

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL039994.D
 Acq On : 13 Dec 2022 2:58
 Operator : SY/MD
 Sample : N5969-01 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/14/2022
 Supervised By :Mahesh Dadoda 12/14/2022

Quant Time: Dec 13 07:13:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug :
 QLast Update : Fri Dec 02 23:21:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.169	49	950552	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.632	114	2778922	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.465	117	2484307	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	2162394	11.396	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	114.000%
Target Compounds						
					Qvalue	
10) Heptane	7.581	43	10848423	72.764	ppbv	93
13) Ethanol	3.224	45	55379m	11.740	ppbv	
20) Methylene Chloride	3.912	84	72655	1.189	ppbv	93
26) Hexane	5.195	57	2520006	24.920	ppbv #	37
30) Cyclohexane	6.587	84	591260m	5.958	ppbv	
36) Benzene	6.346	78	62013m	0.263	ppbv	
44) 2,2,4-Trimethylpentane	7.340	57	44223467m	112.150	ppbv	
52) Tetrachloroethene	10.616	164	28168m	0.319	ppbv	

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

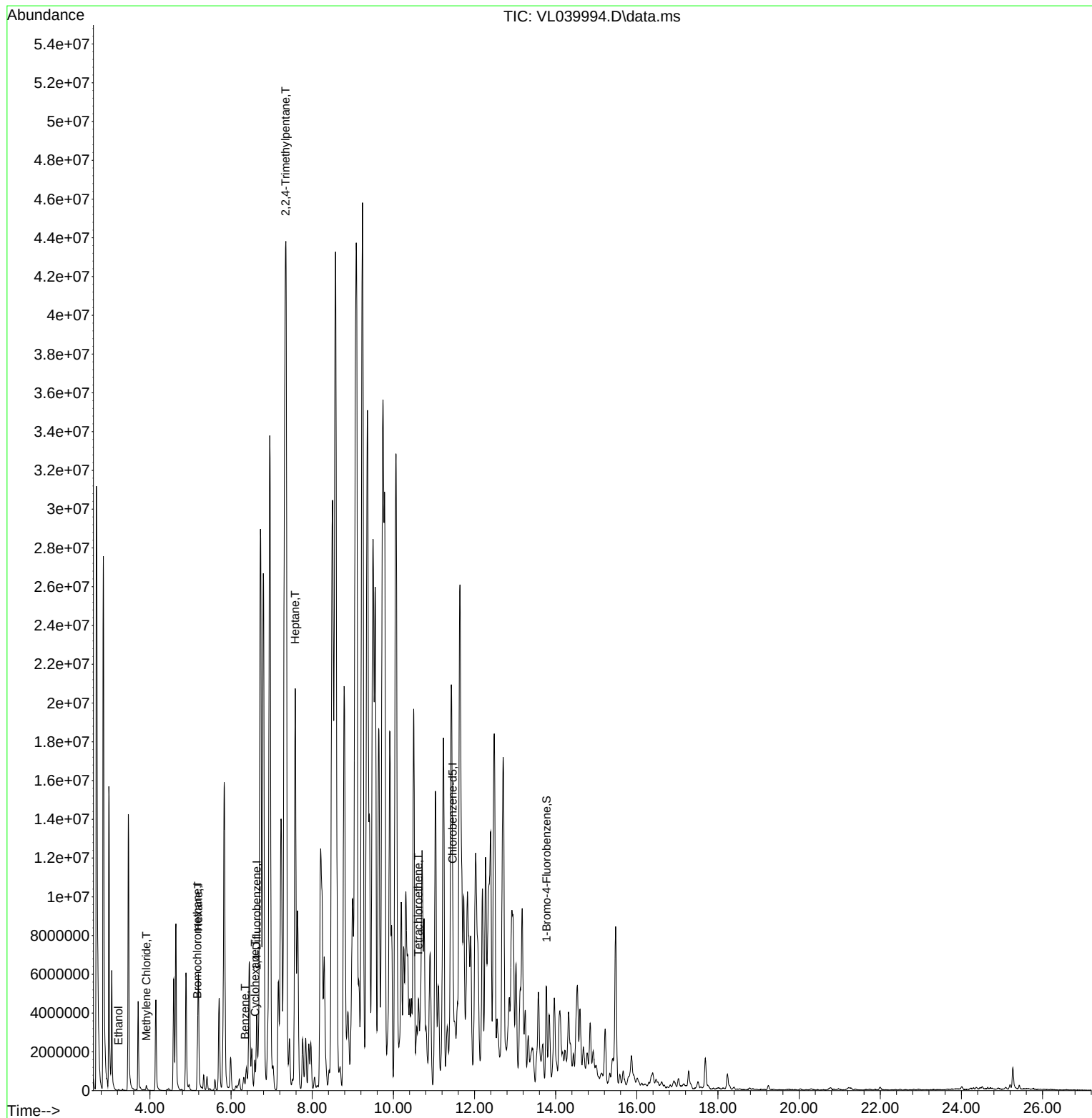
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
Data File : VL039994.D
Acq On : 13 Dec 2022 2:58
Operator : SY/MD
Sample : N5969-01 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

