

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
 Data File : VL040448.D
 Acq On : 16 May 2023 21:53
 Operator : SY/MD
 Sample : 02793-02DL 80X
 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 05:18:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 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	974518	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2458673	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.491	117	2196971	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.806	95	1807321	10.231	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.300%
Target Compounds						
9) Propene	2.710	41	12913m	0.264	ppbv	Qvalue
10) Heptane	7.600	43	24633m	0.218	ppbv	
13) Ethanol	3.263	45	37552m	10.120	ppbv	
20) Methylene Chloride	3.944	84	213176	3.882	ppbv	96
26) Hexane	5.227	57	207992	2.161	ppbv #	36
30) Cyclohexane	6.619	84	18277m	0.233	ppbv	
36) Benzene	6.394	78	30541m	0.153	ppbv	
53) Toluene	9.243	91	107934	0.512	ppbv	97
58) Ethyl Benzene	12.108	91	39373m	0.142	ppbv	
59) m/p-Xylene	12.372	91	141328m	0.557	ppbv	
60) o-Xylene	13.085	91	49339m	0.204	ppbv	
72) 4-Ethyltoluene	15.220	105	27268m	0.100	ppbv	
73) 1,3,5-Trimethylbenzene	15.378	105	26994m	0.107	ppbv	
74) 1,2,4-Trimethylbenzene	16.133	105	67596m	0.234	ppbv	

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

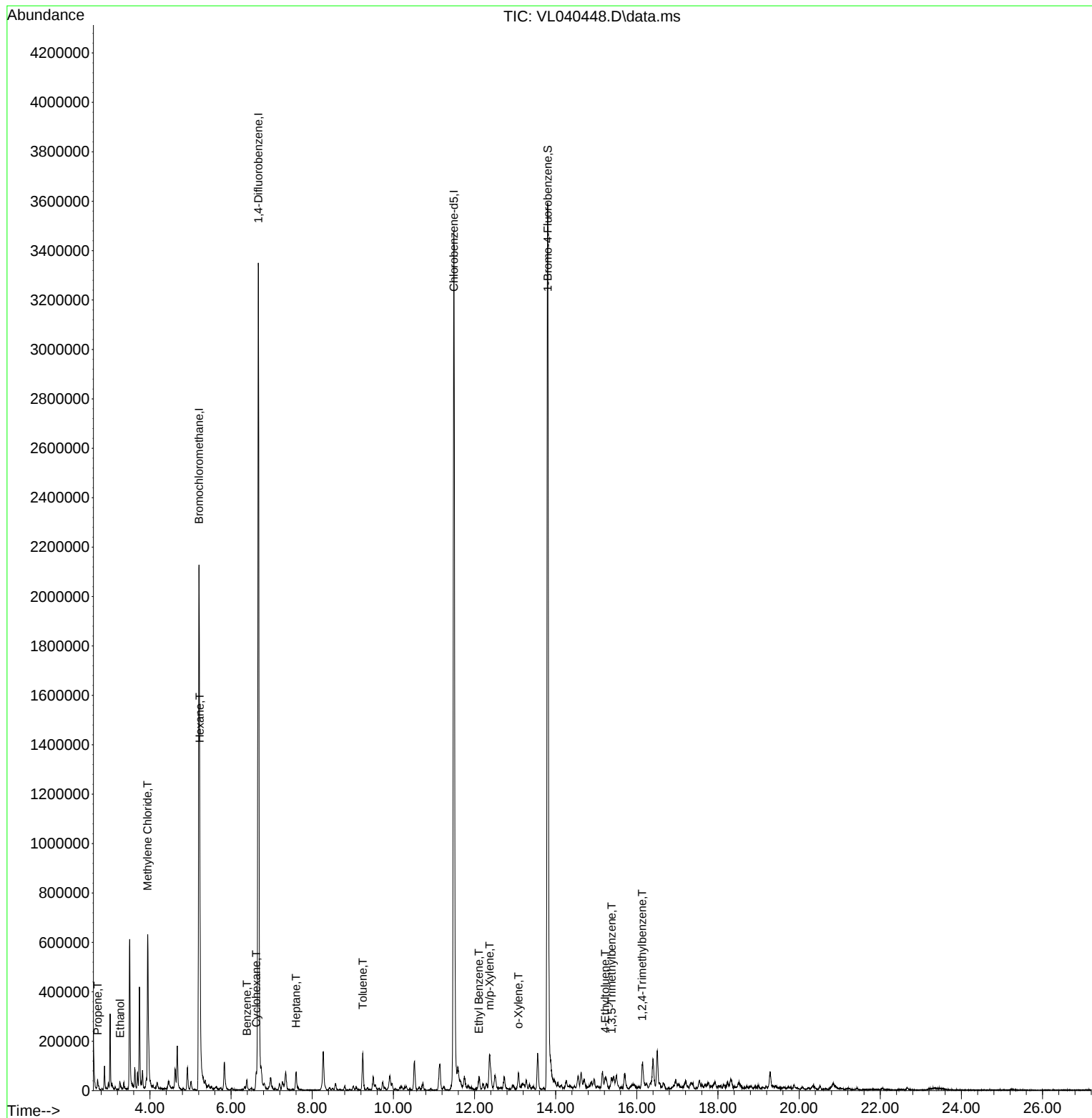
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
Data File : VL040448.D
Acq On : 16 May 2023 21:53
Operator : SY/MD
Sample : 02793-02DL 80X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

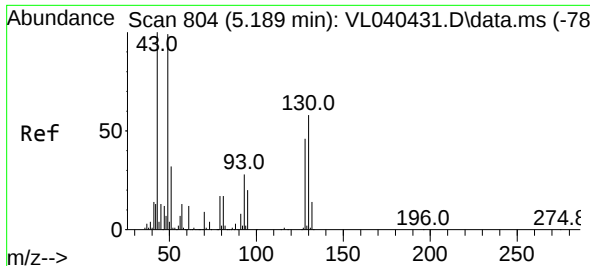
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Quant Time: May 17 05:18:10 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
Response via : Initial Calibration

