

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
 Data File : VL040452.D
 Acq On : 17 May 2023 00:37
 Operator : SY/MD
 Sample : 02793-02DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023

Quant Time: May 17 05:19:36 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M

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

QLast Update : Wed May 17 05:12:40 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.208	49	996177	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2512781	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.494	117	2276007	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.802	95	1843035	10.071	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.700%
Target Compounds						
					Qvalue	
9) Propene	2.706	41	17926	0.358	ppbv	90
10) Heptane	7.600	43	53731	0.465	ppbv	91
13) Ethanol	3.253	45	76602	20.195	ppbv	89
20) Methylene Chloride	3.944	84	446907	7.961	ppbv	94
26) Hexane	5.230	57	463772	4.714	ppbv #	37
30) Cyclohexane	6.622	84	42228m	0.528	ppbv	
36) Benzene	6.391	78	63129	0.309	ppbv	96
44) 2,2,4-Trimethylpentane	7.349	57	67111	0.199	ppbv #	34
53) Toluene	9.246	91	271760	1.261	ppbv	98
58) Ethyl Benzene	12.114	91	105019m	0.365	ppbv	
59) m/p-Xylene	12.368	91	349215	1.329	ppbv	99
60) o-Xylene	13.082	91	130643	0.522	ppbv	99
64) n-propylbenzene	14.947	120	14761m	0.164	ppbv	
72) 4-Ethyltoluene	15.220	105	64984	0.229	ppbv #	92
73) 1,3,5-Trimethylbenzene	15.381	105	60679	0.233	ppbv	93
74) 1,2,4-Trimethylbenzene	16.133	105	181038	0.605	ppbv #	69

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

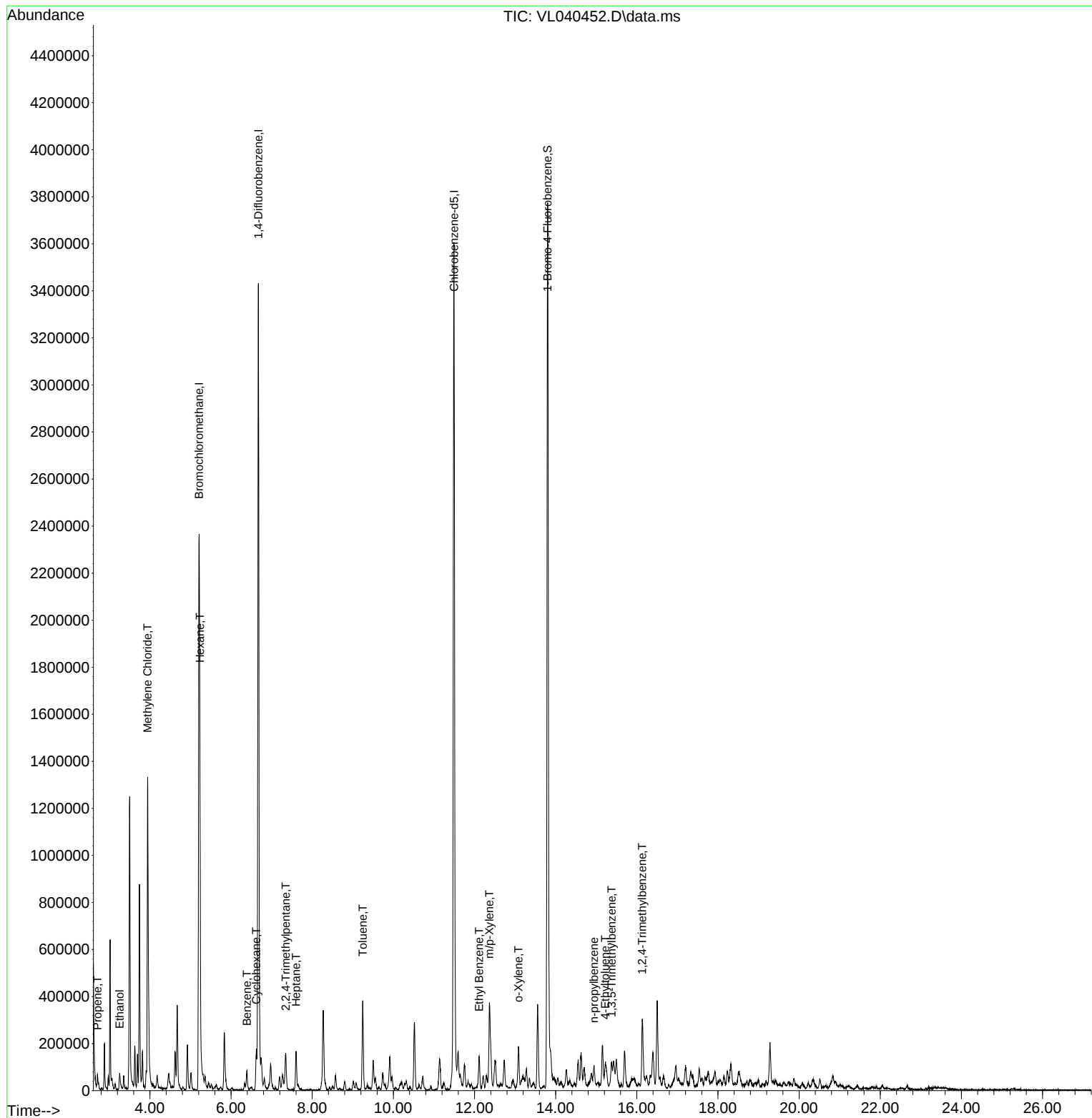
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
Data File : VL040452.D
Acq On : 17 May 2023 00:37
Operator : SY/MD
Sample : 02793-02DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

