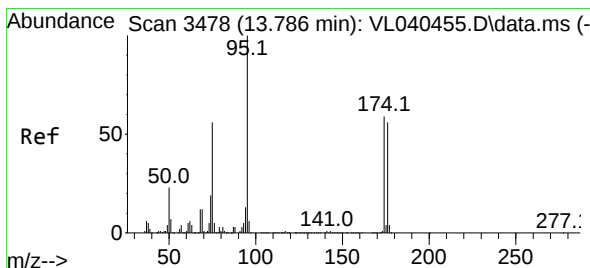
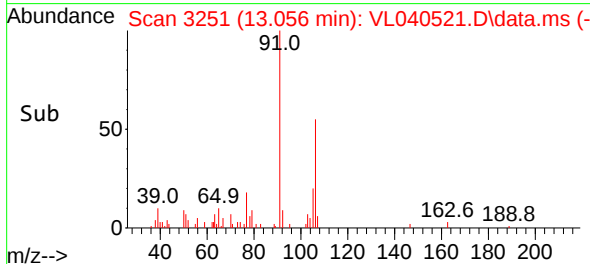
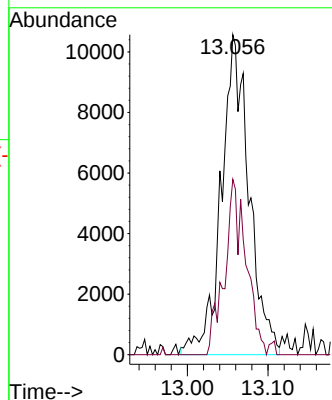
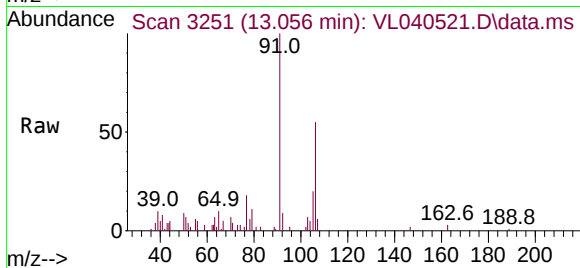
#60
o-Xylene
Concen: 0.091 ppbv m
RT: 13.056 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL040521.D
Acq: 11 Jul 2023 00:40

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 91 Resp: 25138
Ion Ratio Lower Upper
91 100
106 43.6 22.7 68.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.792 ppbv
RT: 13.780 min Scan# 3476
Delta R.T. -0.003 min
Lab File: VL040521.D
Acq: 11 Jul 2023 00:40

Tgt Ion: 95 Resp: 2007878
Ion Ratio Lower Upper
95 100
174 62.7 50.6 75.8
175 4.4 3.7 5.5