Manual Integrations
APPROVED

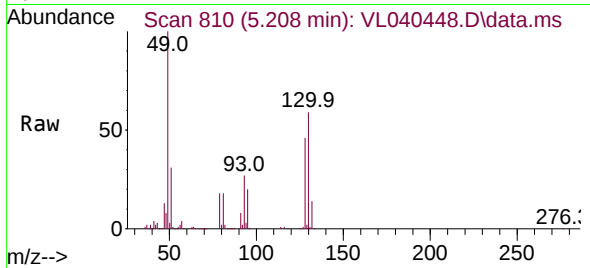
Reviewed By : Semsettin Yesilyurt 05/17/2023
Supervised By : Mahesh Dadoda 05/17/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL040448.D
Acq: 16 May 2023 21:53

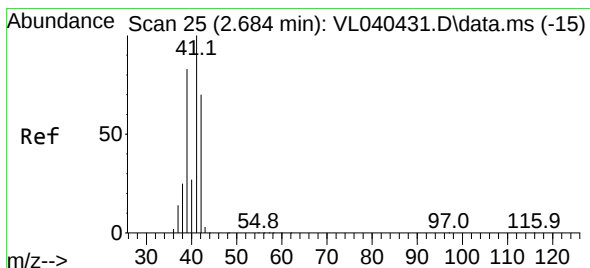
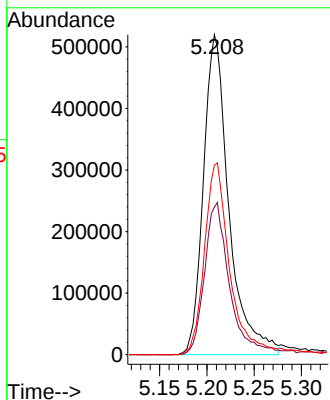
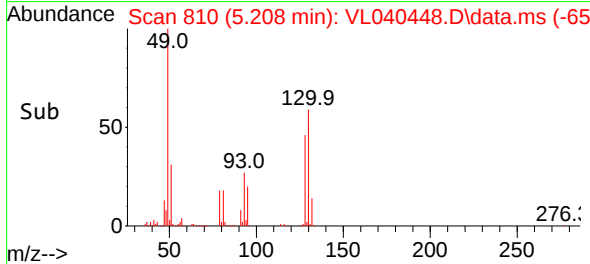
Instrument :
MSVOA_L
Client Sample Id :
SG-2DL



Tgt Ion: 49 Resp: 974518
Ion Ratio Lower Upper
49 100
128 48.3 24.3 72.8
130 61.6 30.2 90.6

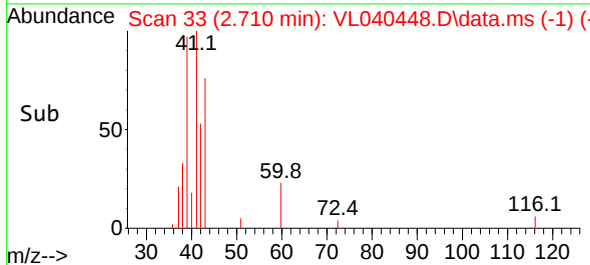
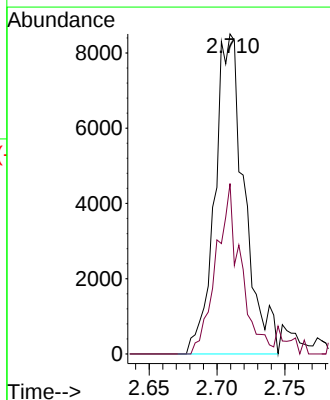
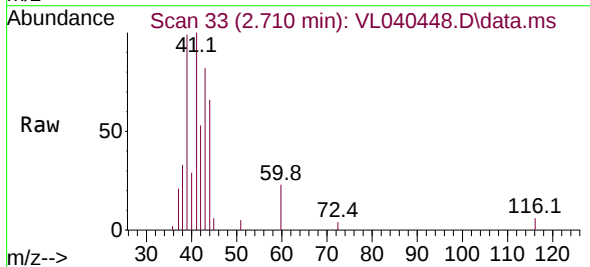
Manual Integrations
APPROVED

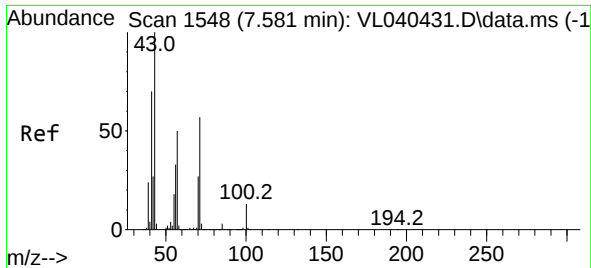
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#9
Propene
Concen: 0.264 ppbv m
RT: 2.710 min Scan# 33
Delta R.T. 0.016 min
Lab File: VL040448.D
Acq: 16 May 2023 21:53

