

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
 Data File : VL041450.D
 Acq On : 30 Jul 2024 5:14
 Operator : SY/MD
 Sample : P3342-13DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ACVI-AA01DL

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/30/2024
 Supervised By :Semsettin Yesilyurt 07/30/2024

Quant Time: Jul 30 06:49:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
 QLast Update : Tue Jul 30 02:42:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1045510	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.655	114	2813918	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2570607	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1971240	9.965	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%
Target Compounds						
					Qvalue	
10) Heptane	7.581	43	30086	0.234	ppbv	93
13) Ethanol	3.253	45	84452	16.526	ppbv	98
19) Isopropyl Alcohol	3.597	45	56498	0.814	ppbv #	93
20) Methylene Chloride	3.941	84	29554	0.667	ppbv #	87
26) Hexane	5.221	57	117722	1.202	ppbv #	42
34) 2-Butanone	4.806	43	16263m	0.119	ppbv	
36) Benzene	6.375	78	46037m	0.224	ppbv	
44) 2,2,4-Trimethylpentane	7.327	57	75555m	0.220	ppbv	
53) Toluene	9.220	91	317469	1.386	ppbv	100
58) Ethyl Benzene	12.089	91	52795	0.178	ppbv	94
59) m/p-Xylene	12.339	91	81954m	0.320	ppbv	
60) o-Xylene	13.060	91	30826m	0.127	ppbv	
61) Styrene	12.896	104	22889m	0.210	ppbv	

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

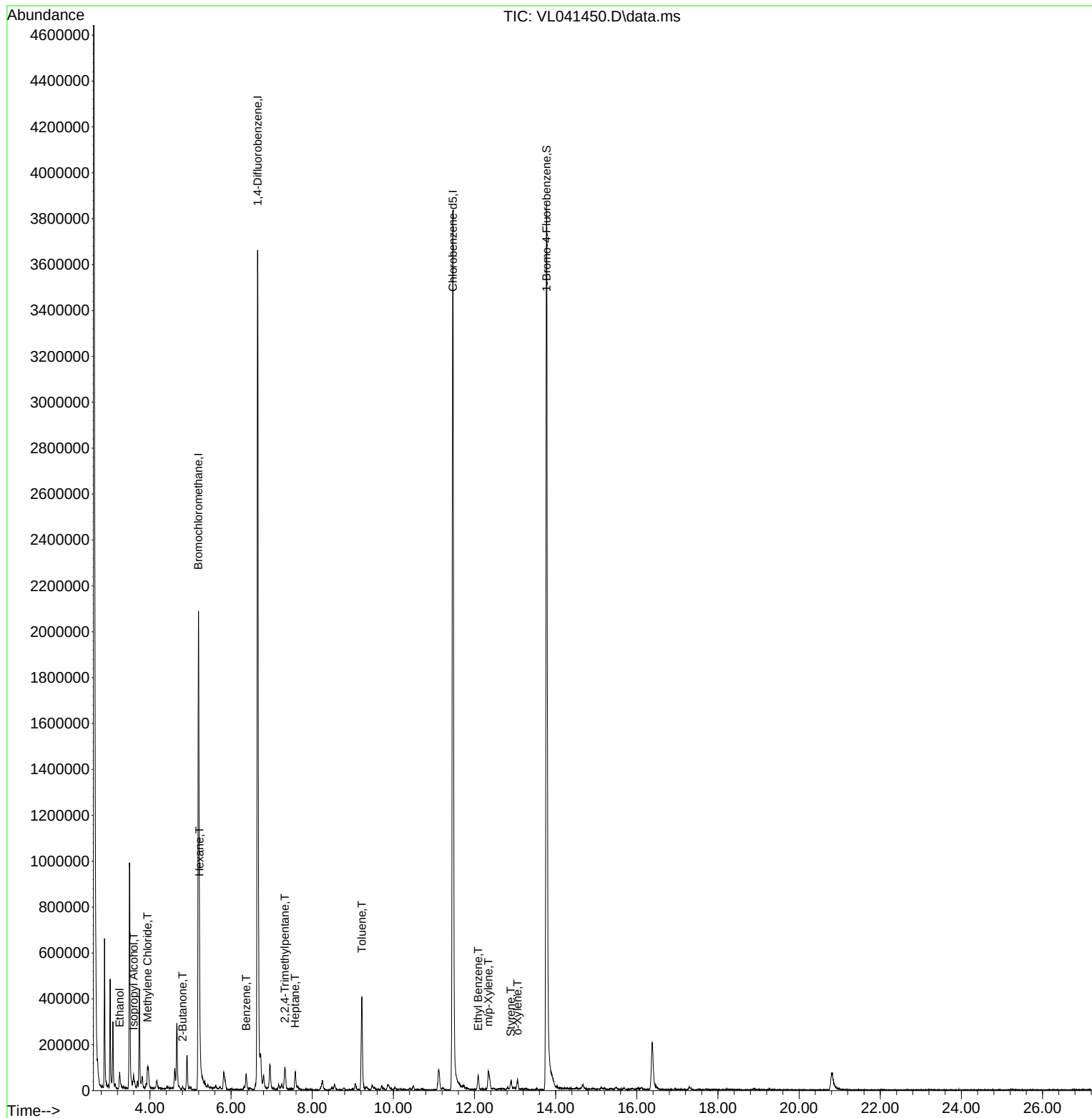
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
Data File : VL041450.D
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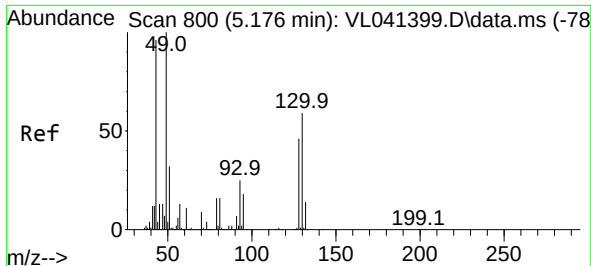
Instrument :
MSVOA_L
ClientSampleId :
ACVI-AA01DL