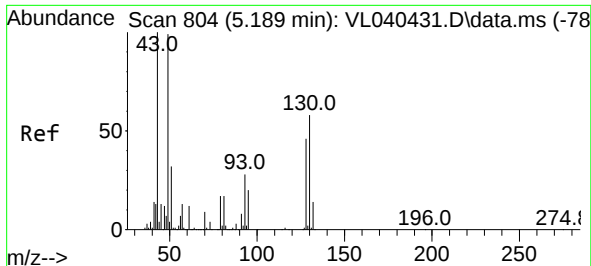
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Quant Time: May 17 05:19:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed May 17 05:12:40 2023
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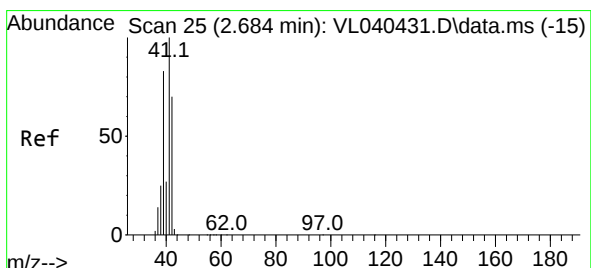
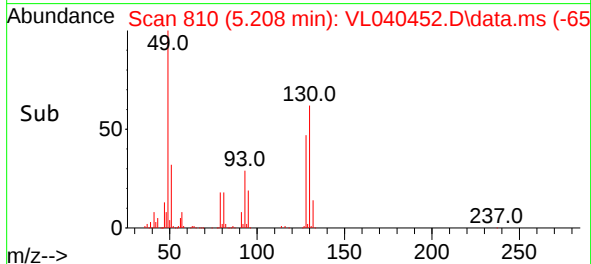
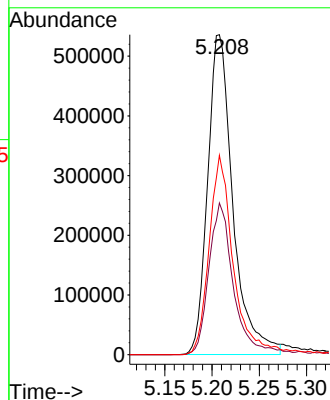
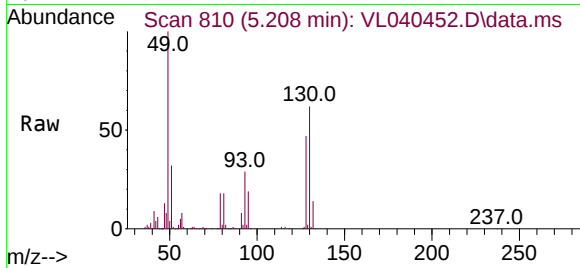
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL040452.D
Acq: 17 May 2023 00:37

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 49 Resp: 99617
Ion Ratio Lower Upper
49 100
128 47.5 24.3 72.8
130 61.4 30.2 90.6

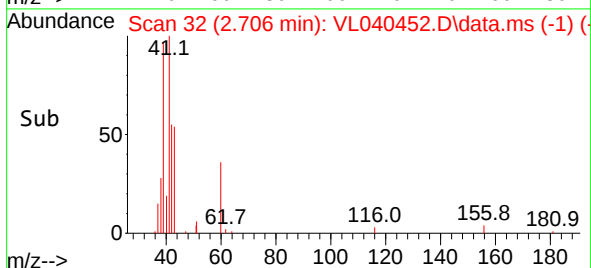
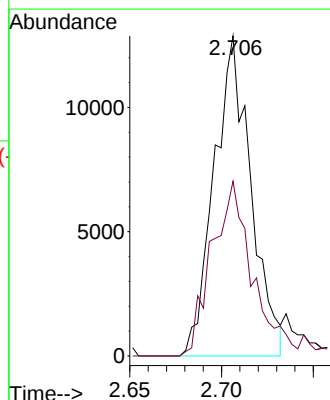
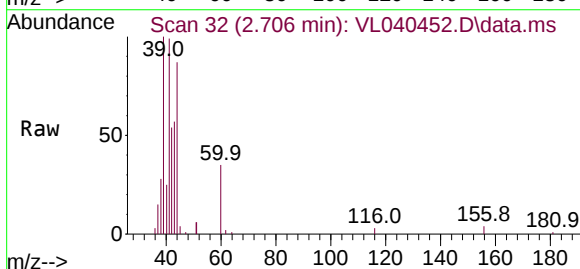
Manual Integrations
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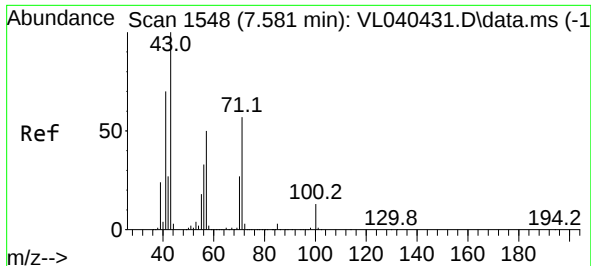
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#9
Propene
Concen: 0.358 ppbv
RT: 2.706 min Scan# 32
Delta R.T. 0.013 min
Lab File: VL040452.D
Acq: 17 May 2023 00:37

Tgt Ion: 41 Resp: 17926
Ion Ratio Lower Upper
41 100
42 62.7 56.6 84.8





#10

Heptane

Concen: 0.465 ppbv

RT: 7.600 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040452.D

Acq: 17 May 2023 00:37

Instrument :

MSVOA_L

ClientSampleId :

SG-2DL

Tgt Ion: 43 Resp: 5373

Ion Ratio Lower Upper

43 100

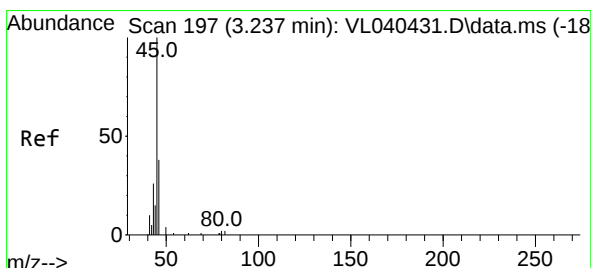
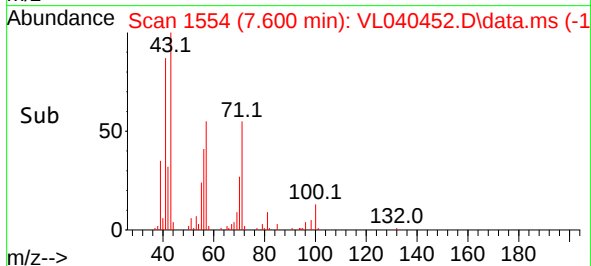
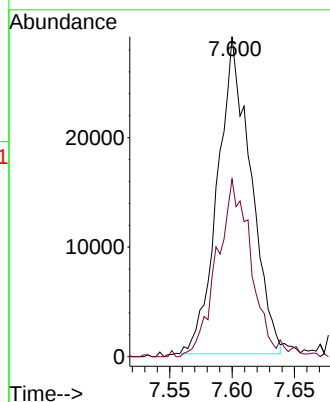
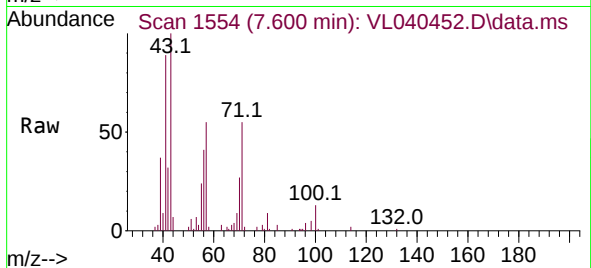
57 59.1 42.2 63.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#13