Tgt Ion: 41 Resp: 12913
Ion Ratio Lower Upper
41 100
42 132.7 56.6 84.8#





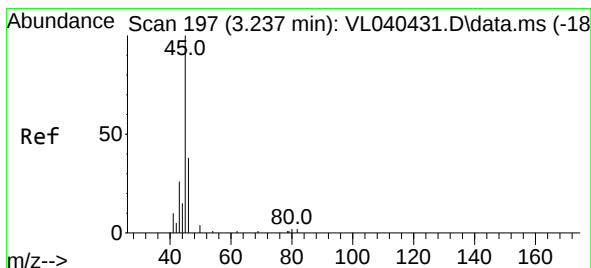
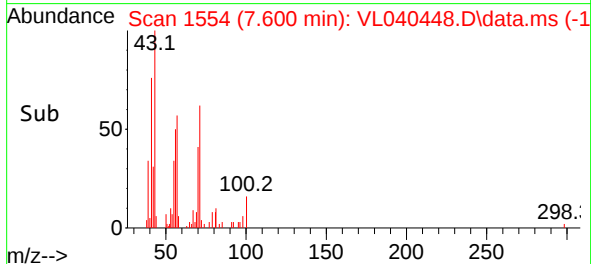
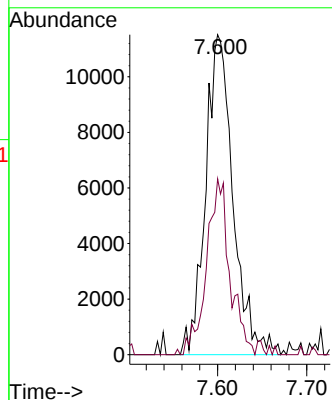
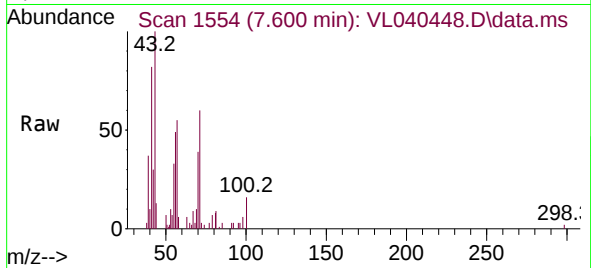
#10
Heptane
Concen: 0.218 ppbv m
RT: 7.600 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040448.D
Acq: 16 May 2023 21:53

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 43 Resp: 2463
Ion Ratio Lower Upper
43 100
57 48.1 42.2 63.2

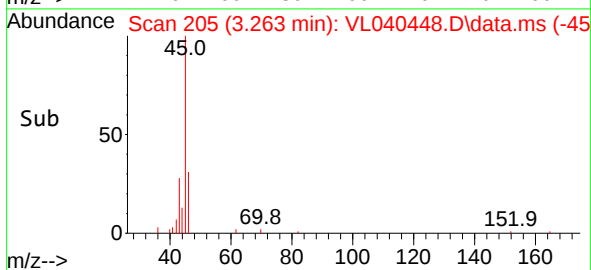
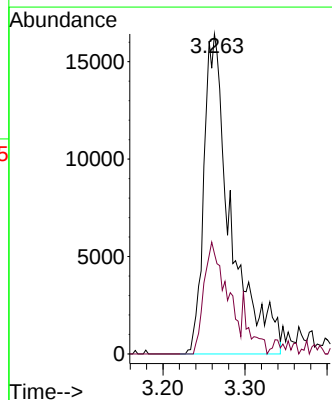
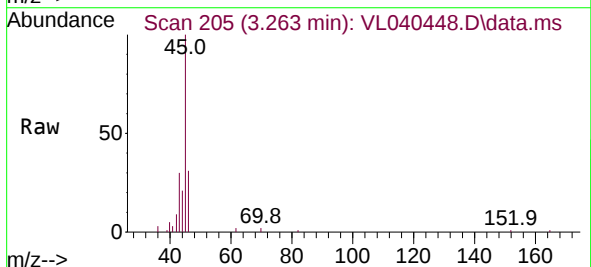
Manual Integrations
APPROVED

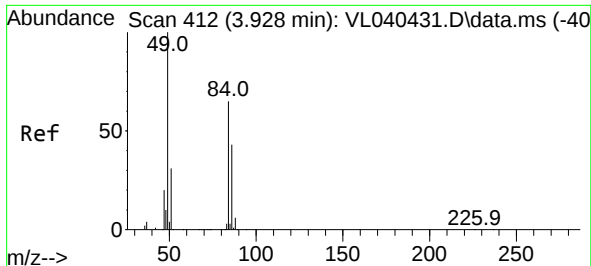
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#13
Ethanol
Concen: 10.120 ppbv m
RT: 3.263 min Scan# 205
Delta R.T. 0.013 min
Lab File: VL040448.D
Acq: 16 May 2023 21:53

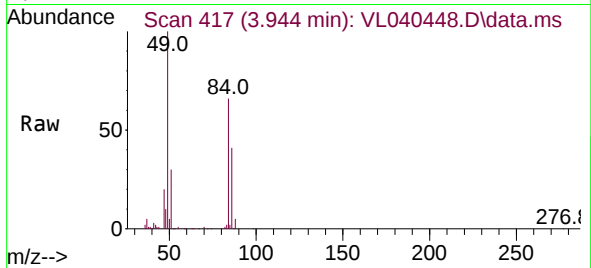
Tgt Ion: 45 Resp: 37552
Ion Ratio Lower Upper
45 100
46 34.9 13.2 52.8





#20
Methylene Chloride
Concen: 3.882 ppbv
RT: 3.944 min Scan# 417
Delta R.T. 0.007 min
Lab File: VL040448.D
Acq: 16 May 2023 21:53

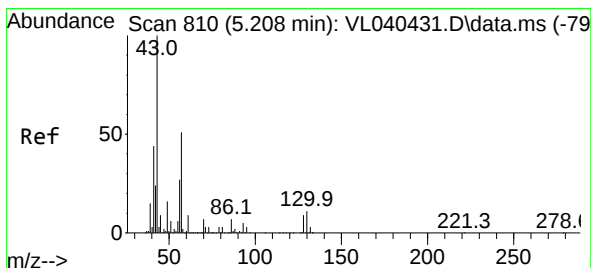
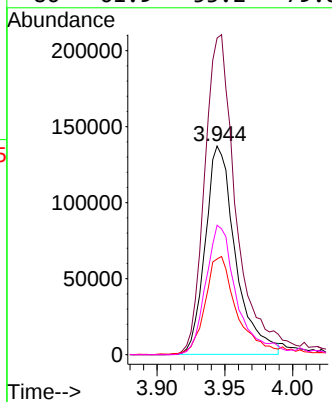
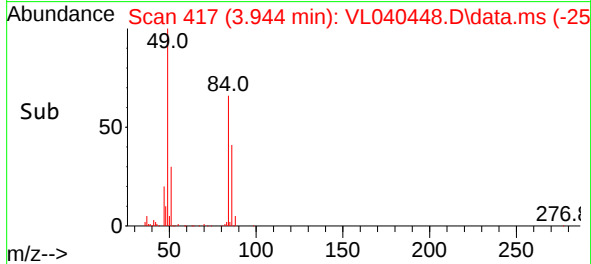
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL