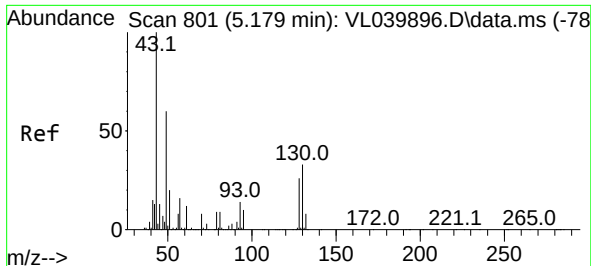
Instrument :
MSVOA_L
ClientSampleId :
SG-1

Quant Time: Dec 13 07:13:39 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Dec 02 23:21:36 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

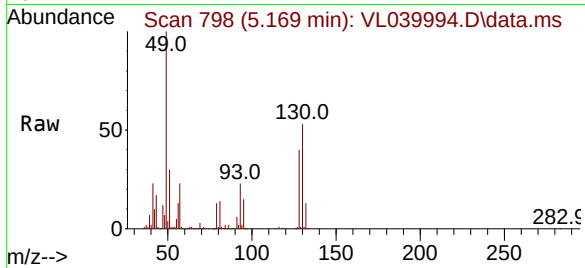
Reviewed By : Semsettin Yesilyurt 12/14/2022
Supervised By : Mahesh Dadoda 12/14/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.169 min Scan# 798
Delta R.T. 0.013 min
Lab File: VL039994.D
Acq: 13 Dec 2022 2:58

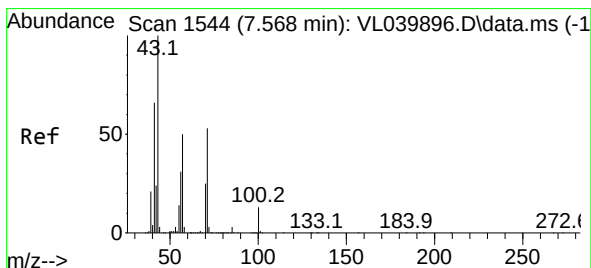
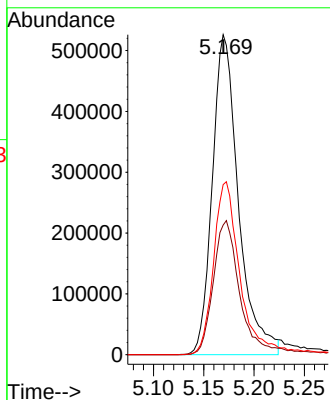
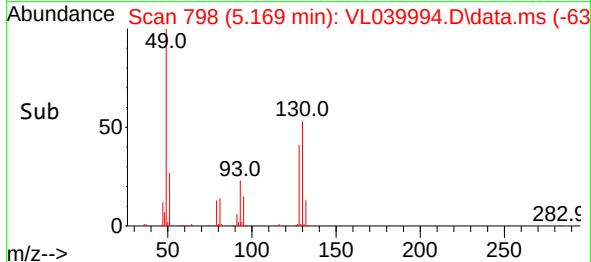
Instrument :
MSVOA_L
ClientSampleId :
SG-1



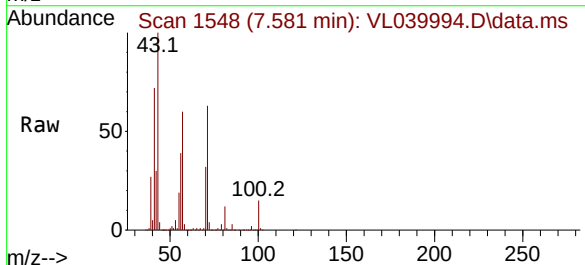
Tgt Ion: 49 Resp: 950552
Ion Ratio Lower Upper
49 100
128 43.7 22.1 66.3
130 56.7 27.7 83.1