Ethanol

Concen: 20.195 ppbv

RT: 3.253 min Scan# 202

Delta R.T. 0.003 min

Lab File: VL040452.D

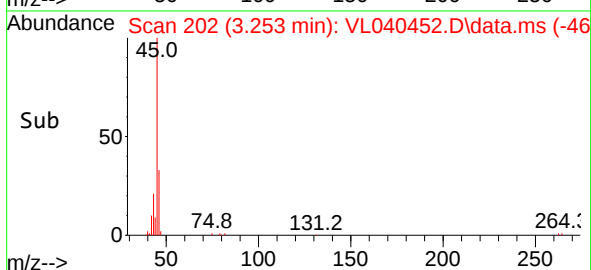
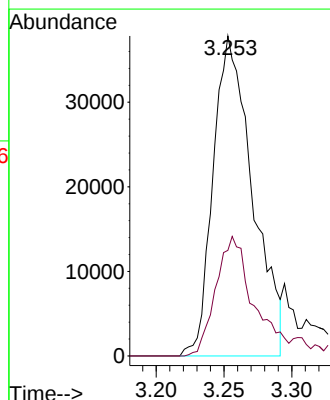
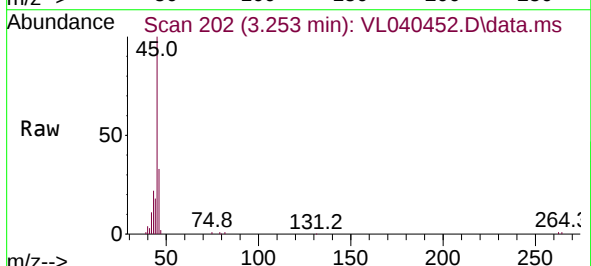
Acq: 17 May 2023 00:37

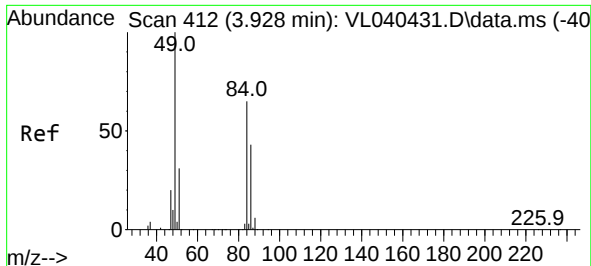
Tgt Ion: 45 Resp: 76602

Ion Ratio Lower Upper

45 100

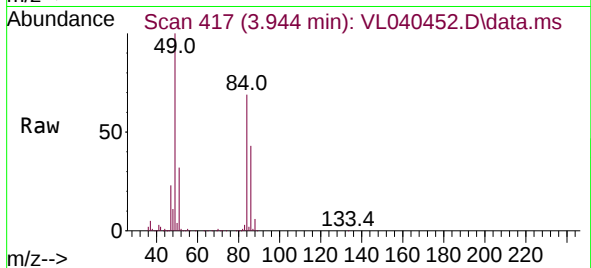
46 39.0 13.2 52.8





#20
Methylene Chloride
Concen: 7.961 ppbv
RT: 3.944 min Scan# 412
Delta R.T. 0.006 min
Lab File: VL040452.D
Acq: 17 May 2023 00:37

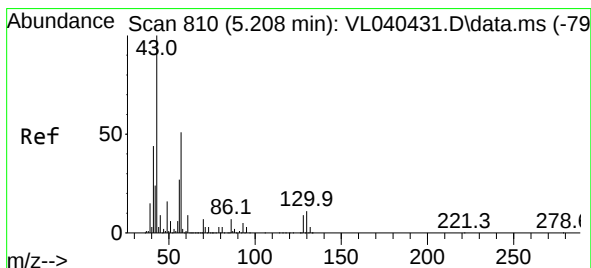
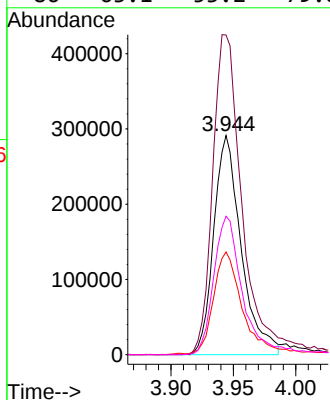
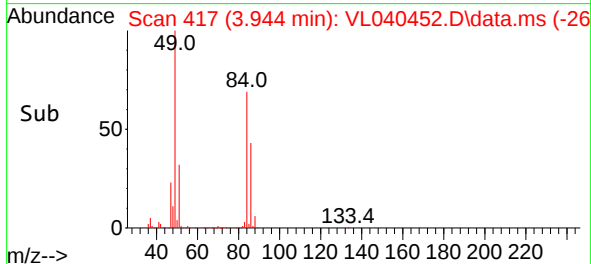
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL



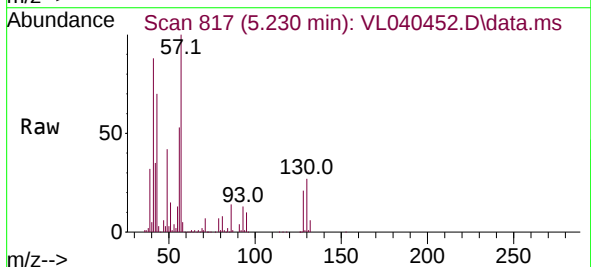
Tgt Ion: 84 Resp: 446907
Ion Ratio Lower Upper
84 100
49 145.3 123.7 185.5
51 46.2 38.6 57.8
86 63.1 53.2 79.8

Manual Integrations
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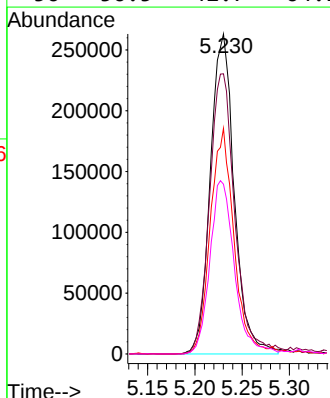
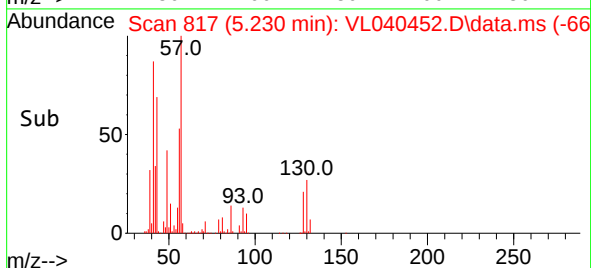
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