Quant Time: Jul 30 06:49:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
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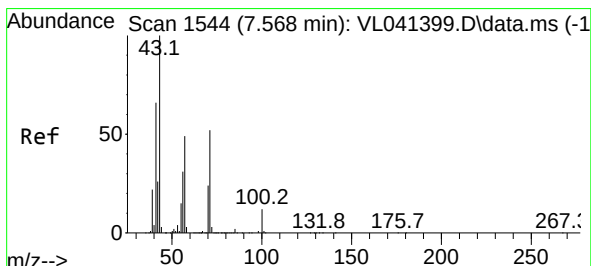
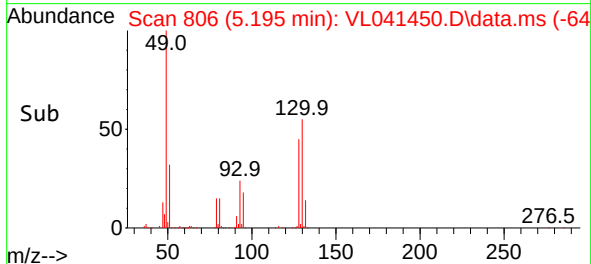
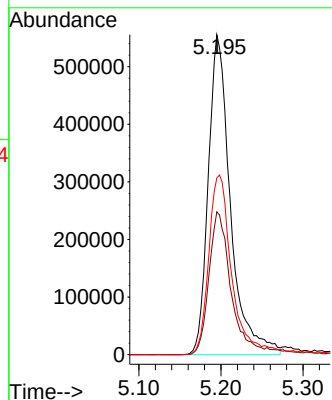
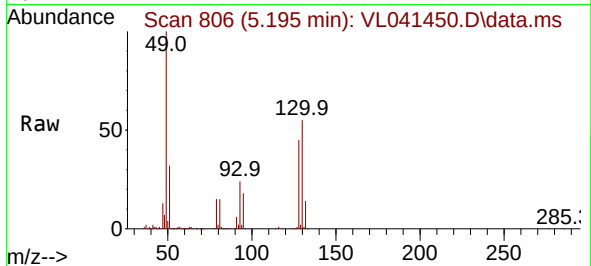
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 800
Delta R.T. 0.016 min
Lab File: VL041450.D
Acq: 30 Jul 2024 5:14

Instrument :
MSVOA_L
ClientSampleId :
ACVI-AA01DL

Tgt Ion: 49 Resp: 1045510
Ion Ratio Lower Upper
49 100
128 46.1 23.8 71.4
130 60.6 30.8 92.4

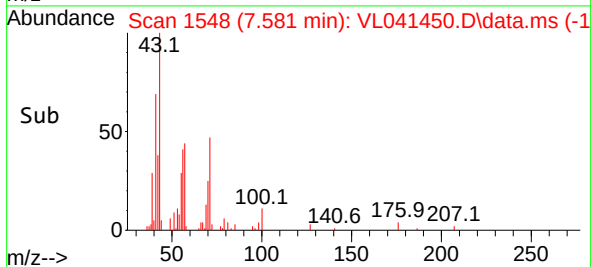
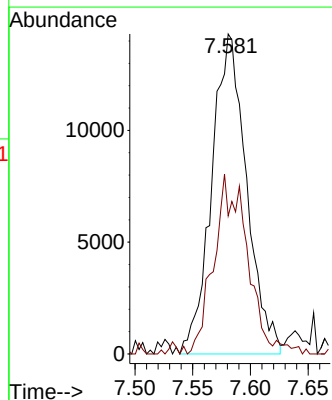
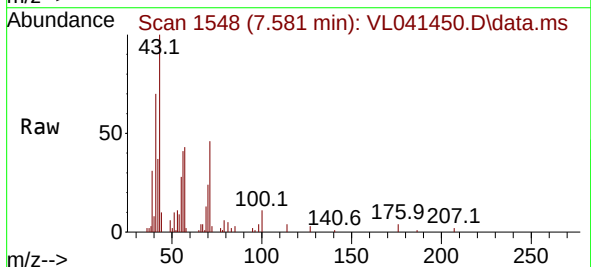
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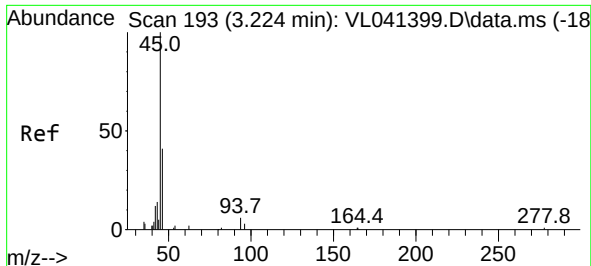
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#10
Heptane
Concen: 0.234 ppbv
RT: 7.581 min Scan# 1548
Delta R.T. 0.010 min
Lab File: VL041450.D
Acq: 30 Jul 2024 5:14