Manual Integrations
APPROVED

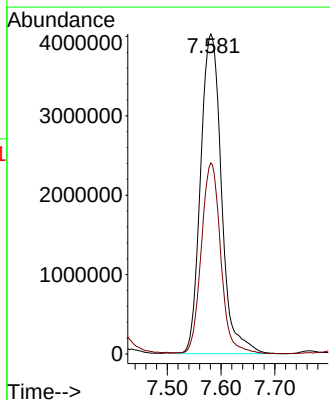
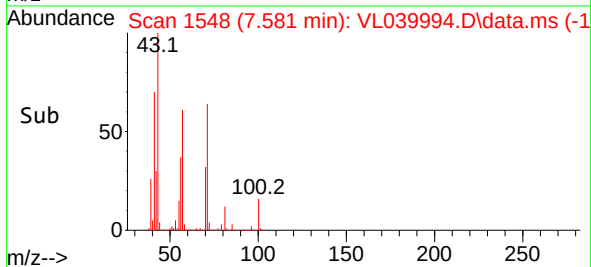
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

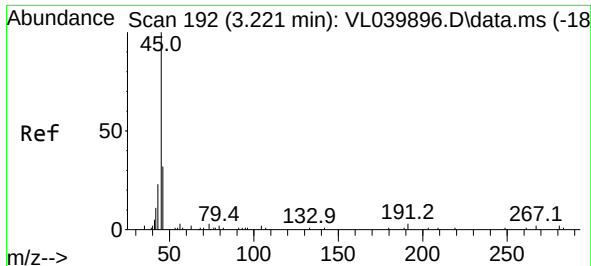


#10
Heptane
Concen: 72.764 ppbv
RT: 7.581 min Scan# 1548
Delta R.T. 0.035 min
Lab File: VL039994.D
Acq: 13 Dec 2022 2:58



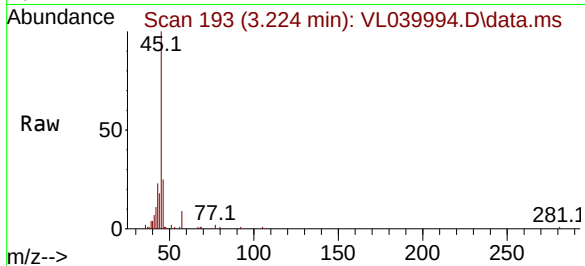
Tgt Ion: 43 Resp:10848423
Ion Ratio Lower Upper
43 100
57 55.7 40.7 61.1





#13
Ethanol
Concen: 11.740 ppbv m
RT: 3.224 min Scan# 192
Delta R.T. 0.010 min
Lab File: VL039994.D
Acq: 13 Dec 2022 2:58

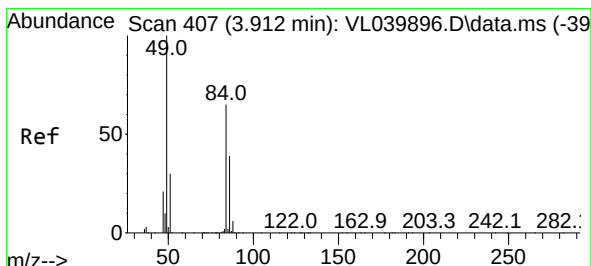
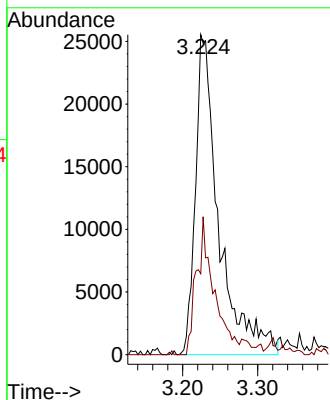
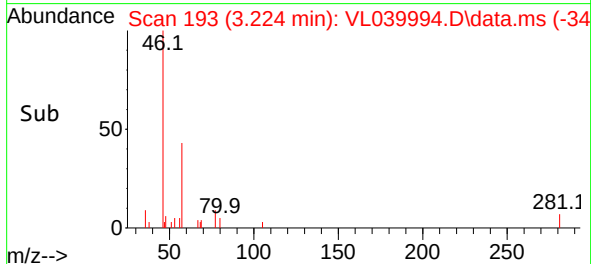
Instrument :
MSVOA_L
ClientSampleId :
SG-1