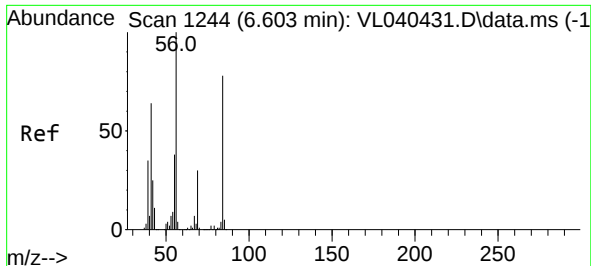


#26
Hexane
Concen: 4.714 ppbv
RT: 5.230 min Scan# 817
Delta R.T. 0.006 min
Lab File: VL040452.D
Acq: 17 May 2023 00:37



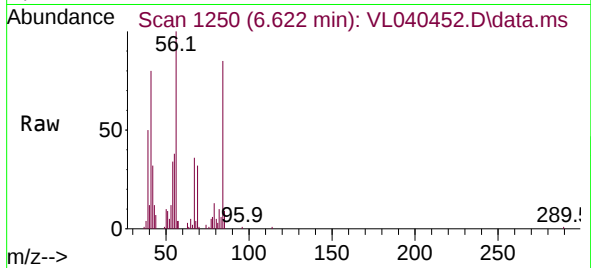
Tgt Ion: 57 Resp: 463772
Ion Ratio Lower Upper
57 100
41 94.7 75.1 112.7
43 70.8 194.4 291.6#
56 56.5 42.7 64.1





#30
Cyclohexane
Concen: 0.528 ppbv m
RT: 6.622 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VL040452.D
Acq: 17 May 2023 00:37

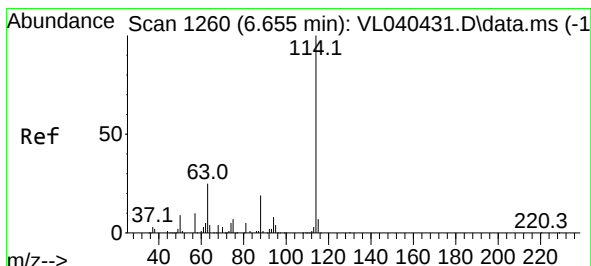
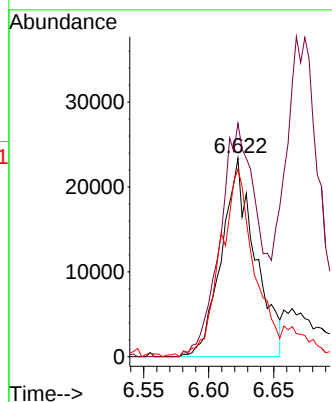
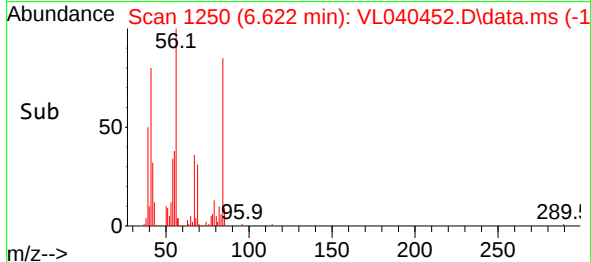
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL



Tgt Ion: 84 Resp: 42228
Ion Ratio Lower Upper
84 100
56 121.3 108.2 162.4
41 106.5 66.9 100.3

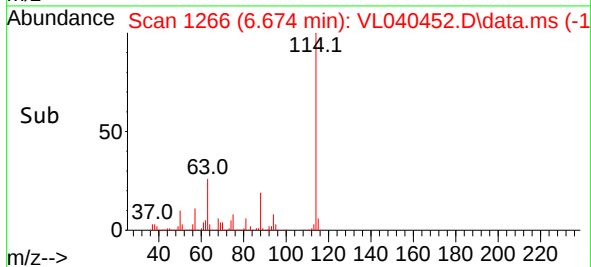
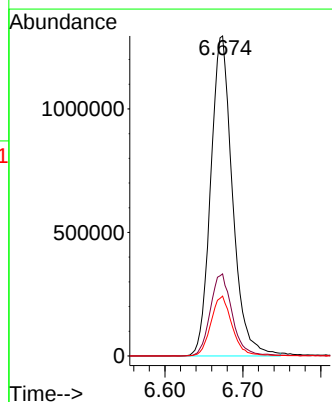
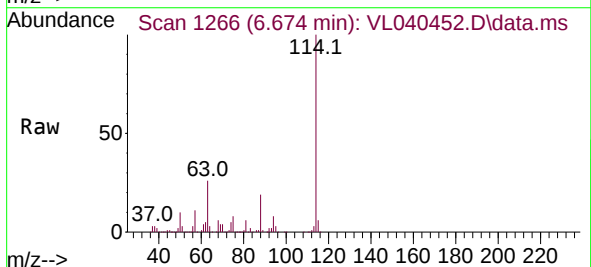
Manual Integrations
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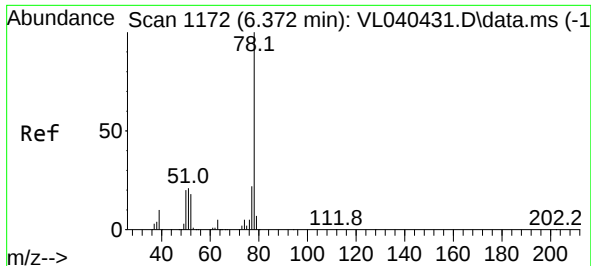
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.674 min Scan# 1266
Delta R.T. 0.003 min
Lab File: VL040452.D
Acq: 17 May 2023 00:37

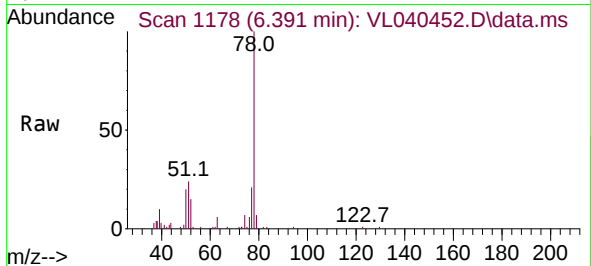
Tgt Ion:114 Resp: 2512781
Ion Ratio Lower Upper
114 100
63 26.2 21.0 31.6
88 18.3 14.6 22.0





#36
Benzene
Concen: 0.309 ppbv
RT: 6.391 min Scan# 1178
Delta R.T. 0.006 min
Lab File: VL040452.D
Acq: 17 May 2023 00:37