Tgt Ion: 43 Resp: 30086
Ion Ratio Lower Upper
43 100
57 55.2 40.5 60.7





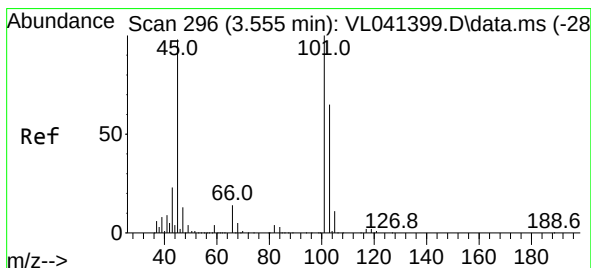
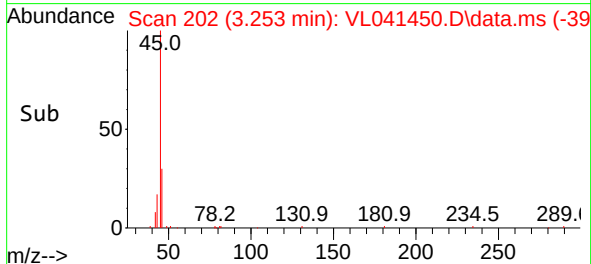
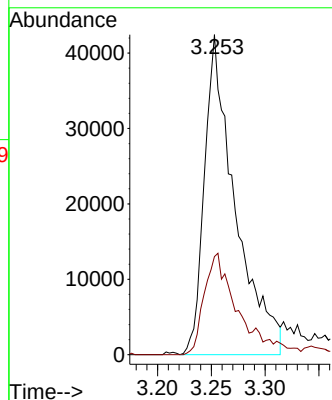
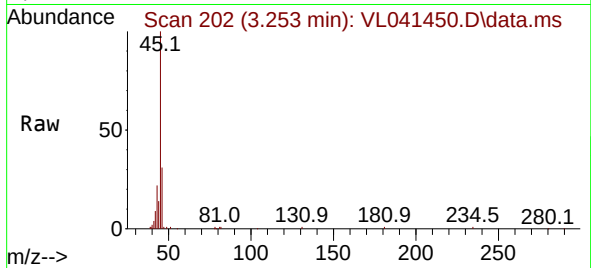
#13
Ethanol
Concen: 16.526 ppbv
RT: 3.253 min Scan# 20
Delta R.T. 0.026 min
Lab File: VL041450.D
Acq: 30 Jul 2024 5:14

Instrument :
MSVOA_L
ClientSampleId :
ACVI-AA01DL

Tgt Ion: 45 Resp: 84452
Ion Ratio Lower Upper
45 100
46 34.8 13.4 53.4

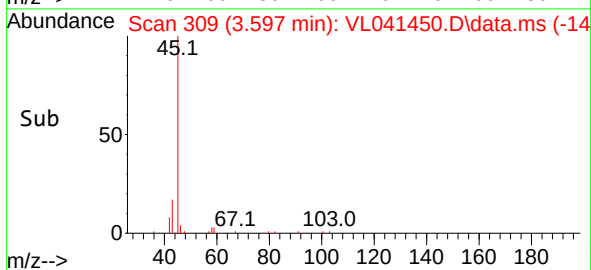
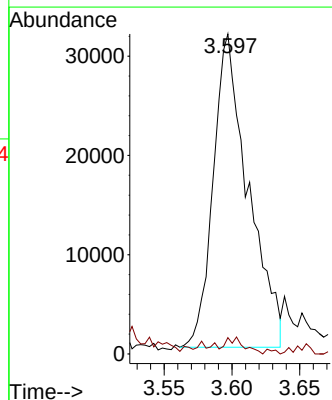
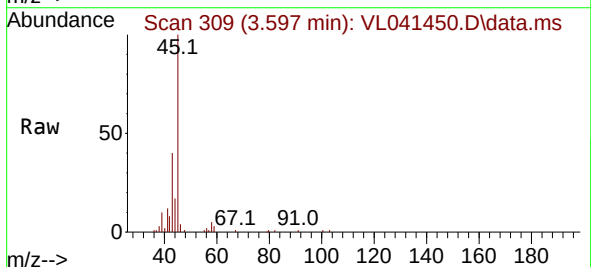
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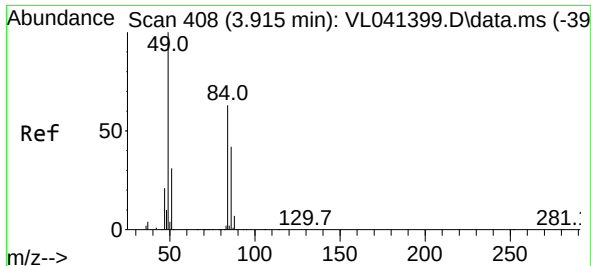
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#19
Isopropyl Alcohol
Concen: 0.814 ppbv
RT: 3.597 min Scan# 309
Delta R.T. 0.035 min
Lab File: VL041450.D
Acq: 30 Jul 2024 5:14