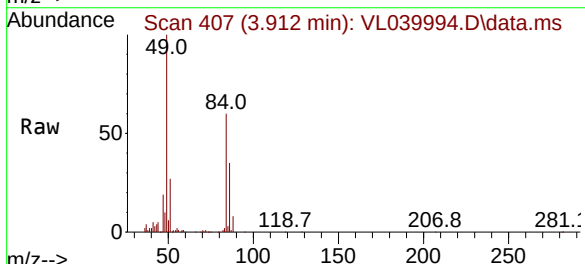
Tgt Ion: 45 Resp: 55379
Ion Ratio Lower Upper
45 100
46 35.5 14.6 58.2

Manual Integrations
APPROVED

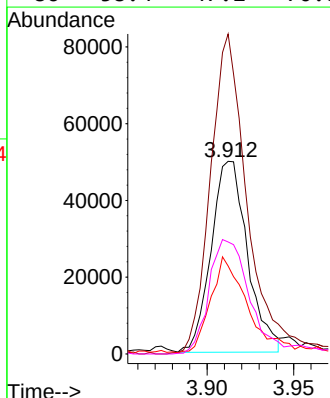
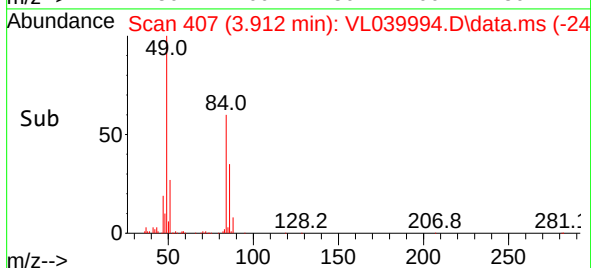
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

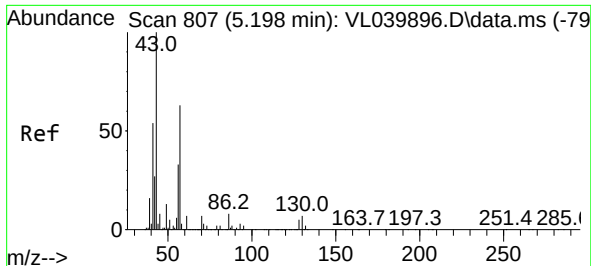


#20
Methylene Chloride
Concen: 1.189 ppbv
RT: 3.912 min Scan# 407
Delta R.T. 0.016 min
Lab File: VL039994.D
Acq: 13 Dec 2022 2:58



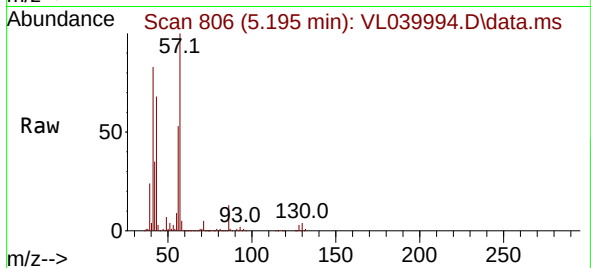
Tgt Ion: 84 Resp: 72655
Ion Ratio Lower Upper
84 100
49 167.0 122.2 183.4
51 45.5 36.3 54.5
86 58.4 47.2 70.8





#26
Hexane
Concen: 24.920 ppbv
RT: 5.195 min Scan# 807
Delta R.T. 0.019 min
Lab File: VL039994.D
Acq: 13 Dec 2022 2:58