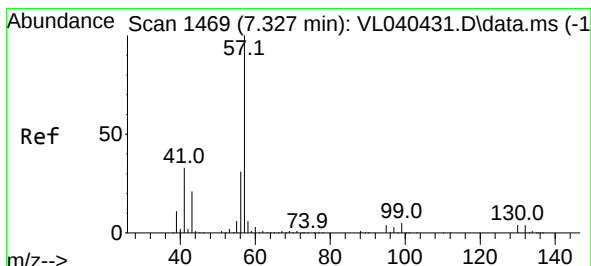
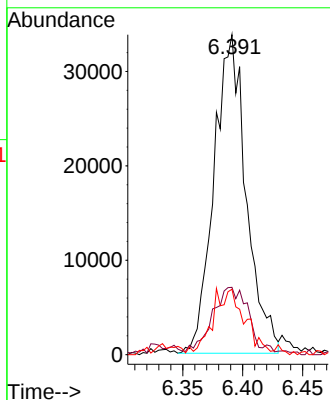
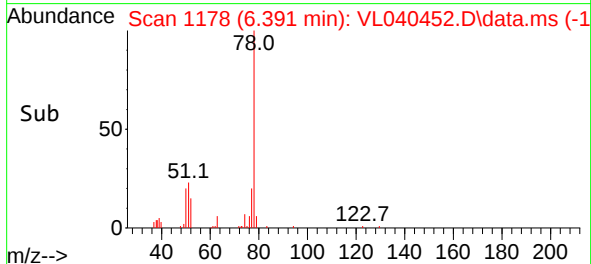
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL



Tgt Ion: 78 Resp: 63129
Ion Ratio Lower Upper
78 100
77 20.1 17.7 26.5
50 17.9 15.8 23.8

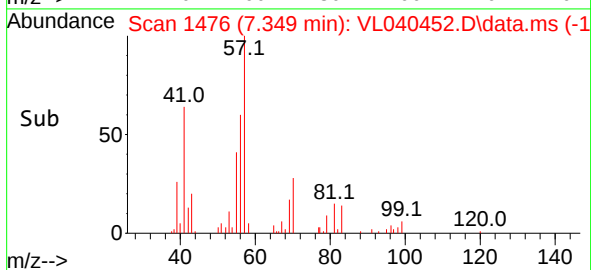
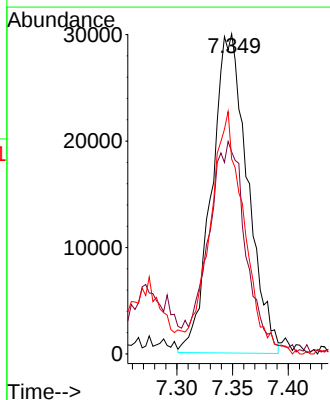
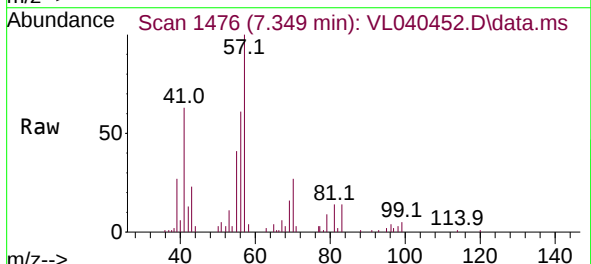
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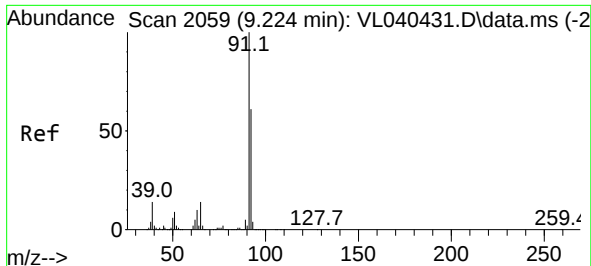
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#44
2,2,4-Trimethylpentane
Concen: 0.199 ppbv
RT: 7.349 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VL040452.D
Acq: 17 May 2023 00:37

Tgt Ion: 57 Resp: 67111
Ion Ratio Lower Upper
57 100
41 68.1 27.0 40.4#
56 71.4 25.0 37.4#





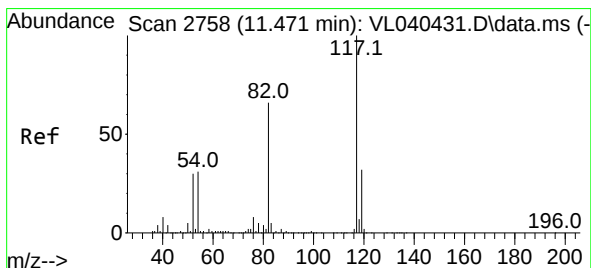
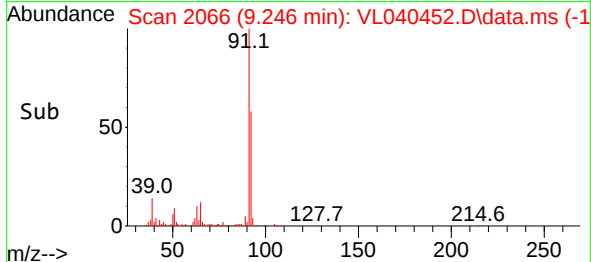
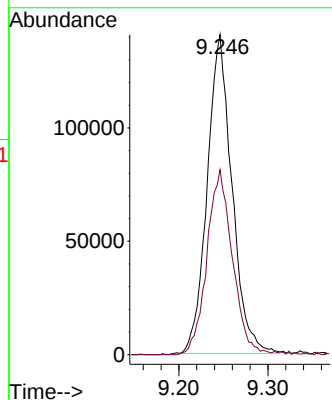
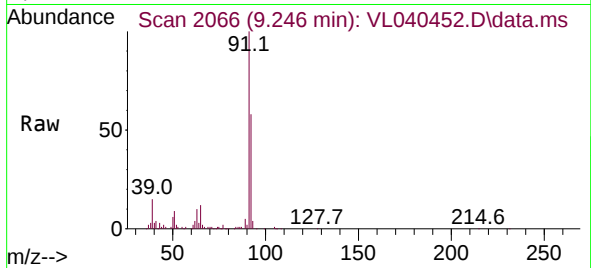
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Toluene
Concen: 1.261 ppbv
RT: 9.246 min Scan# 2059
Delta R.T. 0.003 min
Lab File: VL040452.D
Acq: 17 May 2023 00:37

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 91 Resp: 271760
Ion Ratio Lower Upper
91 100
92 60.0 49.1 73.7