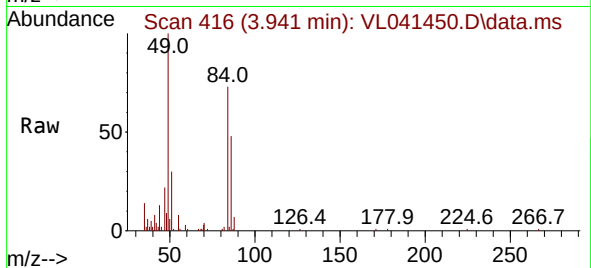
Tgt Ion: 45 Resp: 56498
Ion Ratio Lower Upper
45 100
58 4.9 1.9 2.9#





#20
Methylene Chloride
Concen: 0.667 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.022 min
Lab File: VL041450.D
Acq: 30 Jul 2024 5:14

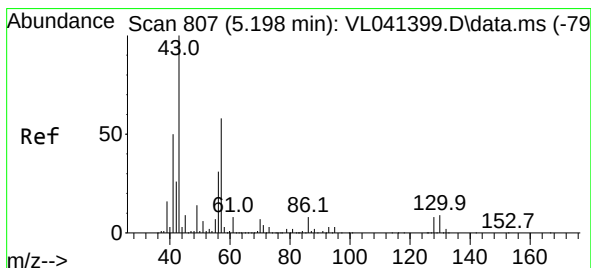
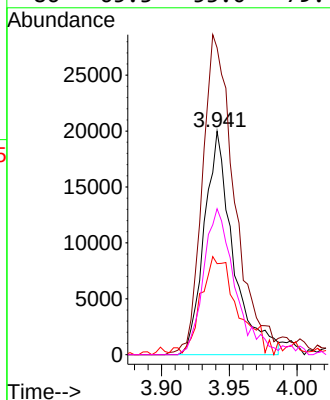
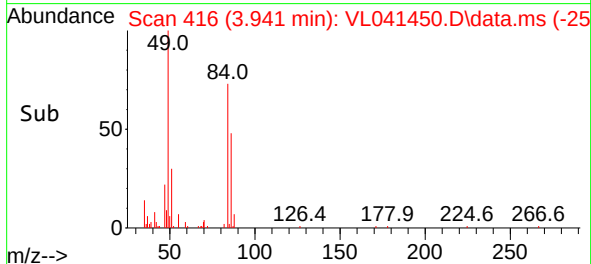
Instrument :
MSVOA_L
ClientSampleId :
ACVI-AA01DL



Tgt Ion: 84 Resp: 29554
Ion Ratio Lower Upper
84 100
49 135.5 126.6 190.0
51 37.7 38.6 58.0
86 65.3 53.0 79.4

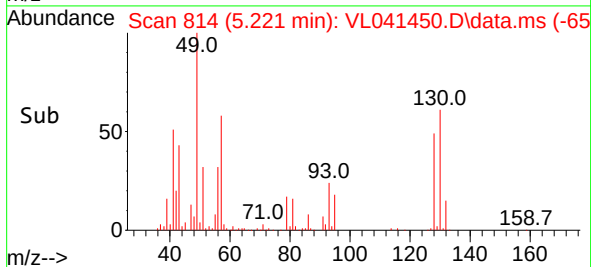
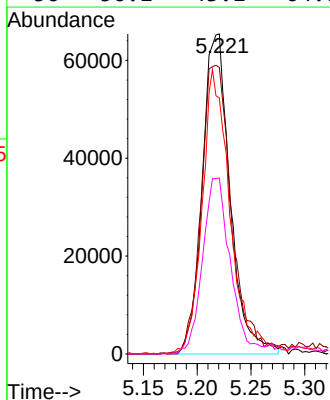
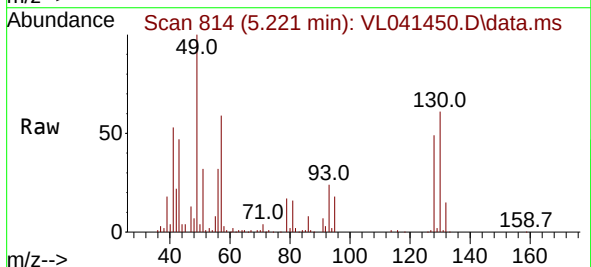
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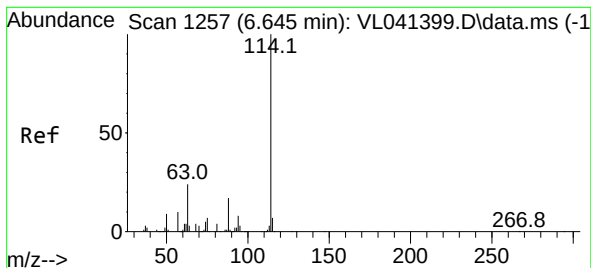
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#26
Hexane
Concen: 1.202 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.022 min
Lab File: VL041450.D
Acq: 30 Jul 2024 5:14