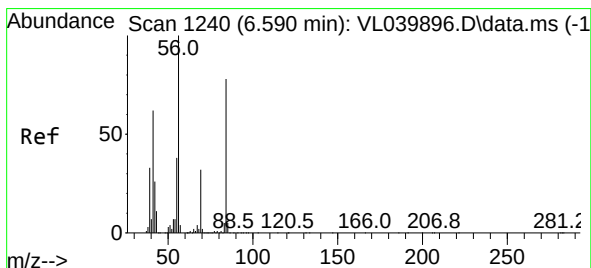
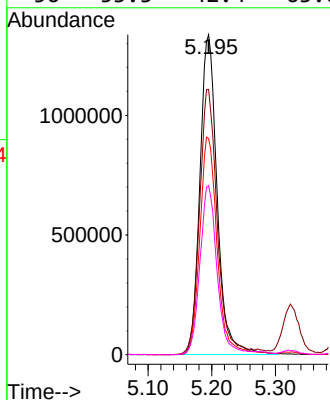
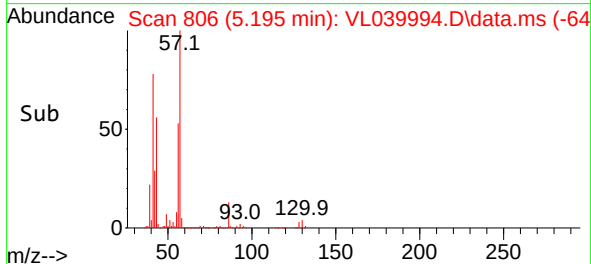
Instrument :
MSVOA_L
ClientSampleId :
SG-1



Tgt Ion: 57 Resp: 2520000
Ion Ratio Lower Upper
57 100
41 86.2 72.3 108.5
43 68.6 188.7 283.1
56 53.3 42.4 63.6

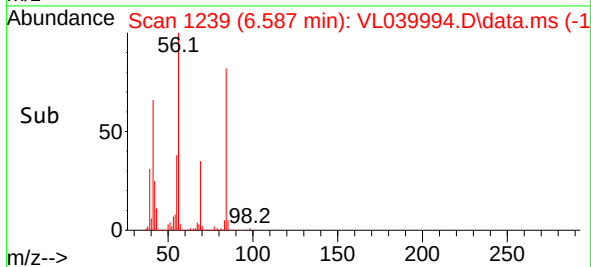
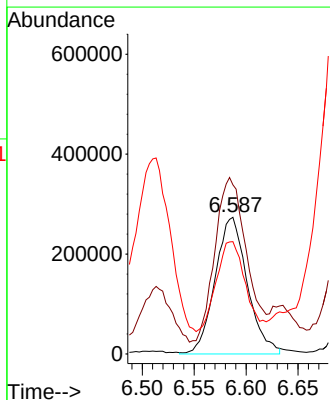
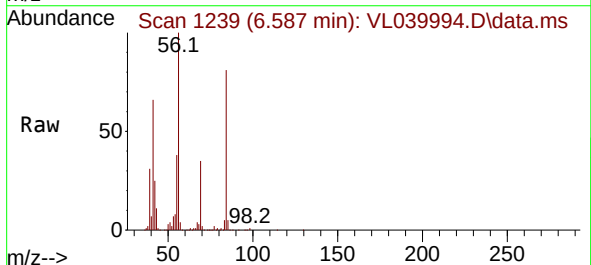
Manual Integrations
APPROVED

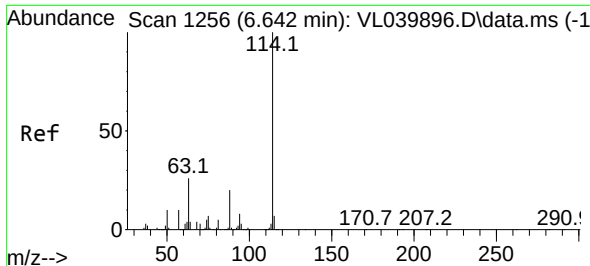
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#30
Cyclohexane
Concen: 5.958 ppbv m
RT: 6.587 min Scan# 1239
Delta R.T. 0.023 min
Lab File: VL039994.D
Acq: 13 Dec 2022 2:58

Tgt Ion: 84 Resp: 591260
Ion Ratio Lower Upper
84 100
56 0.0 112.5 168.7#
41 0.0 67.8 101.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.632 min Scan# 11

Delta R.T. 0.013 min

Lab File: VL039994.D

Acq: 13 Dec 2022 2:58

Instrument :

MSVOA_L

ClientSampleId :

