

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011923\
 Data File : VL040122.D
 Acq On : 19 Jan 2023 20:44
 Operator : SY/MD
 Sample : 01223-02DLDUP 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-2DLDUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/20/2023
 Supervised By :Mahesh Dadoda 01/20/2023

Quant Time: Jan 20 02:10:00 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M

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

QLast Update : Mon Jan 16 14:40:47 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	978272	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.671	114	2706278	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.497	117	2491581	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.806	95	2052902	9.914	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.100%
Target Compounds						Qvalue
10) Heptane	7.603	43	37142m	0.331	ppbv	
13) Ethanol	3.243	45	165022	36.777	ppbv	100
15) Acetone	3.468	43	1692697m	14.428	ppbv	
25) Ethyl Acetate	5.224	43	110488	0.535	ppbv	96
30) Cyclohexane	6.619	84	207092	2.880	ppbv	91
34) 2-Butanone	4.796	43	769074	6.008	ppbv	100
36) Benzene	6.391	78	46482m	0.232	ppbv	
41) Tetrahydrofuran	5.584	42	136499	1.847	ppbv	95
44) 2,2,4-Trimethylpentane	7.349	57	4065635	12.207	ppbv #	75
52) Tetrachloroethene	10.642	164	8192m	0.125	ppbv	
53) Toluene	9.250	91	212352	0.994	ppbv	99
58) Ethyl Benzene	12.114	91	90653	0.326	ppbv #	88
59) m/p-Xylene	12.372	91	210281m	0.841	ppbv	
60) o-Xylene	13.082	91	94959m	0.400	ppbv	
74) 1,2,4-Trimethylbenzene	16.137	105	67648m	0.258	ppbv	

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

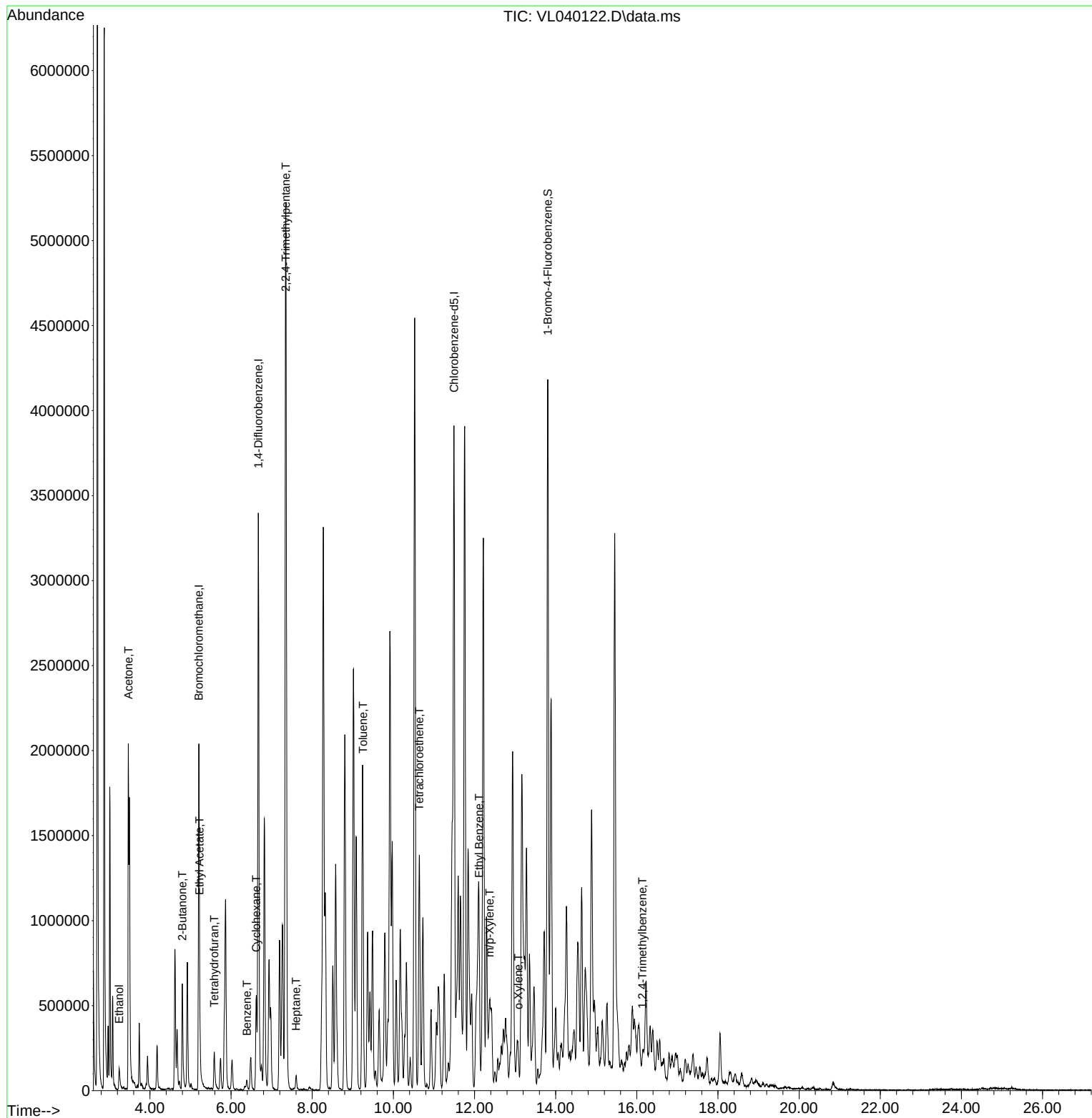
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011923\
Data File : VL040122.D
Acq On : 19 Jan 2023 20:44
Operator : SY/MD
Sample : 01223-02DLDUP 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

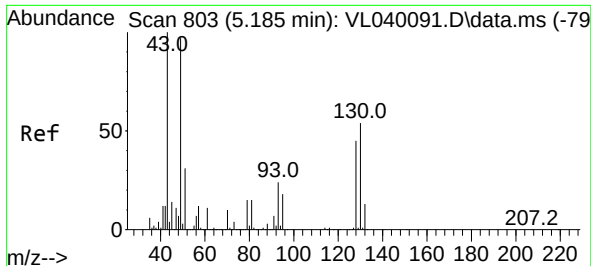
Instrument :
MSVOA_L
ClientSampleId :
VP-2DLDUP

Quant Time: Jan 20 02:10:00 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Jan 16 14:40:47 2023
Response via : Initial Calibration