Tgt Ion: 57 Resp: 117722
Ion Ratio Lower Upper
57 100
41 101.3 74.0 111.0
43 89.6 193.6 290.4#
56 56.1 43.1 64.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 1

Delta R.T. 0.010 min

Lab File: VL041450.D

Acq: 30 Jul 2024 5:14

Instrument :

MSVOA_L

ClientSampleId :

ACVI-AA01DL

Tgt Ion:114 Resp: 2813918

Ion Ratio Lower Upper

114 100

63 25.1 20.3 30.5

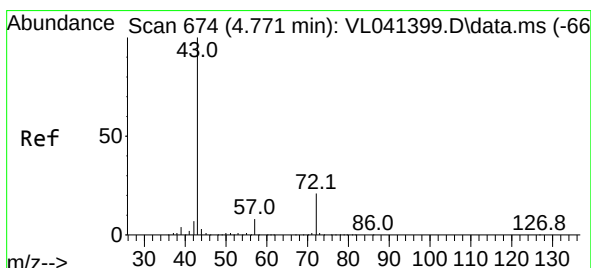
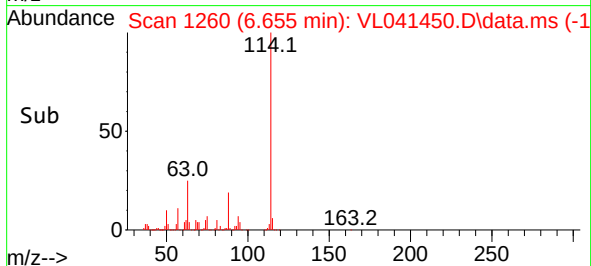
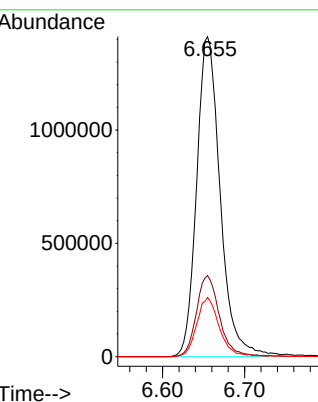
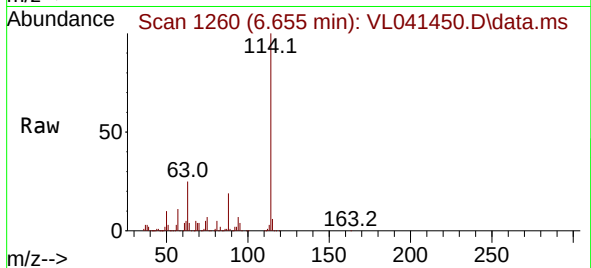
88 18.0 14.3 21.5

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/30/2024

Supervised By :Semsettin Yesilyurt 07/30/2024



#34

2-Butanone

Concen: 0.119 ppbv m

RT: 4.806 min Scan# 685

Delta R.T. 0.032 min

Lab File: VL041450.D

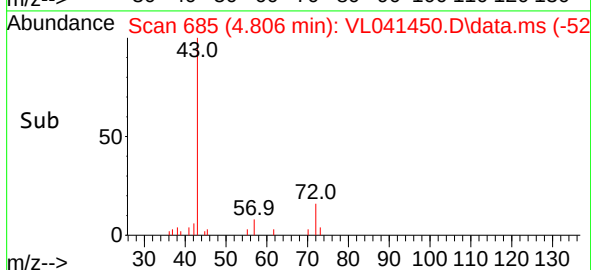
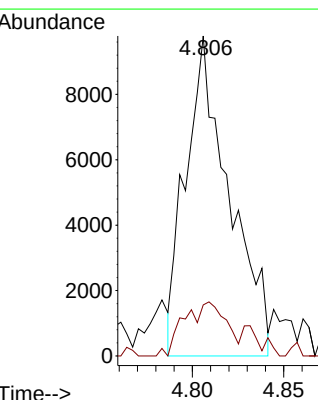
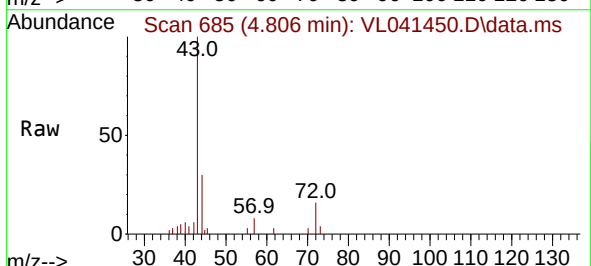
Acq: 30 Jul 2024 5:14

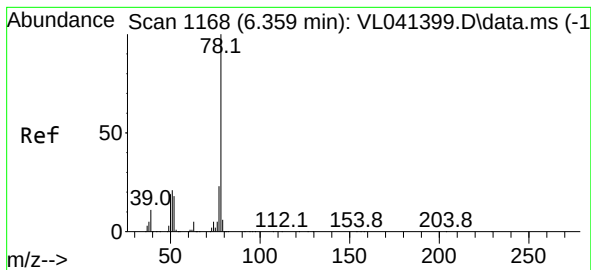
Tgt Ion: 43 Resp: 16263

Ion Ratio Lower Upper

43 100

72 20.3 17.3 25.9





#36

Benzene

Concen: 0.224 ppbv m

RT: 6.375 min Scan# 1168

Delta R.T. 0.016 min

Lab File: VL041450.D

Acq: 30 Jul 2024 5:14

Instrument :