SG-1

Tgt Ion:114 Resp: 277892

Ion Ratio Lower Upper

114 100

63 26.0 21.4 32.0

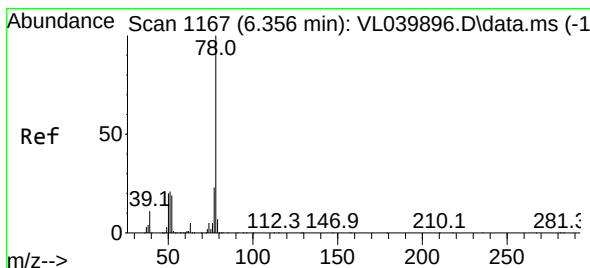
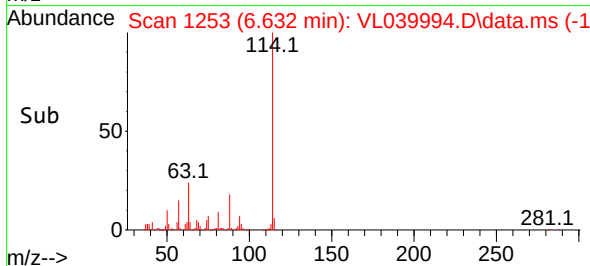
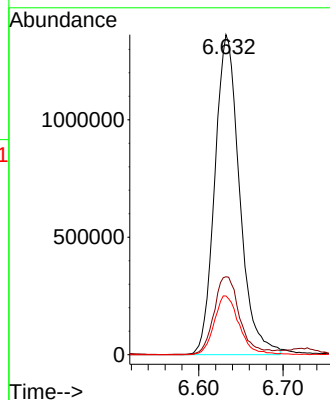
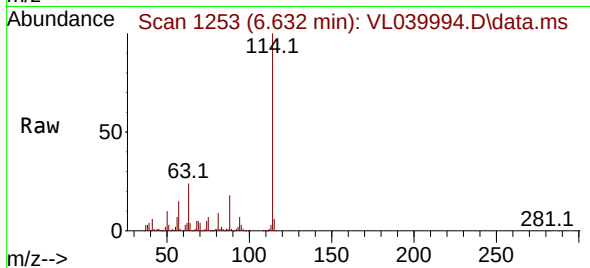
88 18.6 15.3 22.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/14/2022

Supervised By :Mahesh Dadoda 12/14/2022



#36

Benzene

Concen: 0.263 ppbv m

RT: 6.346 min Scan# 1164

Delta R.T. 0.013 min

Lab File: VL039994.D

Acq: 13 Dec 2022 2:58

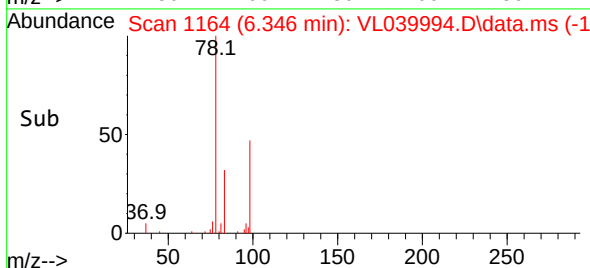
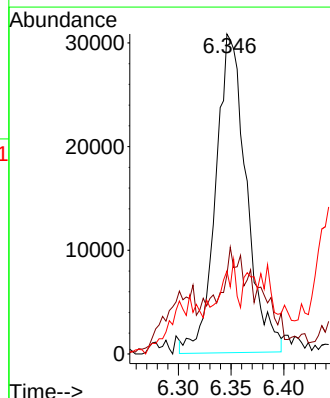
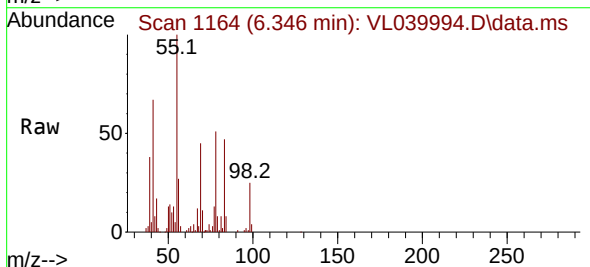
Tgt Ion: 78 Resp: 62013

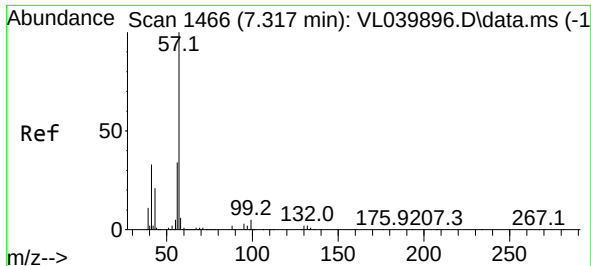
Ion Ratio Lower Upper

78 100

77 24.7 18.2 27.2

50 25.9 15.8 23.8#





#44

2,2,4-Trimethylpentane

Concen: 112.150 ppbv m

RT: 7.340 min Scan# 1466

Delta R.T. 0.048 min

Lab File: VL039994.D

Acq: 13 Dec 2022 2:58

Instrument :