Manual Integrations
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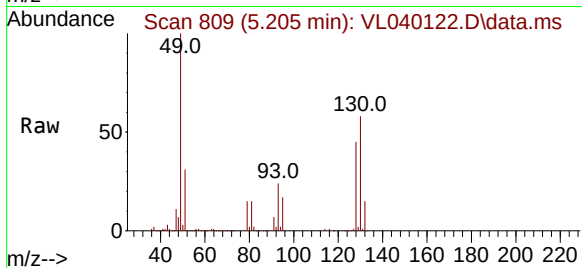
Reviewed By : Semsettin Yesilyurt 01/20/2023
Supervised By : Mahesh Dadoda 01/20/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.205 min Scan# 803
Delta R.T. 0.020 min
Lab File: VL040122.D
Acq: 19 Jan 2023 20:44

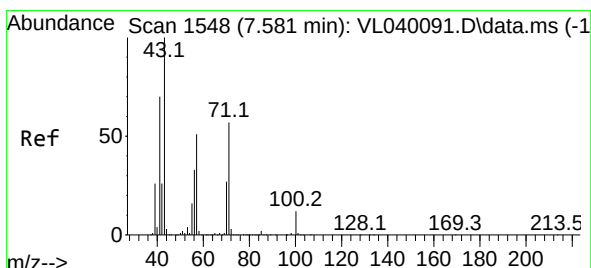
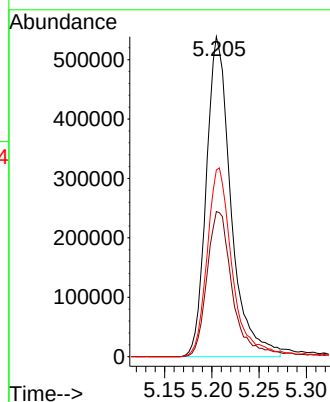
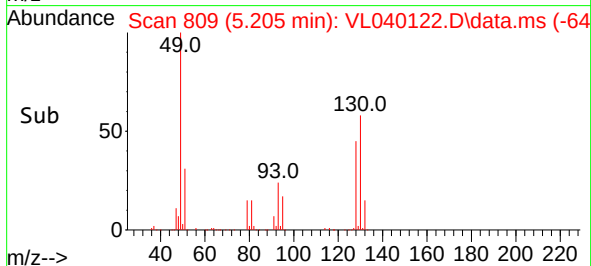
Instrument :
MSVOA_L
ClientSampleId :
VP-2DLDUP



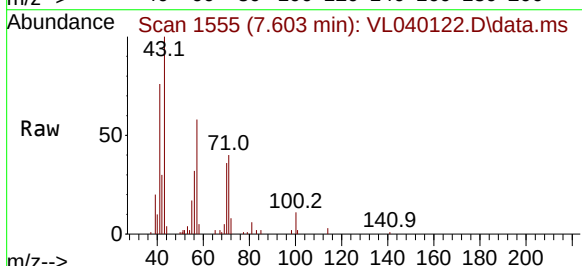
Tgt Ion: 49 Resp: 978272
Ion Ratio Lower Upper
49 100
128 48.2 23.6 71.0
130 62.1 29.8 89.3

Manual Integrations
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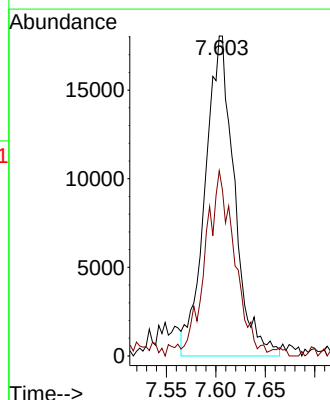
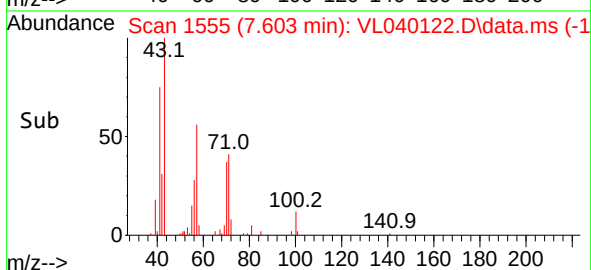
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

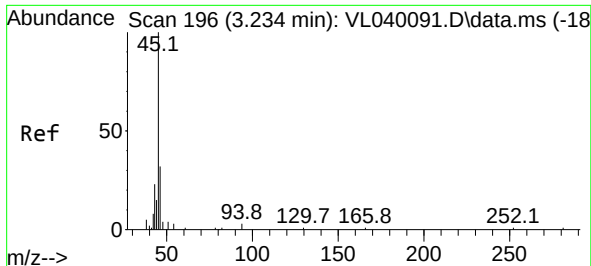


#10
Heptane
Concen: 0.331 ppbv m
RT: 7.603 min Scan# 1555
Delta R.T. 0.023 min
Lab File: VL040122.D
Acq: 19 Jan 2023 20:44



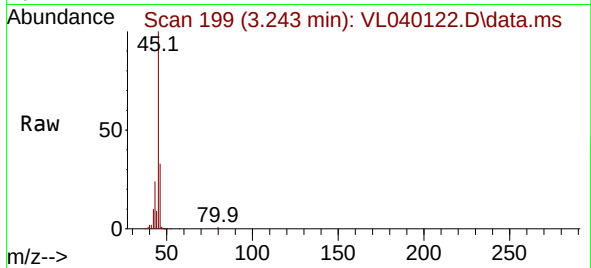
Tgt Ion: 43 Resp: 37142
Ion Ratio Lower Upper
43 100
57 0.0 40.9 61.3#





#13
Ethanol
Concen: 36.777 ppbv
RT: 3.243 min Scan# 196
Delta R.T. 0.010 min
Lab File: VL040122.D
Acq: 19 Jan 2023 20:44

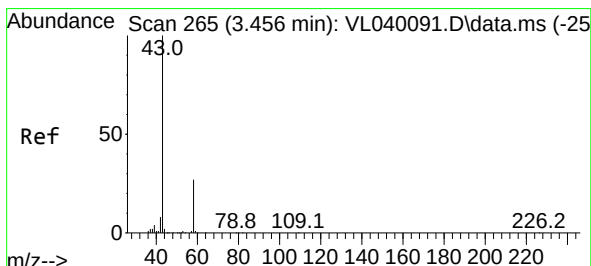
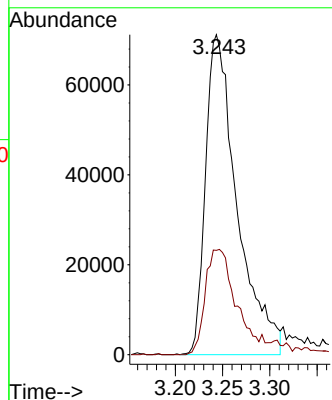
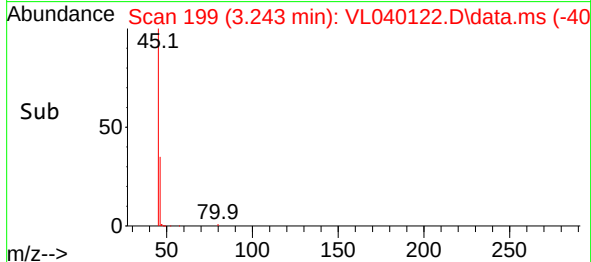
Instrument :
MSVOA_L
ClientSampleId :
VP-2DLDUP