MSVOA_L

ClientSampleId :

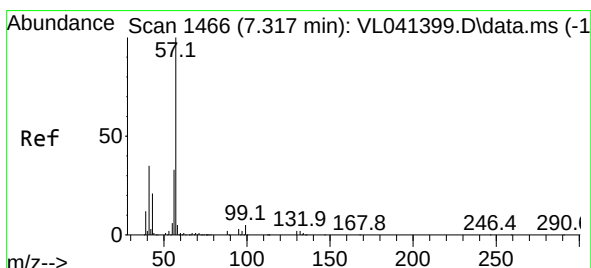
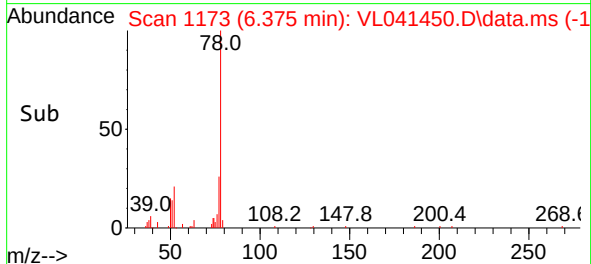
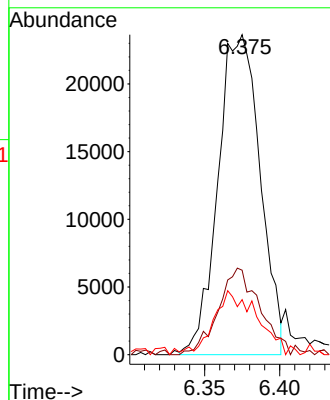
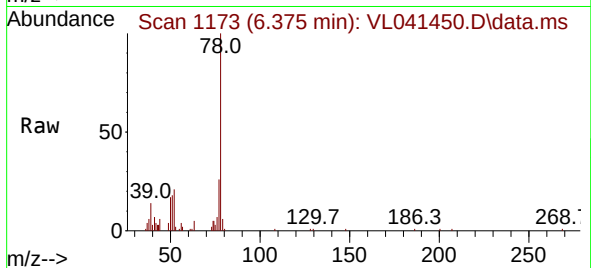
ACVI-AA01DL

Tgt Ion: 78	Resp: 4603
Ion Ratio	Lower Upper
78 100	
77 26.4	18.1 27.1
50 17.2	15.5 23.3

Manual Integrations

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Supervised By :Semsettin Yesilyurt 07/30/2024



#44

2,2,4-Trimethylpentane

Concen: 0.220 ppbv m

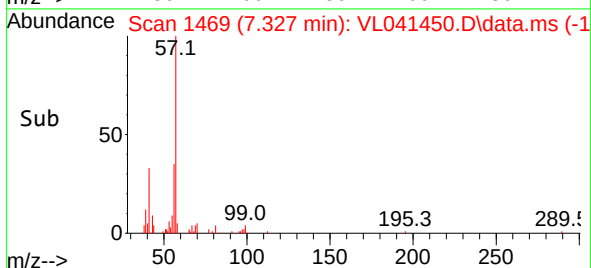
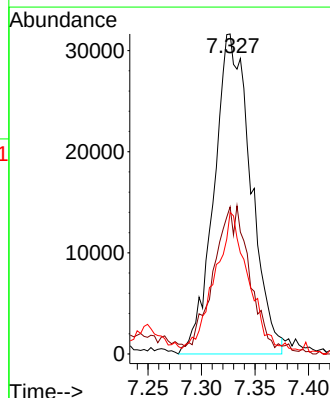
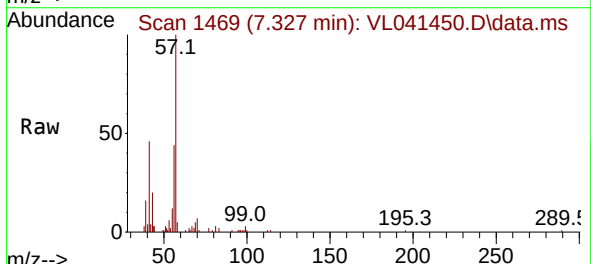
RT: 7.327 min Scan# 1469

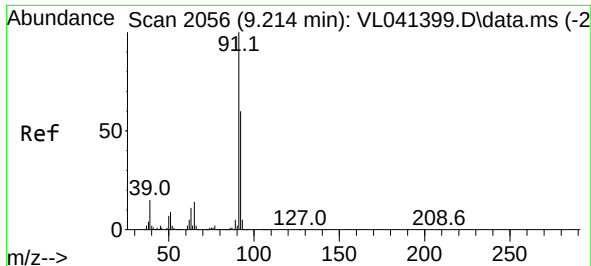
Delta R.T. 0.010 min

Lab File: VL041450.D

Acq: 30 Jul 2024 5:14

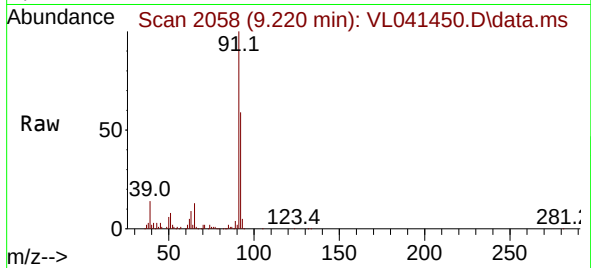
Tgt Ion: 57	Resp: 7555
Ion Ratio	Lower Upper
57 100	
41 0.0	27.0 40.6#
56 43.2	25.2 37.8#