MSVOA_L

ClientSampleId :

SG-1

Tgt Ion: 57 Resp: 4422346

Ion Ratio Lower Upper

57 100

41 63.3 26.2 39.2

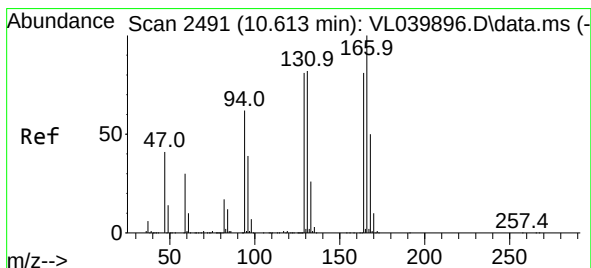
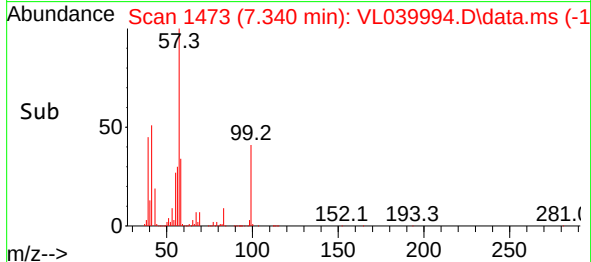
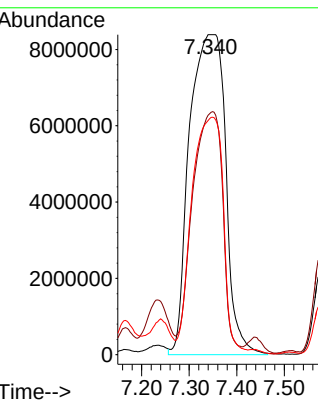
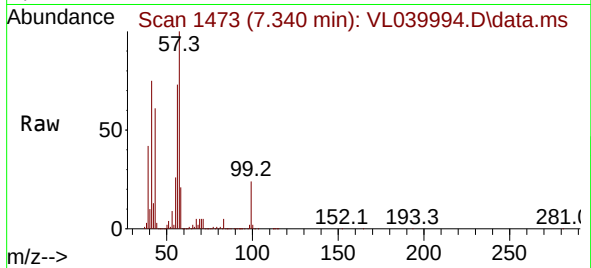
56 64.7 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/14/2022

Supervised By :Mahesh Dadoda 12/14/2022



#52

Tetrachloroethene

Concen: 0.319 ppbv m

RT: 10.616 min Scan# 2492

Delta R.T. 0.035 min

Lab File: VL039994.D

Acq: 13 Dec 2022 2:58

Tgt Ion: 164 Resp: 28168

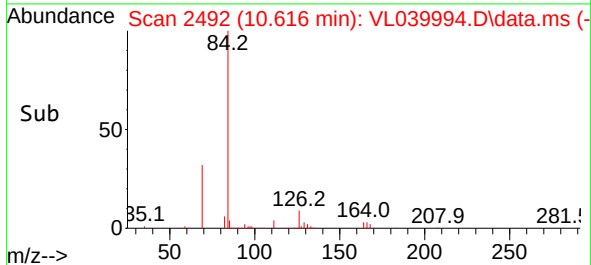
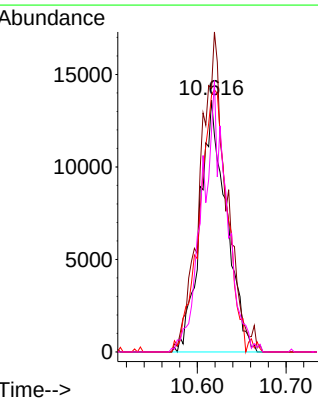
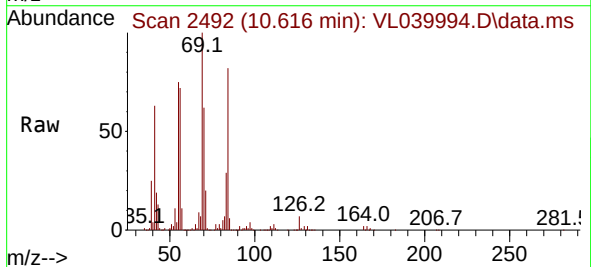
Ion Ratio Lower Upper