Tgt Ion: 45 Resp: 16502
Ion Ratio Lower Upper
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46 37.2 14.8 59.2

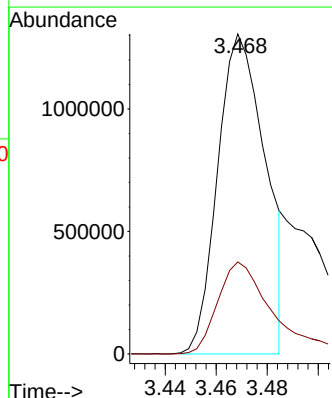
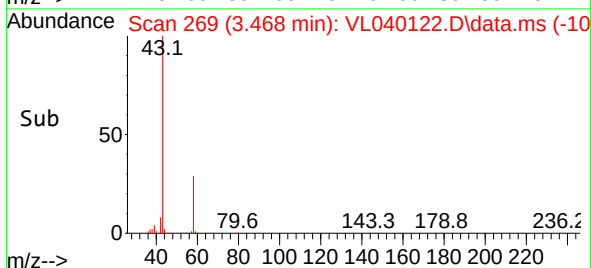
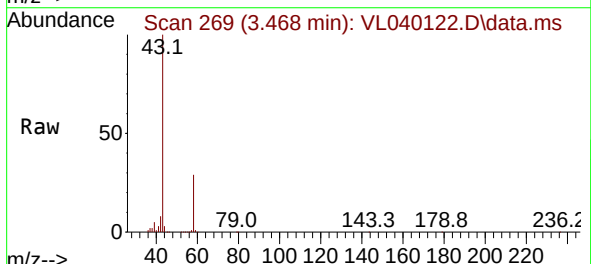
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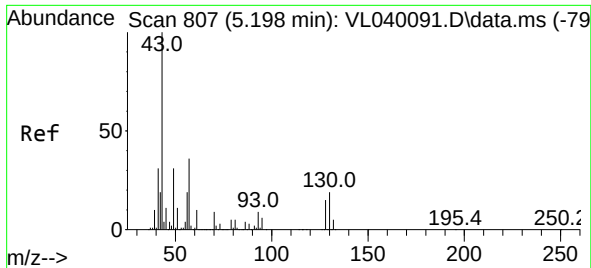
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#15
Acetone
Concen: 14.428 ppbv m
RT: 3.468 min Scan# 269
Delta R.T. 0.013 min
Lab File: VL040122.D
Acq: 19 Jan 2023 20:44

Tgt Ion: 43 Resp: 1692697
Ion Ratio Lower Upper
43 100
58 36.3 21.8 32.8#





#25

Ethyl Acetate

Concen: 0.535 ppbv

RT: 5.224 min Scan# 815

Delta R.T. 0.026 min

Lab File: VL040122.D

Acq: 19 Jan 2023 20:44

Instrument :

MSVOA_L

ClientSampleId :

VP-2DLDUP

Tgt Ion: 43 Resp: 110488

Ion Ratio Lower Upper

43 100

45 8.8 8.5 12.7

61 8.4 8.4 12.6

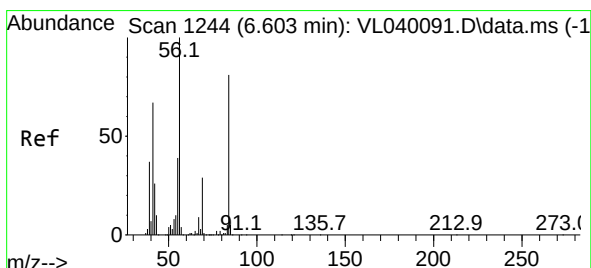
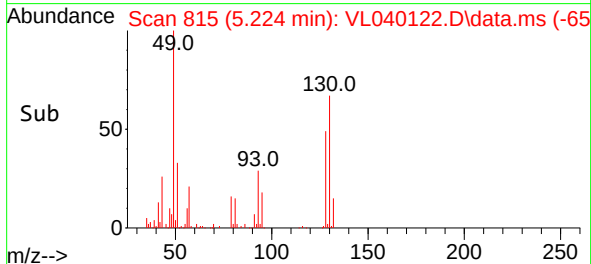
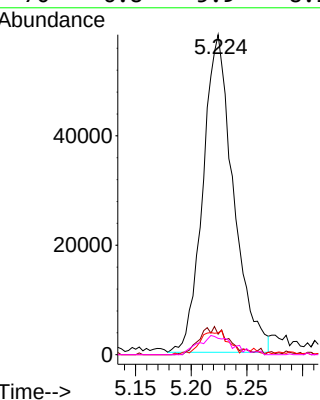
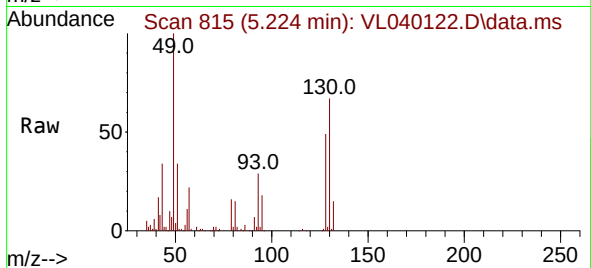
70 6.8 5.9 8.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#30