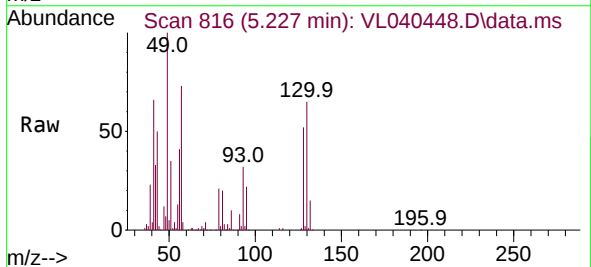
Tgt Ion: 84 Resp: 213170
Ion Ratio Lower Upper
84 100
49 151.5 123.7 185.5
51 45.3 38.6 57.8
86 61.9 53.2 79.8

Manual Integrations
APPROVED

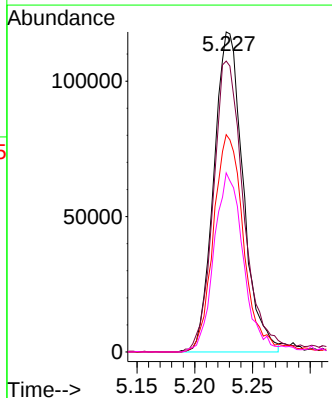
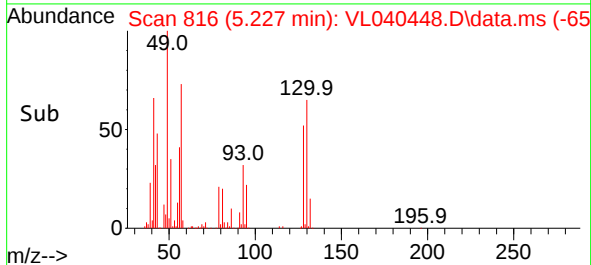
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

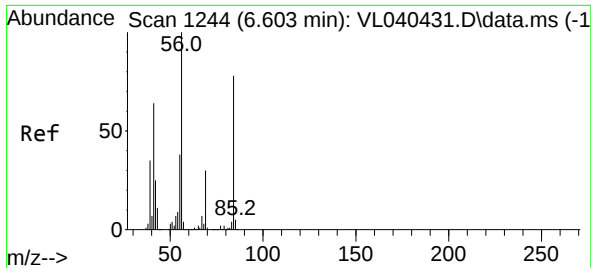


#26
Hexane
Concen: 2.161 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.003 min
Lab File: VL040448.D
Acq: 16 May 2023 21:53



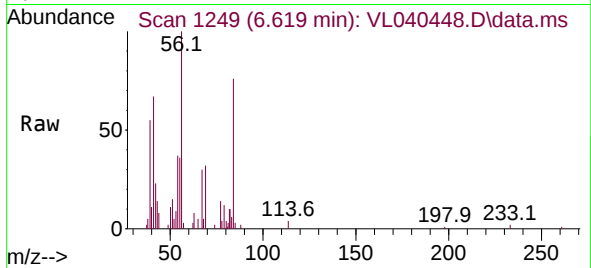
Tgt Ion: 57 Resp: 207992
Ion Ratio Lower Upper
57 100
41 96.7 75.1 112.7
43 71.8 194.4 291.6#
56 57.9 42.7 64.1





#30
Cyclohexane
Concen: 0.233 ppbv m
RT: 6.619 min Scan# 1249
Delta R.T. 0.003 min
Lab File: VL040448.D
Acq: 16 May 2023 21:53

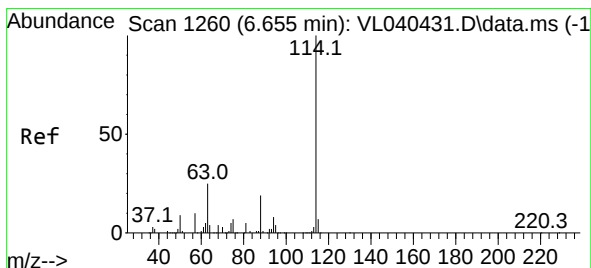
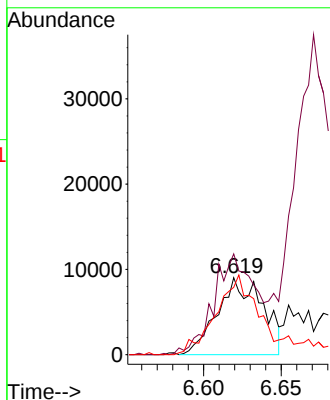
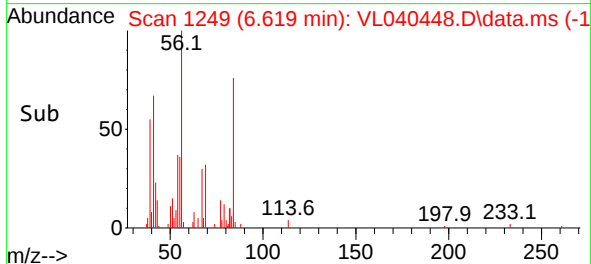
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL



Tgt Ion: 84 Resp: 1827
Ion Ratio Lower Upper
84 100
56 124.1 108.2 162.4
41 110.0 66.9 100.3

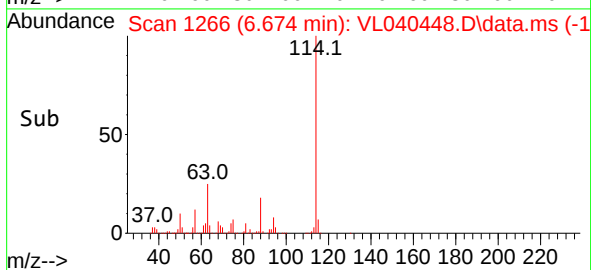
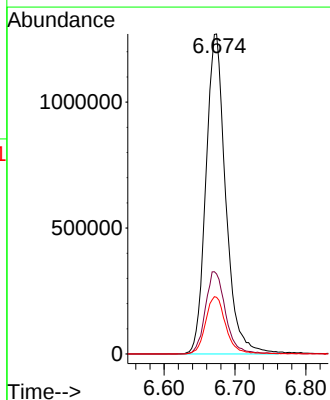
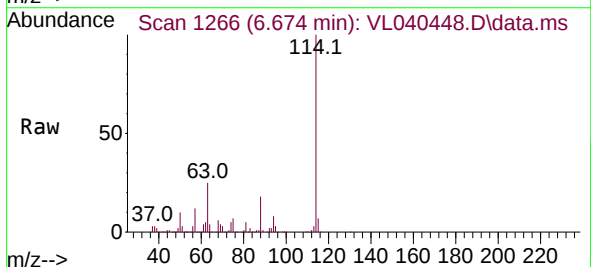
Manual Integrations
APPROVED