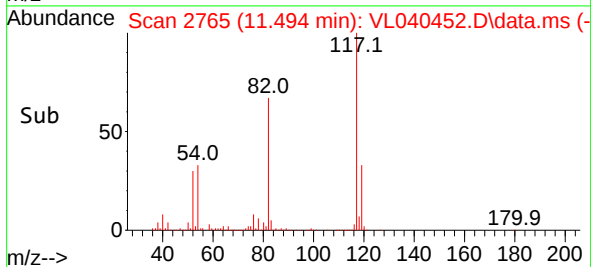
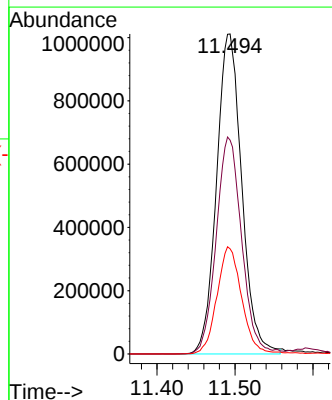
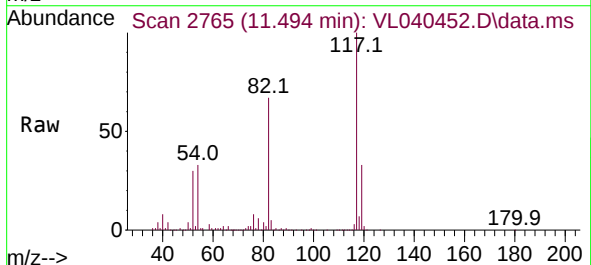
Manual Integrations
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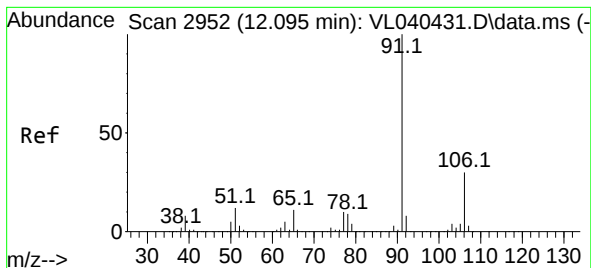
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.494 min Scan# 2765
Delta R.T. 0.003 min
Lab File: VL040452.D
Acq: 17 May 2023 00:37

Tgt Ion:117 Resp: 2276007
Ion Ratio Lower Upper
117 100
82 68.4 52.5 78.7
119 33.4 24.0 36.0





#58

Ethyl Benzene

Concen: 0.365 ppbv m

RT: 12.114 min Scan# 2952

Delta R.T. 0.003 min

Lab File: VL040452.D

Acq: 17 May 2023 00:37

Instrument :

MSVOA_L

ClientSampleId :

SG-2DL

Tgt Ion: 91 Resp: 105019

Ion Ratio Lower Upper

91 100

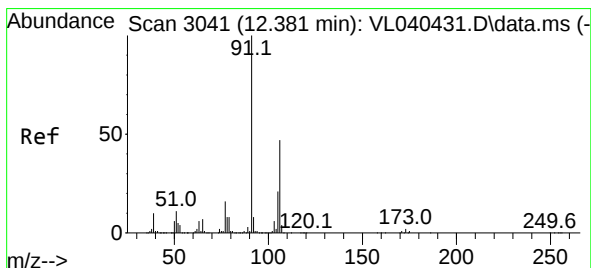
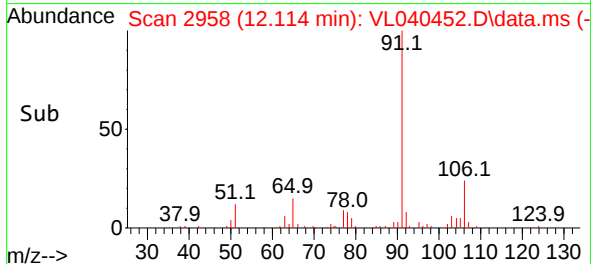
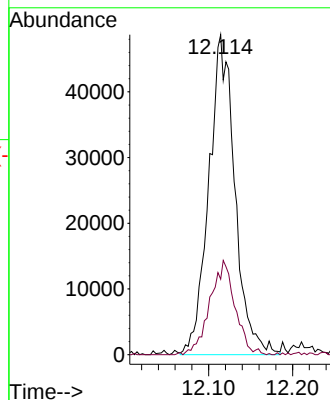
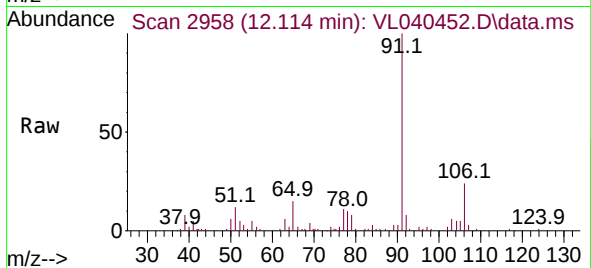
106 23.6 23.8 35.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#59

m/p-Xylene

Concen: 1.329 ppbv

RT: 12.368 min Scan# 3037

Delta R.T. -0.029 min

Lab File: VL040452.D

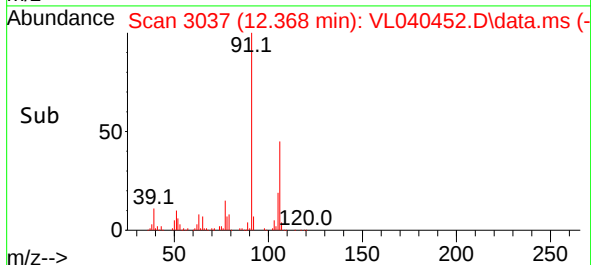
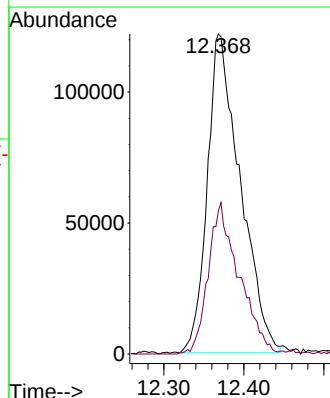
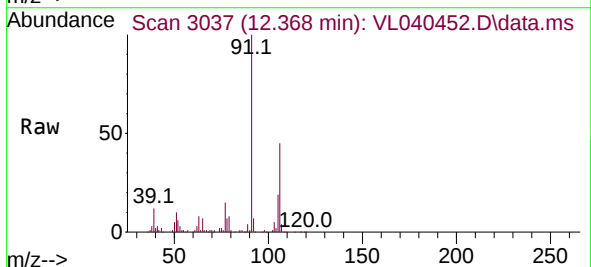
Acq: 17 May 2023 00:37