Cyclohexane

Concen: 2.880 ppbv

RT: 6.619 min Scan# 1249

Delta R.T. 0.016 min

Lab File: VL040122.D

Acq: 19 Jan 2023 20:44

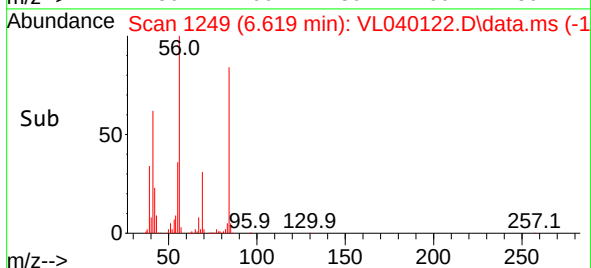
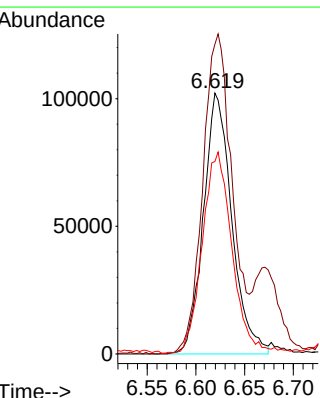
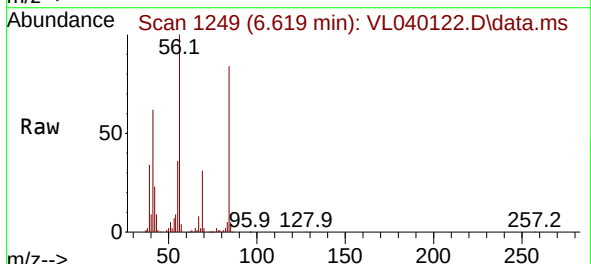
Tgt Ion: 84 Resp: 207092

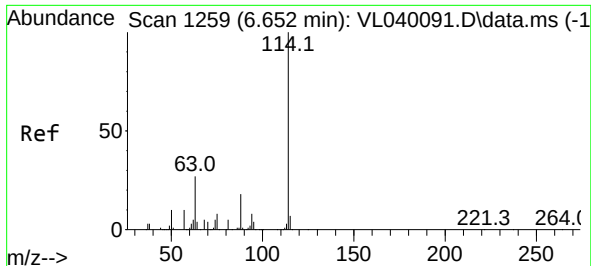
Ion Ratio Lower Upper

84 100

56 128.9 111.5 167.3

41 80.6 71.4 107.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.671 min Scan# 114

Delta R.T. 0.019 min

Lab File: VL040122.D

Acq: 19 Jan 2023 20:44

Instrument :

MSVOA_L

ClientSampleId :

VP-2DLDUP

Tgt Ion:114 Resp: 2706278

Ion Ratio Lower Upper

114 100

63 24.4 21.8 32.8

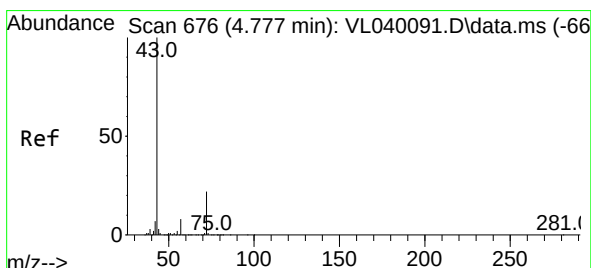
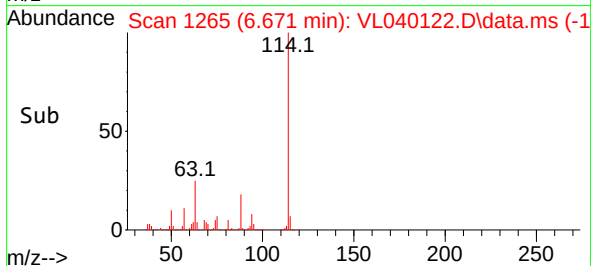
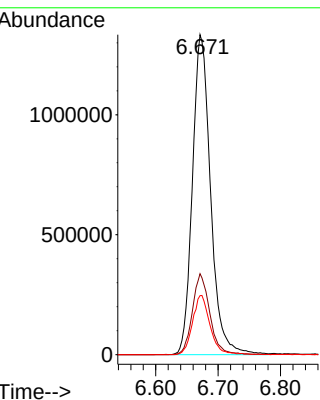
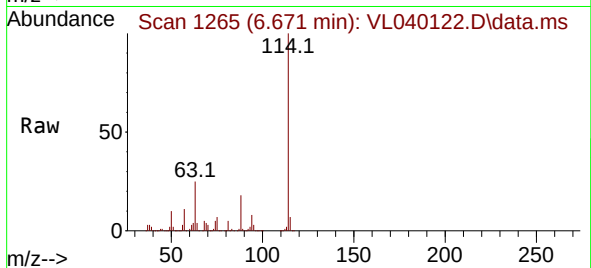
88 17.9 14.8 22.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#34

2-Butanone

Concen: 6.008 ppbv

RT: 4.796 min Scan# 682

Delta R.T. 0.019 min

Lab File: VL040122.D

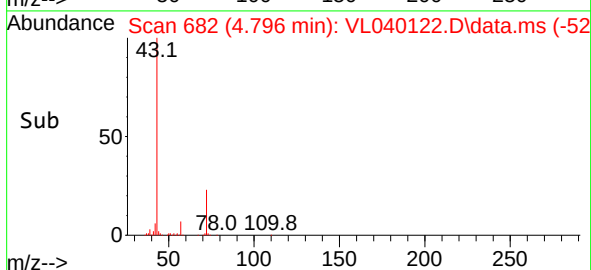
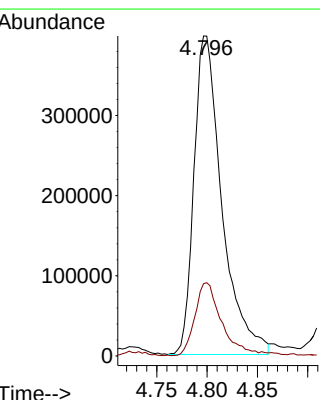
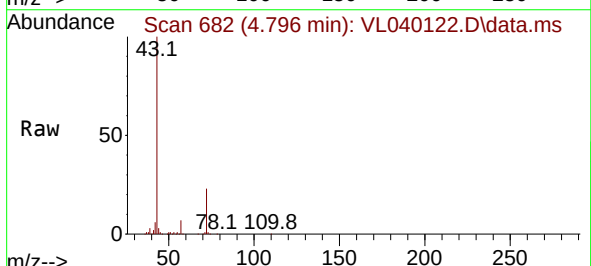
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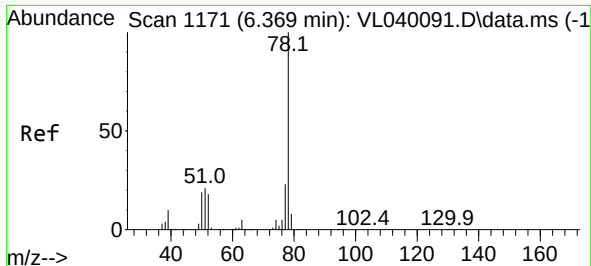
Tgt Ion: 43 Resp: 769074