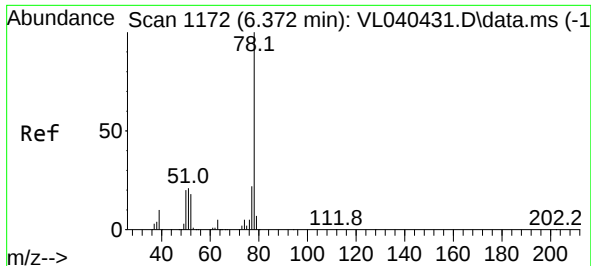
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.674 min Scan# 1266
Delta R.T. 0.003 min
Lab File: VL040448.D
Acq: 16 May 2023 21:53

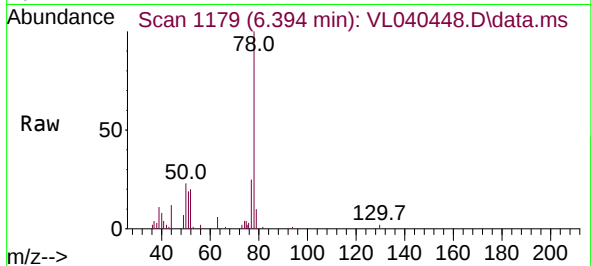
Tgt Ion:114 Resp: 2458673
Ion Ratio Lower Upper
114 100
63 26.6 21.0 31.6
88 18.4 14.6 22.0





#36
Benzene
Concen: 0.153 ppbv m
RT: 6.394 min Scan# 1172
Delta R.T. 0.010 min
Lab File: VL040448.D
Acq: 16 May 2023 21:53

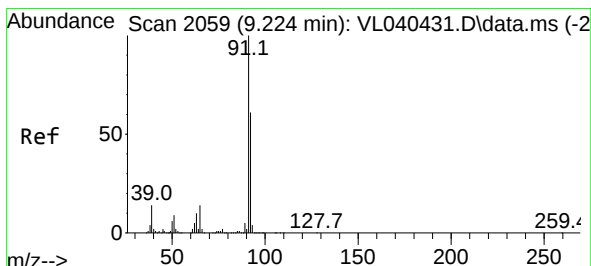
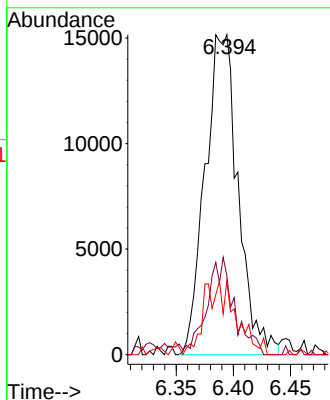
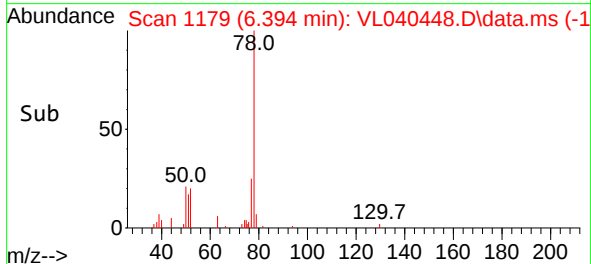
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL



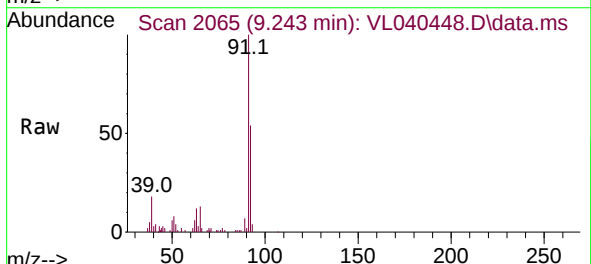
Tgt Ion: 78 Resp: 3054
Ion Ratio Lower Upper
78 100
77 24.8 17.7 26.5
50 23.0 15.8 23.8

Manual Integrations
APPROVED

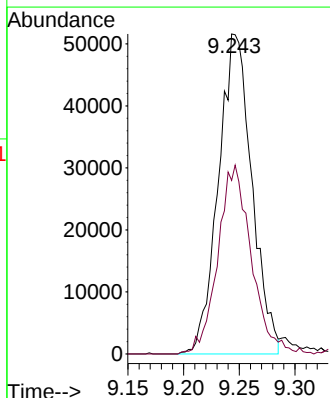
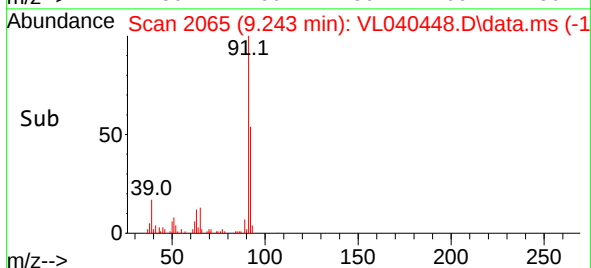
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

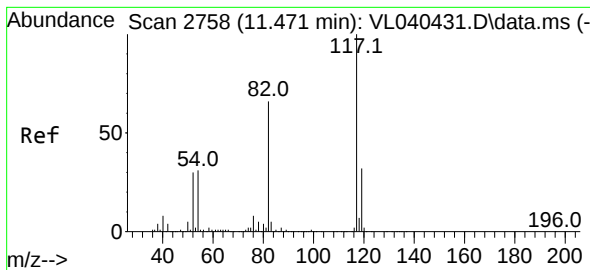


#53
Toluene
Concen: 0.512 ppbv
RT: 9.243 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VL040448.D
Acq: 16 May 2023 21:53