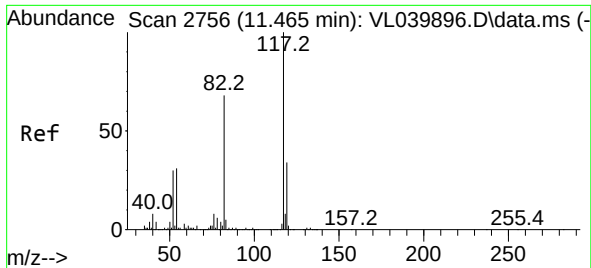
164 100

166 104.7 98.3 147.5

129 102.1 79.7 119.5

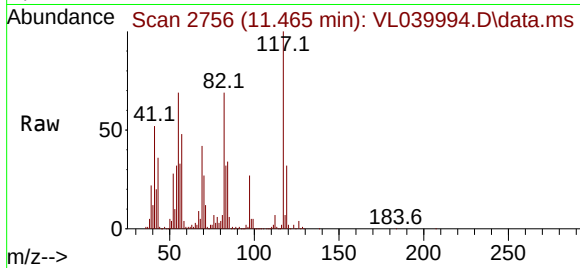
131 88.0 80.2 120.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 21
Delta R.T. 0.032 min
Lab File: VL039994.D
Acq: 13 Dec 2022 2:58

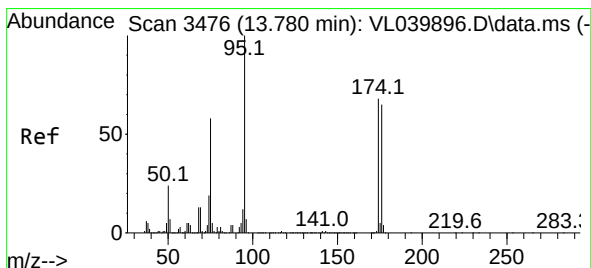
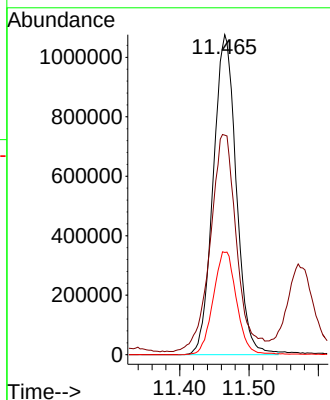
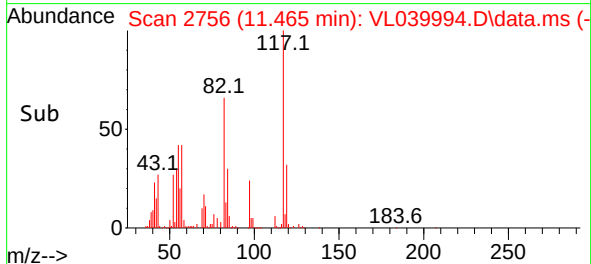
Instrument :
MSVOA_L
ClientSampleId :
SG-1



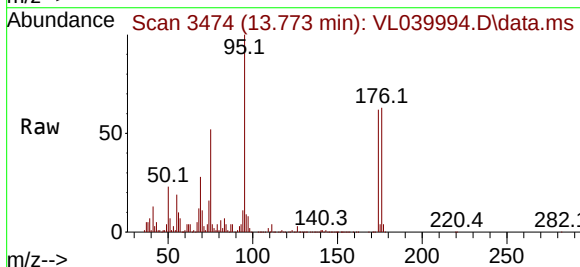
Tgt Ion: 117 Resp: 248430
Ion Ratio Lower Upper
117 100
82 77.0 52.3 78.5
119 32.8 25.7 38.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 11.396 ppbv
RT: 13.773 min Scan# 3474
Delta R.T. 0.032 min
Lab File: VL039994.D
Acq: 13 Dec 2022 2:58



Tgt Ion: 95 Resp: 2162394
Ion Ratio Lower Upper
95 100
174 63.4 53.7 80.5
175 4.5 4.0 6.0