Ion Ratio Lower Upper

43 100

72 22.9 18.4 27.6





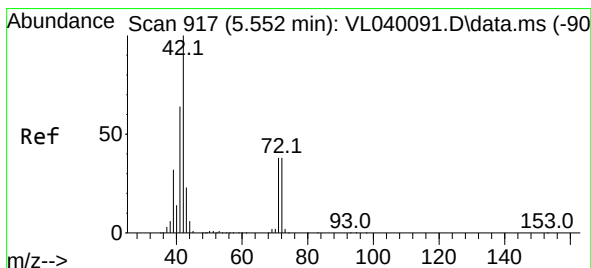
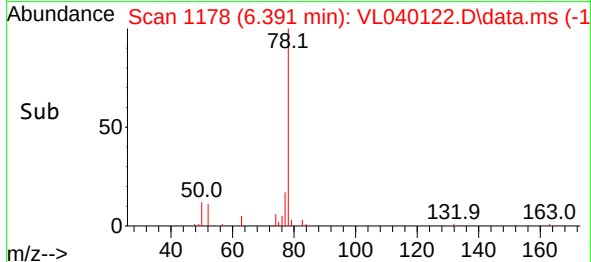
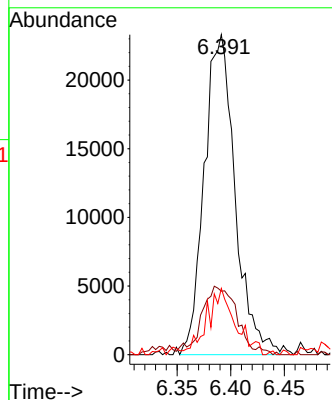
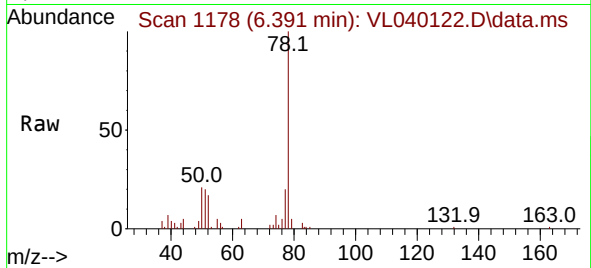
#36
Benzene
Concen: 0.232 ppbv m
RT: 6.391 min Scan# 1171
Delta R.T. 0.023 min
Lab File: VL040122.D
Acq: 19 Jan 2023 20:44

Instrument :
MSVOA_L
ClientSampleId :
VP-2DLDUP

Tgt Ion: 78 Resp: 4648
Ion Ratio Lower Upper
78 100
77 19.8 18.1 27.1
50 20.7 15.6 23.4

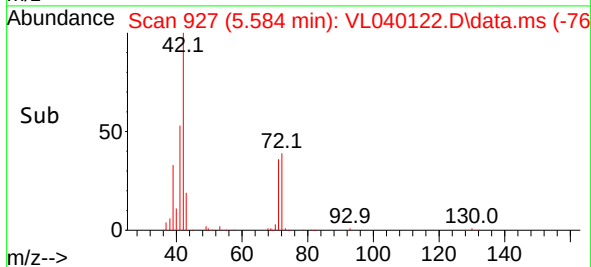
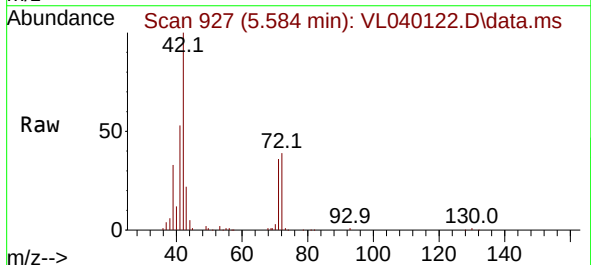
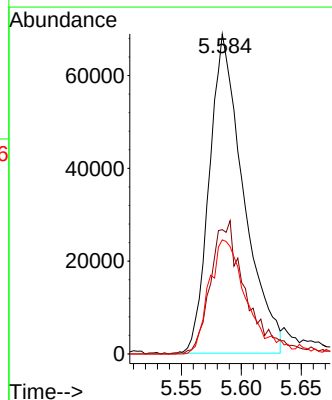
Manual Integrations
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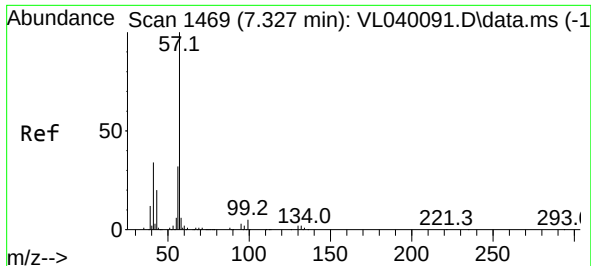
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#41
Tetrahydrofuran
Concen: 1.847 ppbv
RT: 5.584 min Scan# 927
Delta R.T. 0.032 min
Lab File: VL040122.D
Acq: 19 Jan 2023 20:44

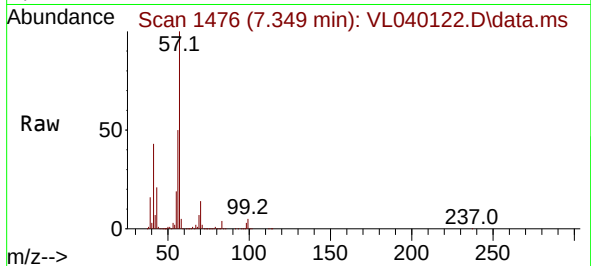
Tgt Ion: 42 Resp: 136499
Ion Ratio Lower Upper
42 100
72 44.1 31.9 47.9
71 40.7 31.4 47.2





#44
2,2,4-Trimethylpentane
Concen: 12.207 ppbv
RT: 7.349 min Scan# 1469
Delta R.T. 0.023 min
Lab File: VL040122.D
Acq: 19 Jan 2023 20:44