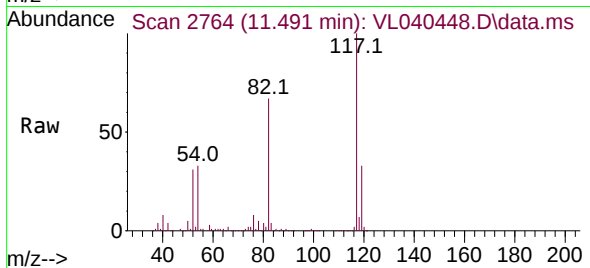
Tgt Ion: 91 Resp: 107934
Ion Ratio Lower Upper
91 100
92 59.0 49.1 73.7





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.491 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040448.D
Acq: 16 May 2023 21:53

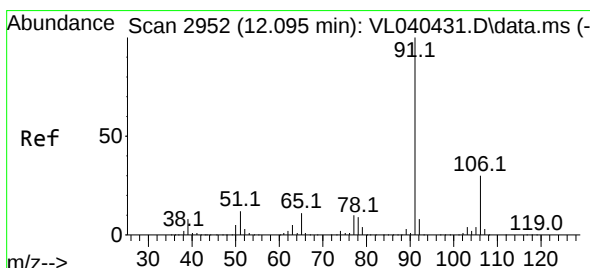
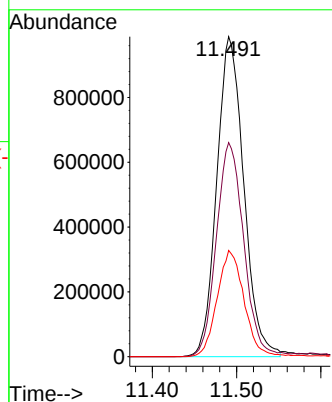
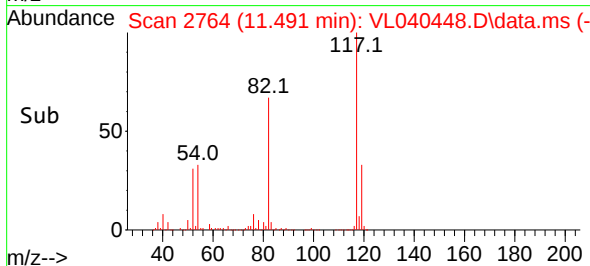
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL



Tgt Ion:117 Resp: 219697
Ion Ratio Lower Upper
117 100
82 69.6 52.5 78.7
119 33.7 24.0 36.0

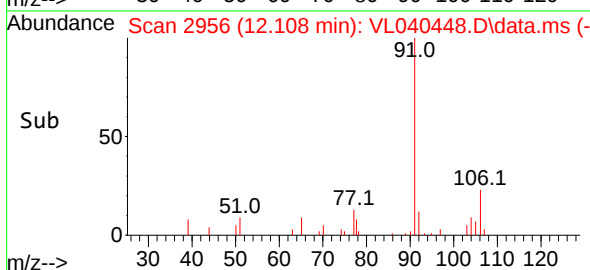
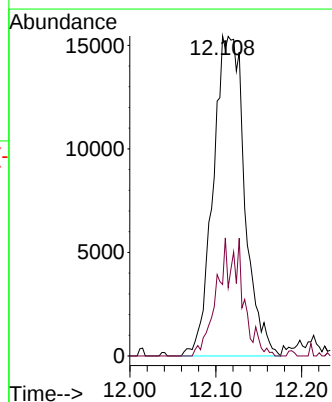
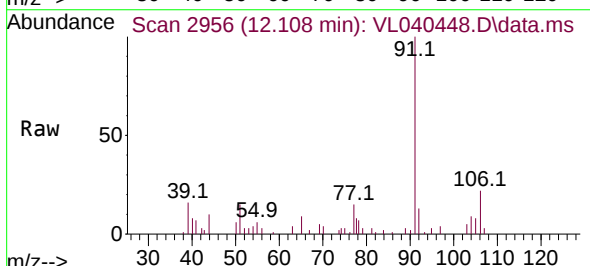
Manual Integrations
APPROVED

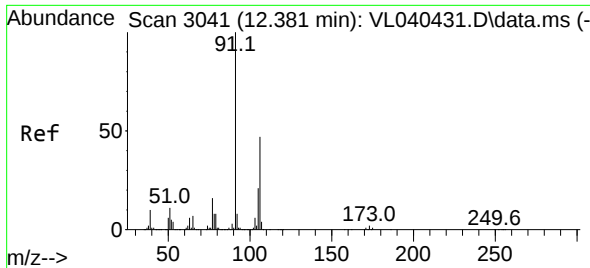
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#58
Ethyl Benzene
Concen: 0.142 ppbv m
RT: 12.108 min Scan# 2956
Delta R.T. -0.003 min
Lab File: VL040448.D
Acq: 16 May 2023 21:53

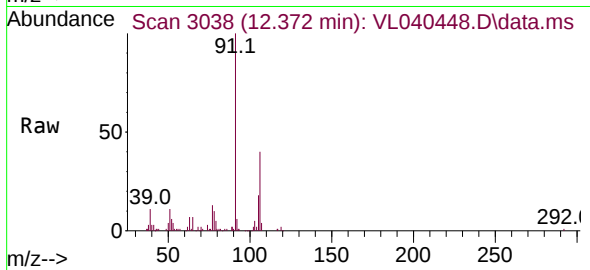
Tgt Ion: 91 Resp: 39373
Ion Ratio Lower Upper
91 100
106 22.3 23.8 35.8#





#59
m/p-Xylene
Concen: 0.557 ppbv m
RT: 12.372 min Scan# 3041
Delta R.T. -0.026 min
Lab File: VL040448.D
Acq: 16 May 2023 21:53