#53
Toluene
Concen: 1.386 ppbv
RT: 9.220 min Scan# 2056
Delta R.T. 0.003 min
Lab File: VL041450.D
Acq: 30 Jul 2024 5:14

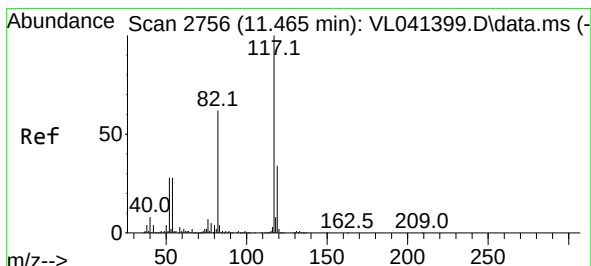
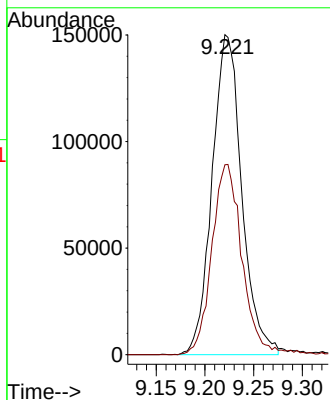
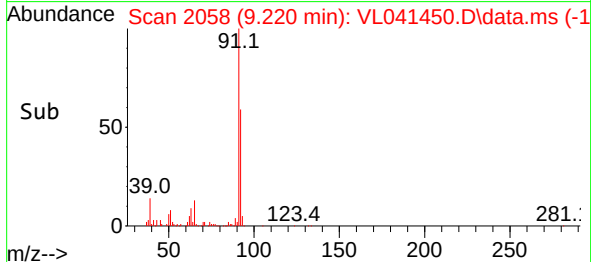
Instrument :
MSVOA_L
ClientSampleId :
ACVI-AA01DL



Tgt Ion: 91 Resp: 317469
Ion Ratio Lower Upper
91 100
92 60.9 48.7 73.1

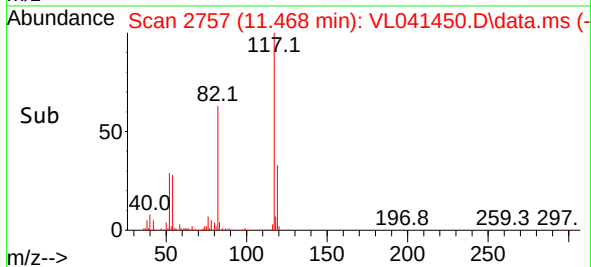
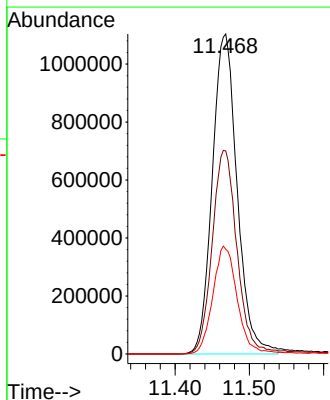
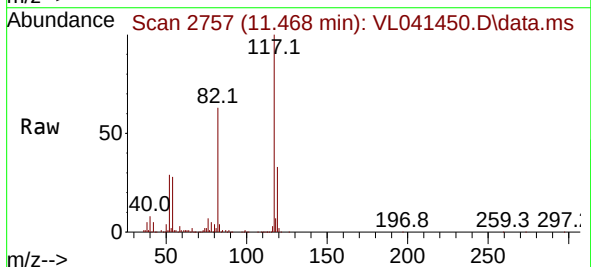
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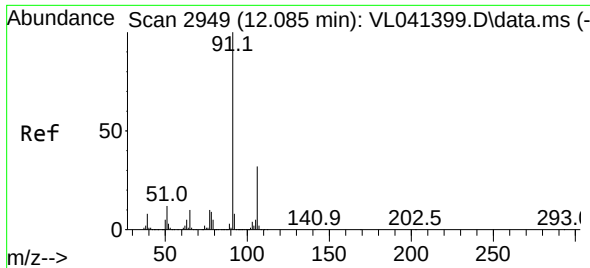
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2757
Delta R.T. 0.003 min
Lab File: VL041450.D
Acq: 30 Jul 2024 5:14

Tgt Ion:117 Resp: 2570607
Ion Ratio Lower Upper
117 100
82 64.5 51.0 76.6
119 33.5 45.2 67.8#