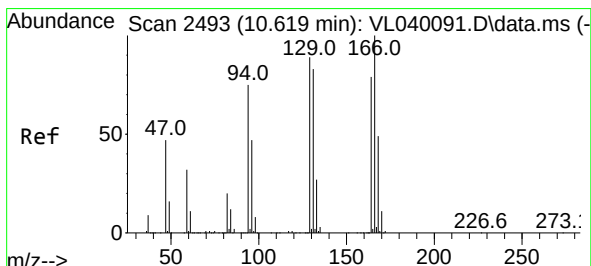
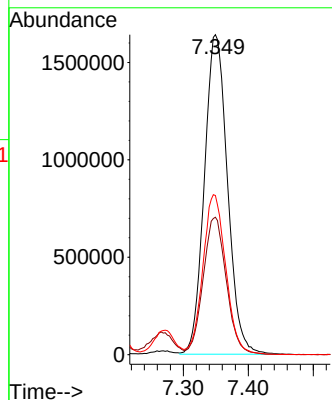
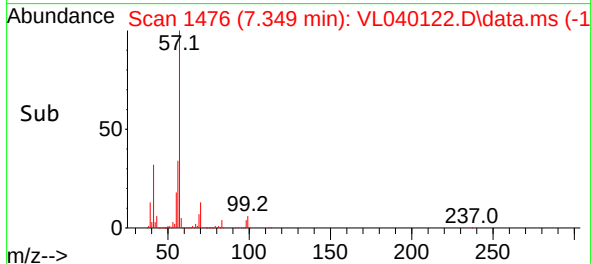
Instrument :
MSVOA_L
ClientSampleId :
VP-2DLDUP



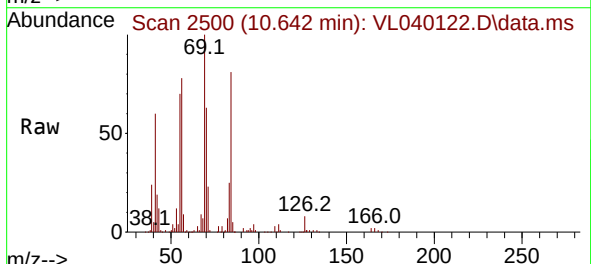
Tgt Ion: 57 Resp: 406563
Ion Ratio Lower Upper
57 100
41 43.3 27.1 40.7
56 49.8 25.0 37.4

Manual Integrations
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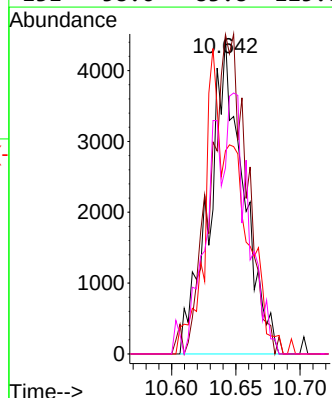
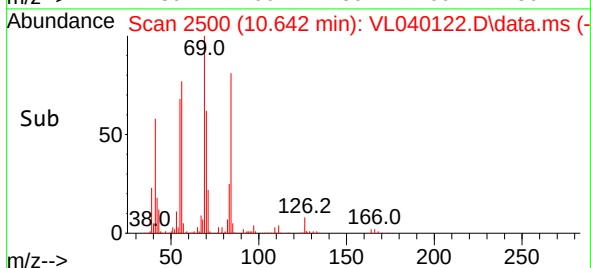
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Supervised By :Mahesh Dadoda 01/20/2023

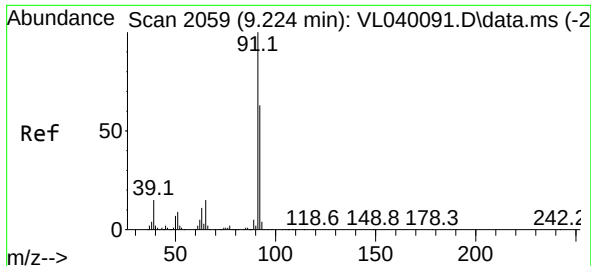


#52
Tetrachloroethene
Concen: 0.125 ppbv m
RT: 10.642 min Scan# 2500
Delta R.T. 0.023 min
Lab File: VL040122.D
Acq: 19 Jan 2023 20:44



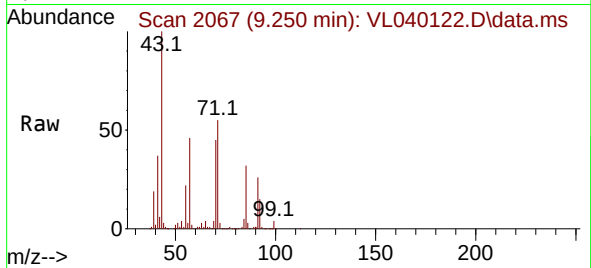
Tgt Ion:164 Resp: 8192
Ion Ratio Lower Upper
164 100
166 100.6 101.2 151.8#
129 64.0 90.2 135.2#
131 58.6 83.8 125.8#





#53
Toluene
Concen: 0.994 ppbv
RT: 9.250 min Scan# 2059
Delta R.T. 0.026 min
Lab File: VL040122.D
Acq: 19 Jan 2023 20:44

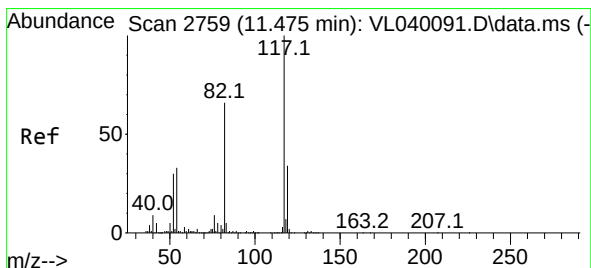
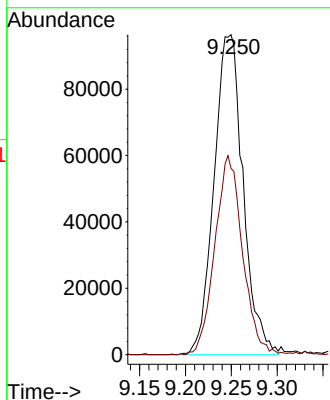
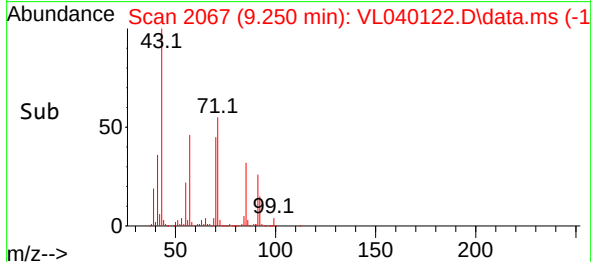
Instrument :
MSVOA_L
ClientSampleId :
VP-2DLDUP



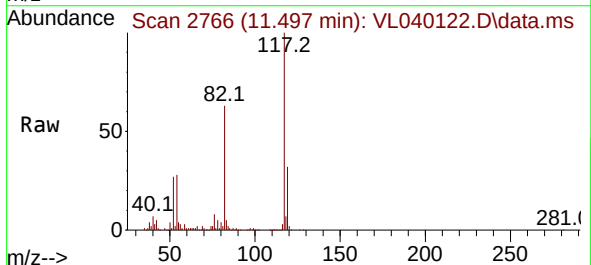
Tgt Ion: 91 Resp: 212352
Ion Ratio Lower Upper
91 100
92 59.7 48.3 72.5