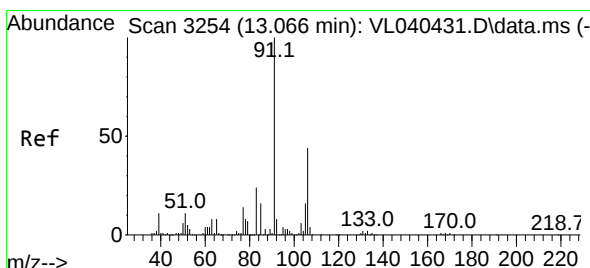
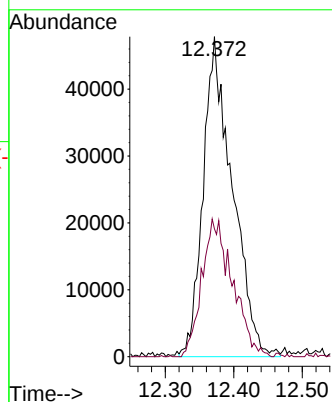
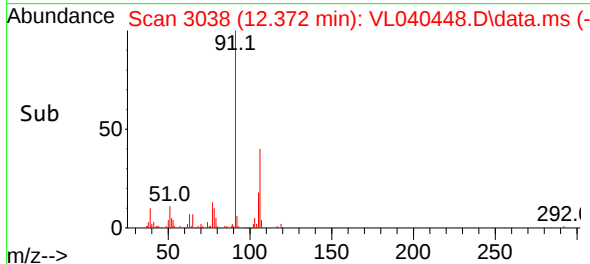
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL



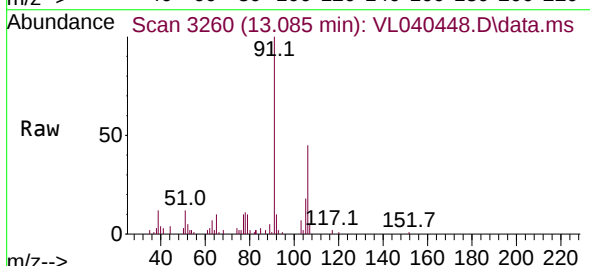
Tgt Ion: 91 Resp: 141328
Ion Ratio Lower Upper
91 100
106 45.3 34.9 52.3

Manual Integrations
APPROVED

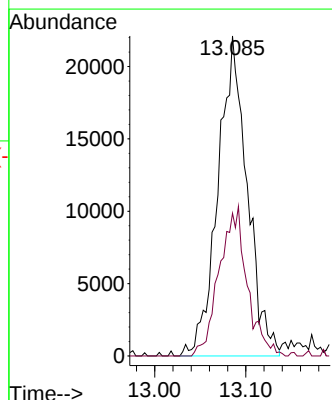
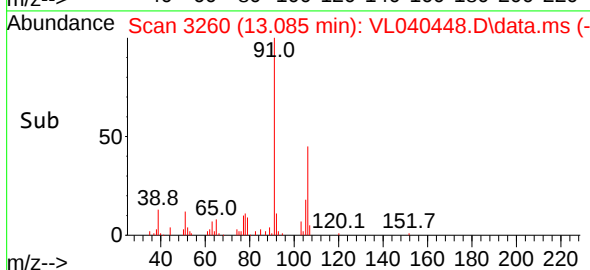
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

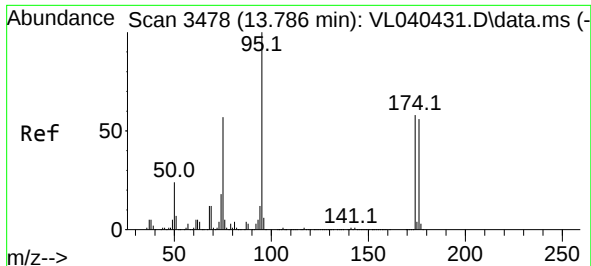


#60
o-Xylene
Concen: 0.204 ppbv m
RT: 13.085 min Scan# 3260
Delta R.T. 0.003 min
Lab File: VL040448.D
Acq: 16 May 2023 21:53



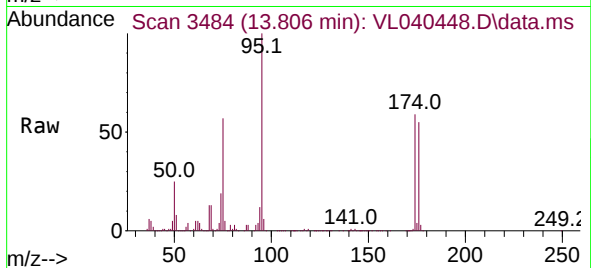
Tgt Ion: 91 Resp: 49339
Ion Ratio Lower Upper
91 100
106 44.8 21.8 65.4





#68
1-Bromo-4-Fluorobenzene
Concen: 10.231 ppbv
RT: 13.806 min Scan# 3478
Delta R.T. 0.007 min
Lab File: VL040448.D
Acq: 16 May 2023 21:53

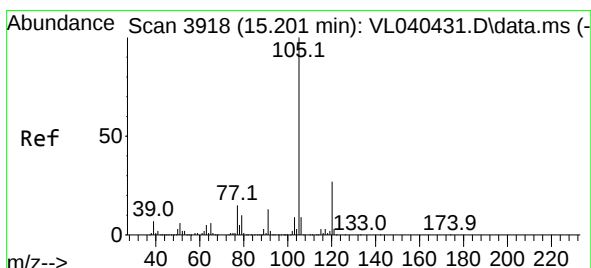
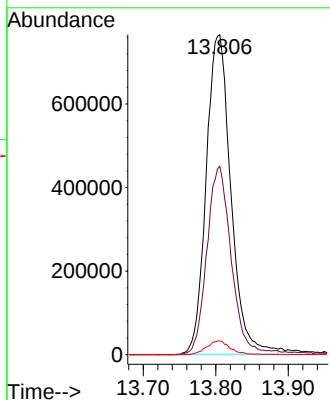
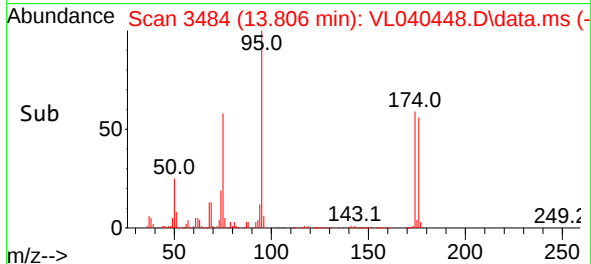
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL