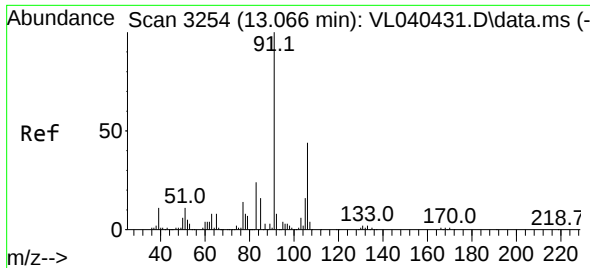
Tgt Ion: 91 Resp: 349215

Ion Ratio Lower Upper

91 100

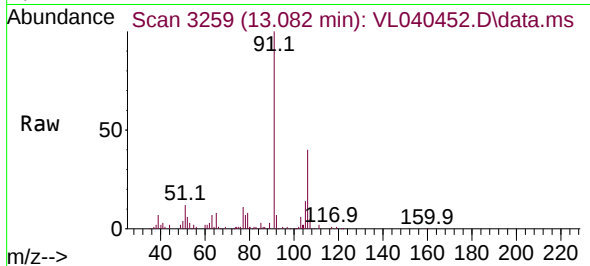
106 44.5 34.9 52.3





#60
o-Xylene
Concen: 0.522 ppbv
RT: 13.082 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL040452.D
Acq: 17 May 2023 00:37

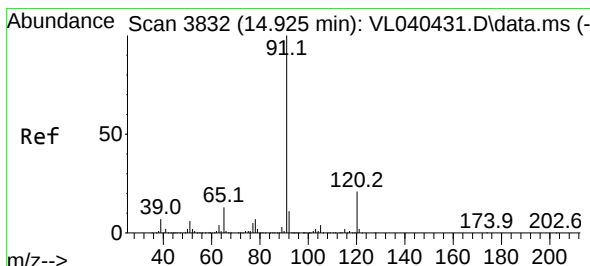
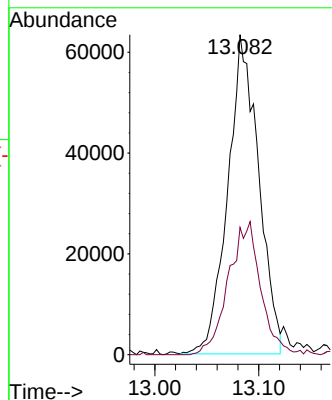
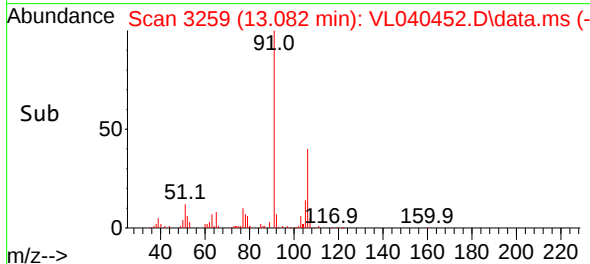
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL



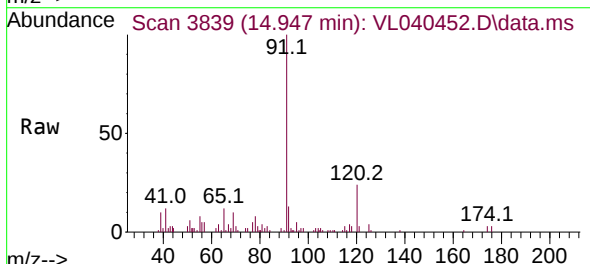
Tgt Ion: 91 Resp: 13064
Ion Ratio Lower Upper
91 100
106 44.0 21.8 65.4

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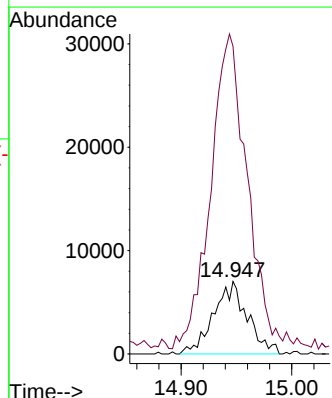
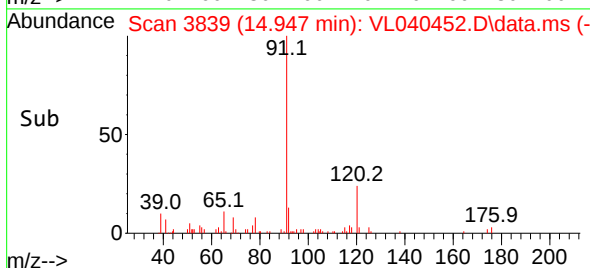
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

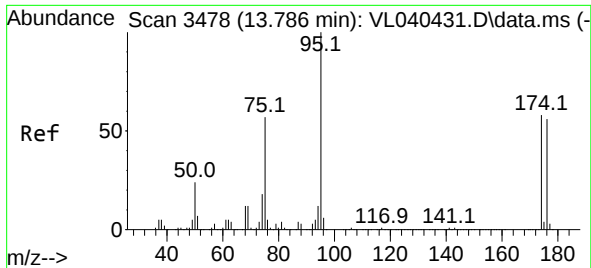


#64
n-propylbenzene
Concen: 0.164 ppbv m
RT: 14.947 min Scan# 3839
Delta R.T. 0.003 min
Lab File: VL040452.D
Acq: 17 May 2023 00:37



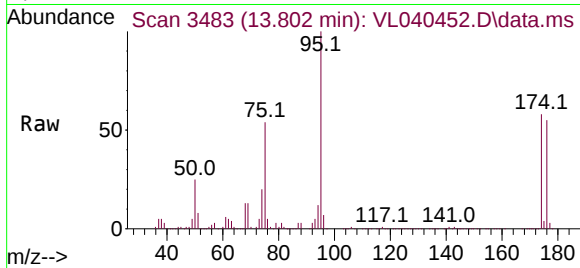
Tgt Ion:120 Resp: 14761
Ion Ratio Lower Upper
120 100
91 496.8 393.2 589.8





#68
1-Bromo-4-Fluorobenzene
Concen: 10.071 ppbv
RT: 13.802 min Scan# 3478
Delta R.T. 0.003 min
Lab File: VL040452.D
Acq: 17 May 2023 00:37