Manual Integrations
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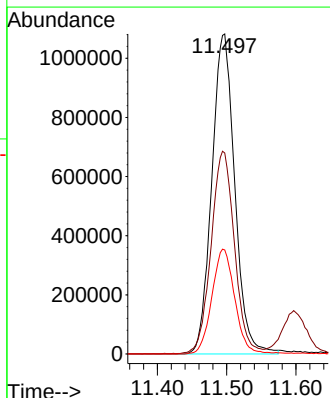
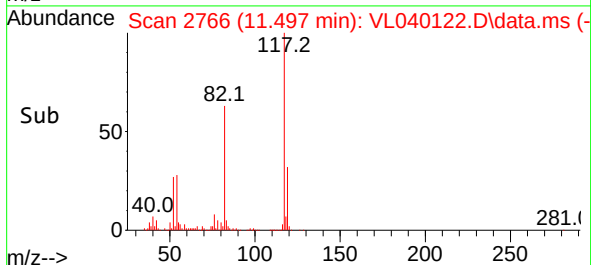
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

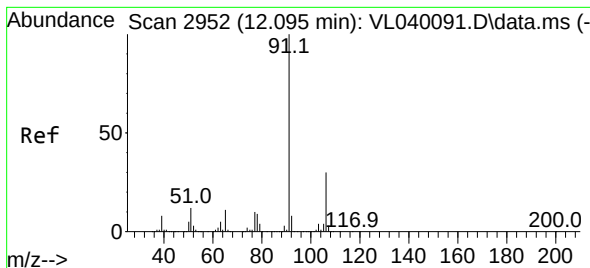


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.497 min Scan# 2766
Delta R.T. 0.023 min
Lab File: VL040122.D
Acq: 19 Jan 2023 20:44



Tgt Ion:117 Resp: 2491581
Ion Ratio Lower Upper
117 100
82 64.9 54.4 81.6
119 33.1 26.8 40.2





#58

Ethyl Benzene

Concen: 0.326 ppbv

RT: 12.114 min Scan# 2952

Delta R.T. 0.019 min

Lab File: VL040122.D

Acq: 19 Jan 2023 20:44

Instrument :

MSVOA_L

ClientSampleId :

VP-2DLDUP

Tgt Ion: 91 Resp: 9065

Ion Ratio Lower Upper

91 100

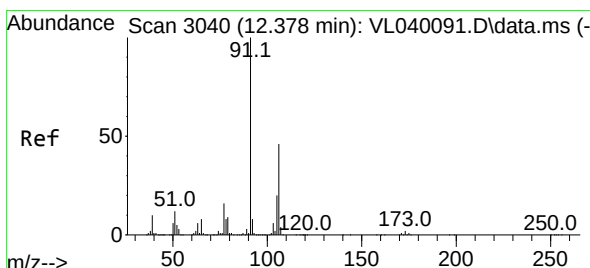
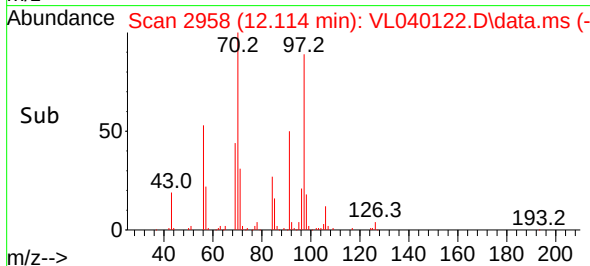
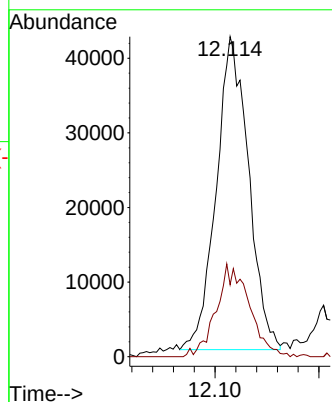
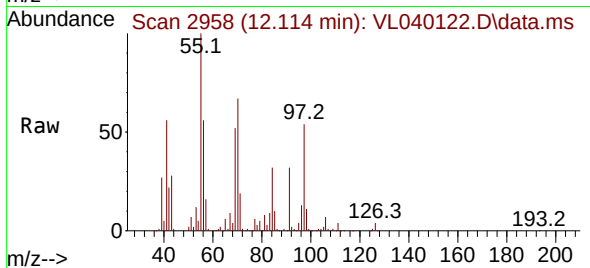
106 23.0 23.7 35.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#59

m/p-Xylene

Concen: 0.841 ppbv m

RT: 12.372 min Scan# 3038

Delta R.T. -0.006 min

Lab File: VL040122.D

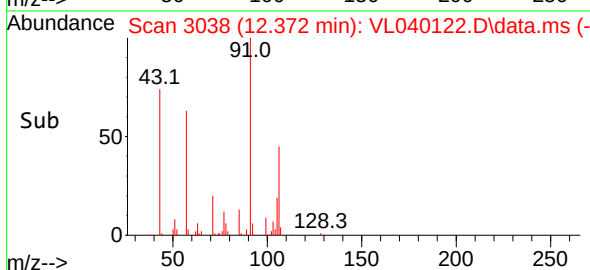
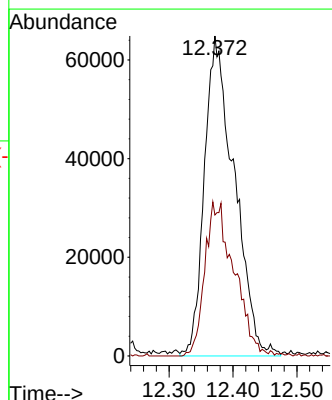
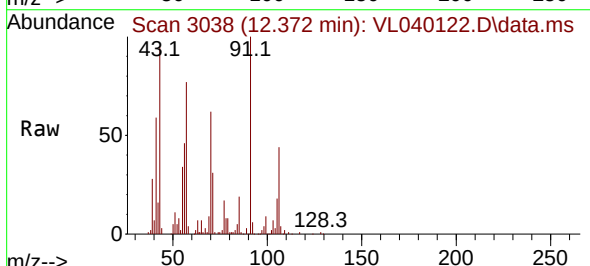
Acq: 19 Jan 2023 20:44