Tgt Ion: 95 Resp: 180732
Ion Ratio Lower Upper
95 100
174 59.7 47.0 70.6
175 4.2 3.4 5.0

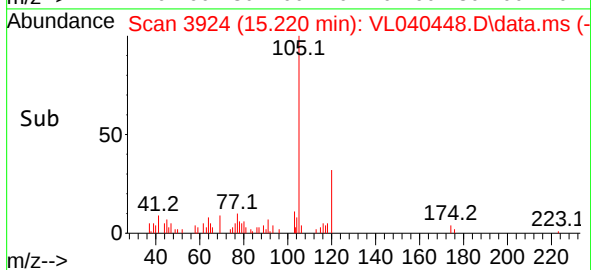
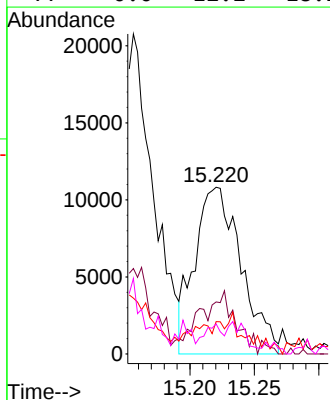
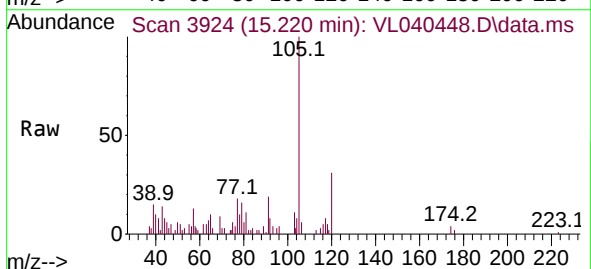
Manual Integrations
APPROVED

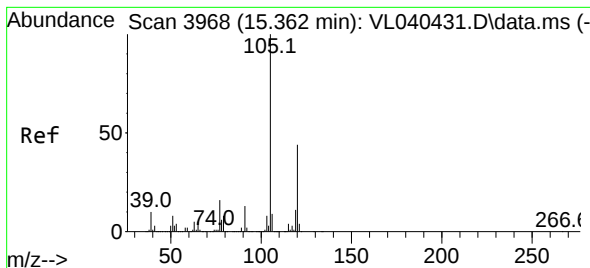
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#72
4-Ethyltoluene
Concen: 0.100 ppbv m
RT: 15.220 min Scan# 3924
Delta R.T. 0.000 min
Lab File: VL040448.D
Acq: 16 May 2023 21:53

Tgt Ion:105 Resp: 27268
Ion Ratio Lower Upper
105 100
120 0.0 23.8 35.8#
91 0.0 11.0 16.4#
77 0.0 12.2 18.2#





#73

1,3,5-Trimethylbenzene

Concen: 0.107 ppbv m

RT: 15.378 min Scan# 3968

Delta R.T. 0.003 min

Lab File: VL040448.D

Acq: 16 May 2023 21:53

Instrument :

MSVOA_L

ClientSampleId :

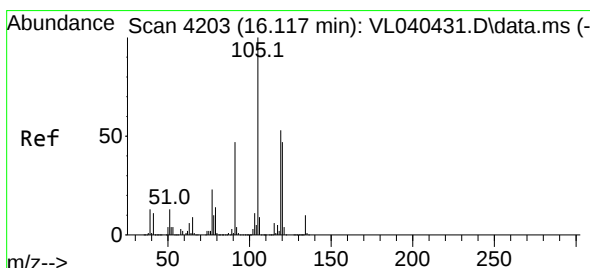
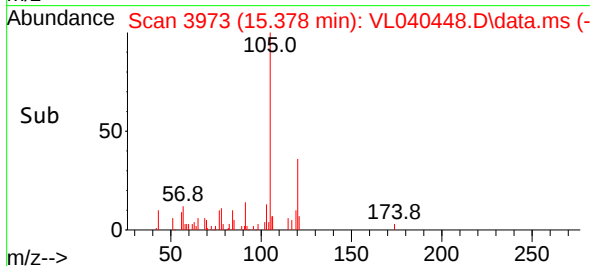
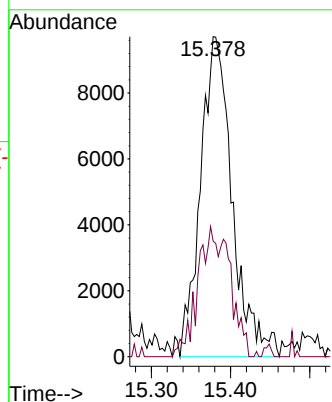
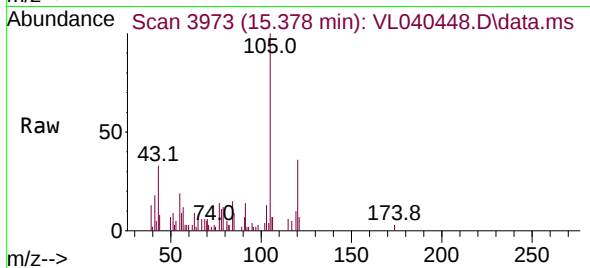
SG-2DL

Tgt Ion:	105	Resp:	26994
Ion Ratio	Lower	Upper	
105	100		
120	36.1	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: 0.234 ppbv m

RT: 16.133 min Scan# 4208

Delta R.T. 0.000 min

Lab File: VL040448.D

Acq: 16 May 2023 21:53

Tgt Ion:	105	Resp:	67596
Ion Ratio	Lower	Upper	
105	100		
120	40.6	38.1	57.1
91	12.1	40.2	60.2#
77	12.7	19.0	28.4#