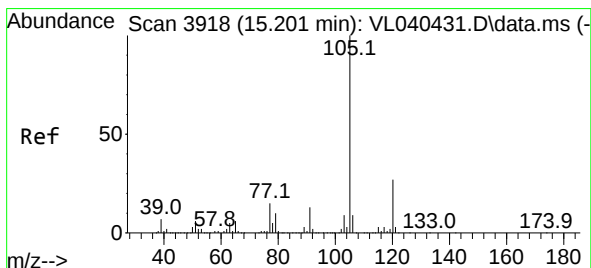
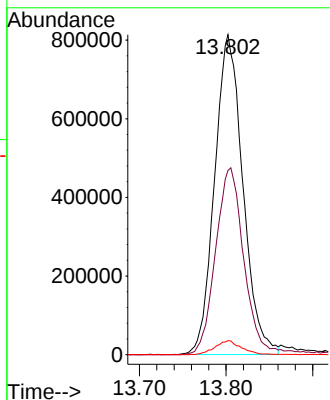
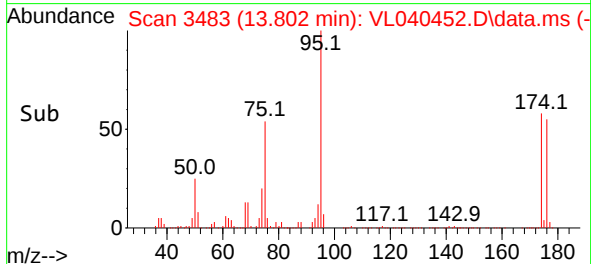
Instrument :
MSVOA_1
ClientSampleId :
SG-2DL



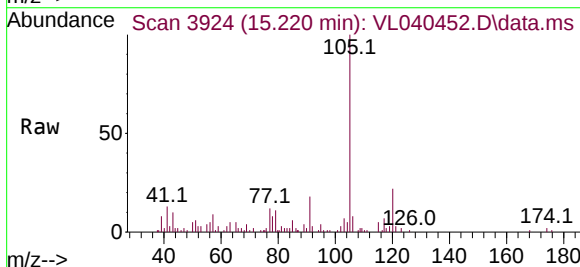
Tgt Ion: 95 Resp: 184303
Ion Ratio Lower Upper
95 100
174 59.5 47.0 70.6
175 4.2 3.4 5.0

Manual Integrations
APPROVED

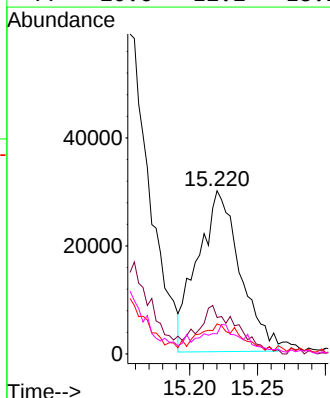
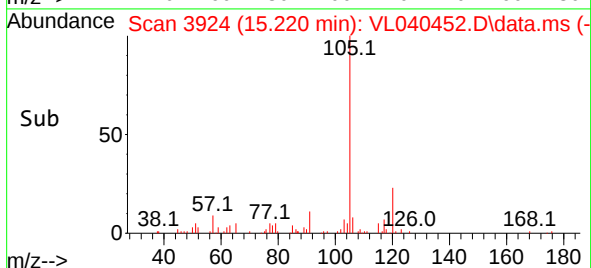
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

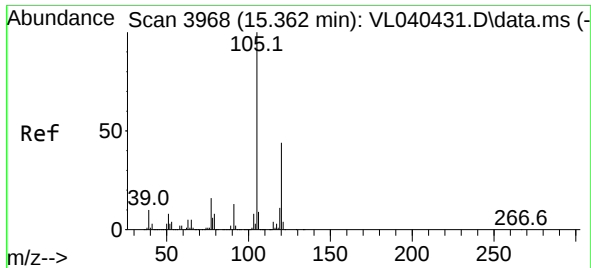


#72
4-Ethyltoluene
Concen: 0.229 ppbv
RT: 15.220 min Scan# 3924
Delta R.T. -0.000 min
Lab File: VL040452.D
Acq: 17 May 2023 00:37



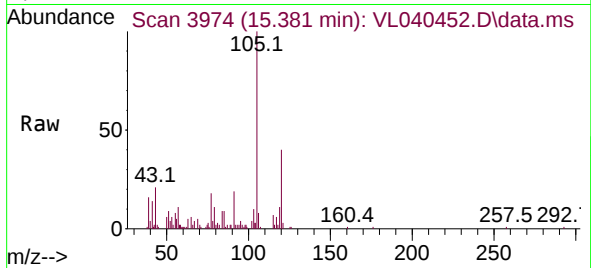
Tgt Ion:105 Resp: 64984
Ion Ratio Lower Upper
105 100
120 30.5 23.8 35.8
91 21.1 11.0 16.4#
77 20.6 12.2 18.2#





#73
1,3,5-Trimethylbenzene
Concen: 0.233 ppbv
RT: 15.381 min Scan# 3968
Delta R.T. 0.006 min
Lab File: VL040452.D
Acq: 17 May 2023 00:37

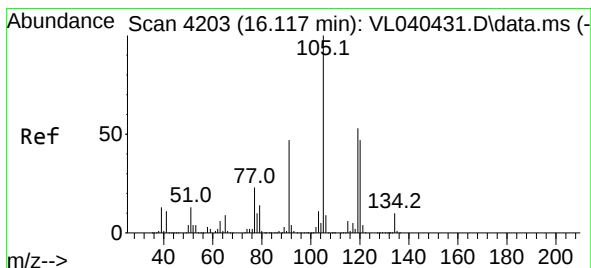
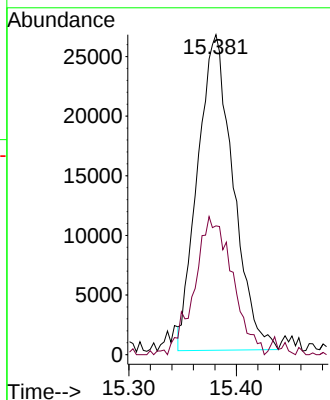
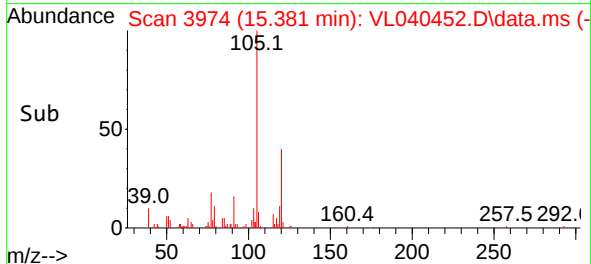
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL



Tgt Ion:105 Resp: 60679
Ion Ratio Lower Upper
105 100
120 39.2 35.2 52.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#74
1,2,4-Trimethylbenzene
Concen: 0.605 ppbv
RT: 16.133 min Scan# 4208
Delta R.T. -0.000 min
Lab File: VL040452.D
Acq: 17 May 2023 00:37

Tgt Ion:105 Resp: 181038
Ion Ratio Lower Upper
105 100
120 37.8 38.1 57.1#
91 13.8 40.2 60.2#
77 15.3 19.0 28.4#