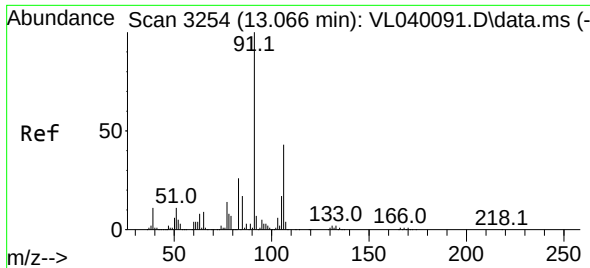
Tgt Ion: 91 Resp: 210281

Ion Ratio Lower Upper

91 100

106 0.0 34.2 51.4#





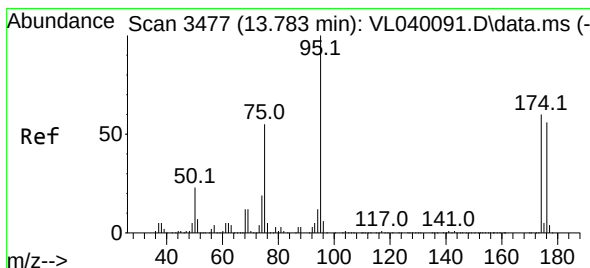
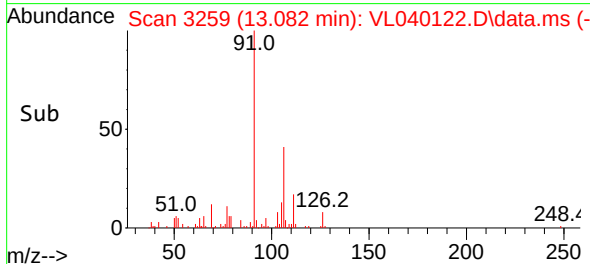
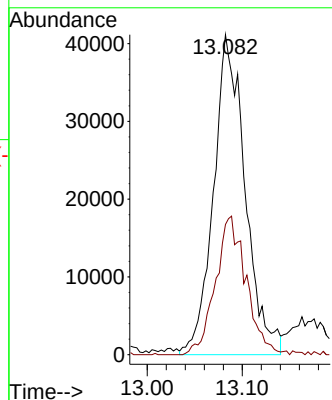
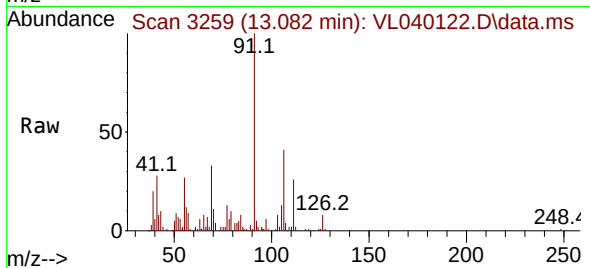
#60
o-Xylene
Concen: 0.400 ppbv m
RT: 13.082 min Scan# 31
Delta R.T. 0.016 min
Lab File: VL040122.D
Acq: 19 Jan 2023 20:44

Instrument :
MSVOA_L
ClientSampleId :
VP-2DLDUP

Tgt Ion: 91 Resp: 9495
Ion Ratio Lower Upper
91 100
106 42.1 21.6 64.8

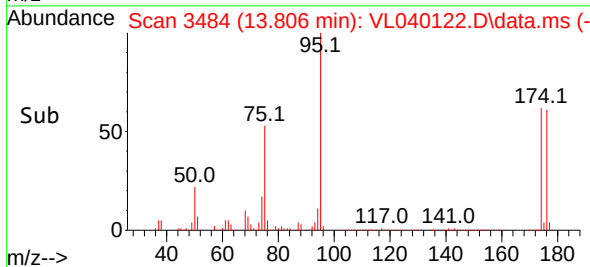
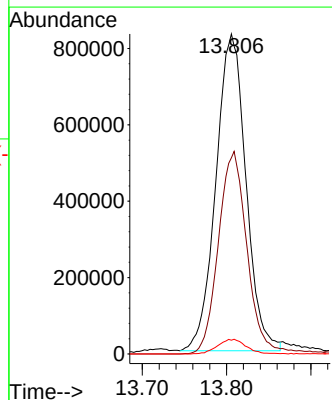
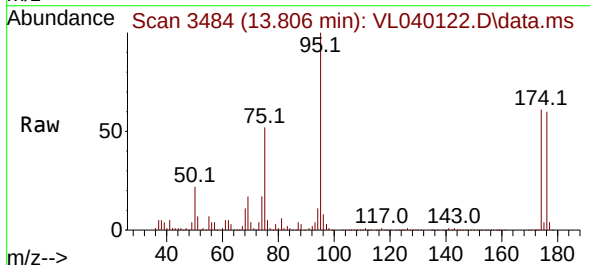
Manual Integrations
APPROVED

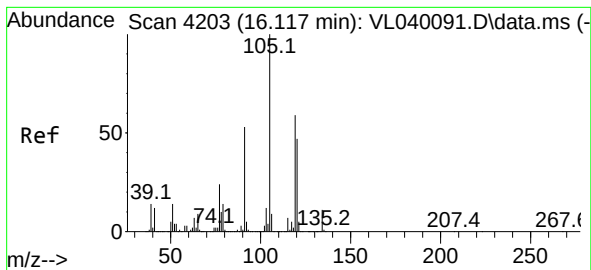
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.914 ppbv
RT: 13.806 min Scan# 3484
Delta R.T. 0.023 min
Lab File: VL040122.D
Acq: 19 Jan 2023 20:44

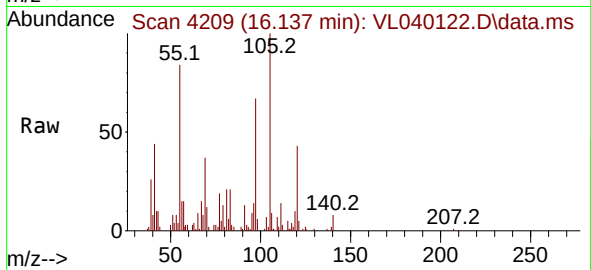
Tgt Ion: 95 Resp: 2052902
Ion Ratio Lower Upper
95 100
174 62.5 47.7 71.5
175 4.4 3.4 5.2





#74
1,2,4-Trimethylbenzene
Concen: 0.258 ppbv m
RT: 16.137 min Scan# 41
Delta R.T. 0.019 min
Lab File: VL040122.D
Acq: 19 Jan 2023 20:44

Instrument :
MSVOA_L
ClientSampleId :
VP-2DLDUP



Tgt Ion:	105	Resp:	67648
Ion Ratio	Lower	Upper	
105	100		
120	42.9	38.0	57.0
91	13.0	42.1	63.1
77	19.3	19.3	28.9

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