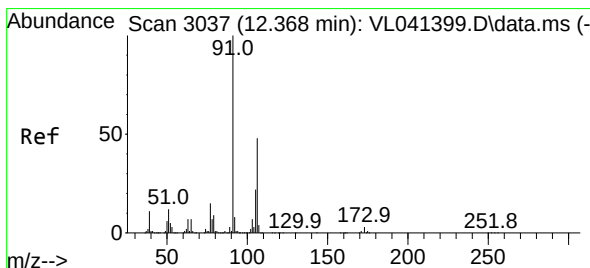
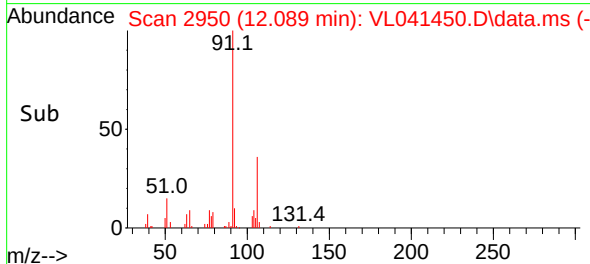
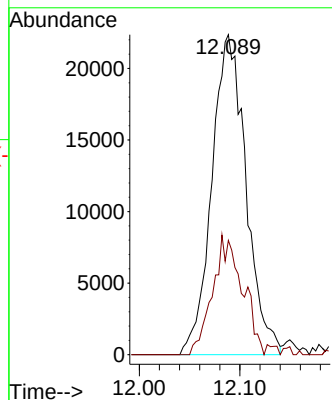
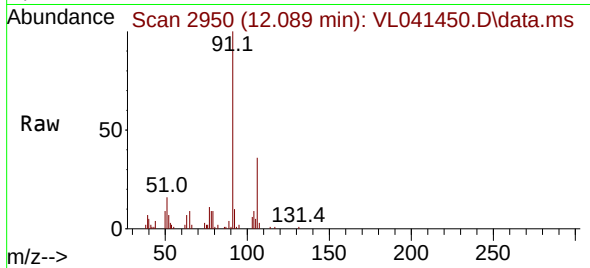
#58
Ethyl Benzene
Concen: 0.178 ppbv
RT: 12.089 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VL041450.D
Acq: 30 Jul 2024 5:14

Instrument :
MSVOA_L
ClientSampleId :
ACVI-AA01DL

Tgt Ion: 91 Resp: 5279
Ion Ratio Lower Upper
91 100
106 35.7 25.8 38.8

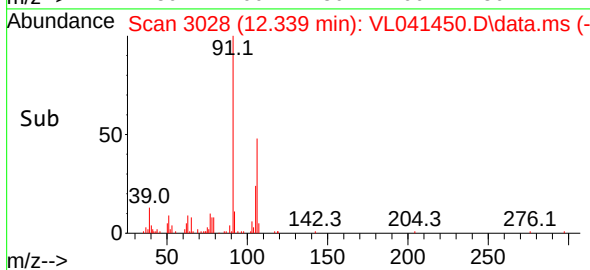
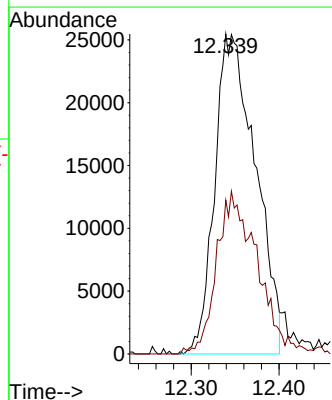
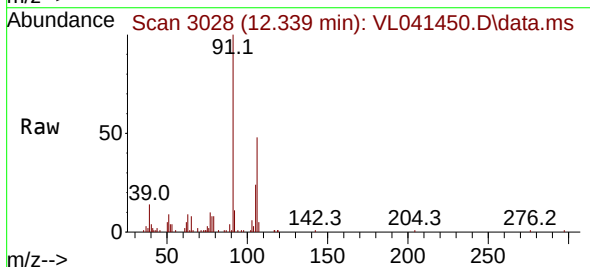
Manual Integrations
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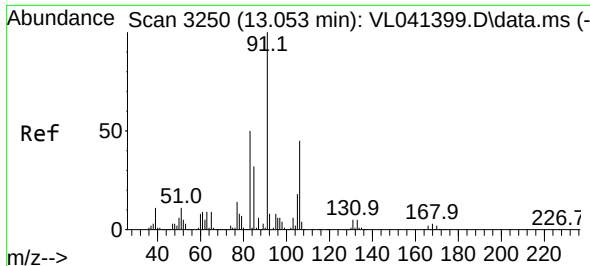
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#59
m/p-Xylene
Concen: 0.320 ppbv m
RT: 12.339 min Scan# 3028
Delta R.T. -0.029 min
Lab File: VL041450.D
Acq: 30 Jul 2024 5:14

Tgt Ion: 91 Resp: 81954
Ion Ratio Lower Upper
91 100
106 50.9 36.3 54.5





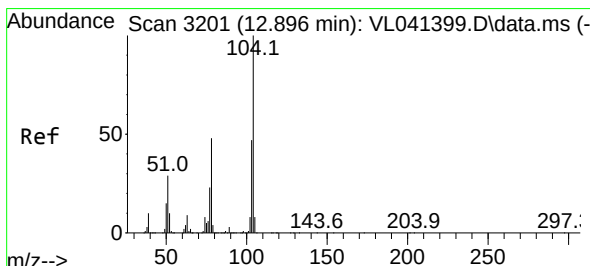
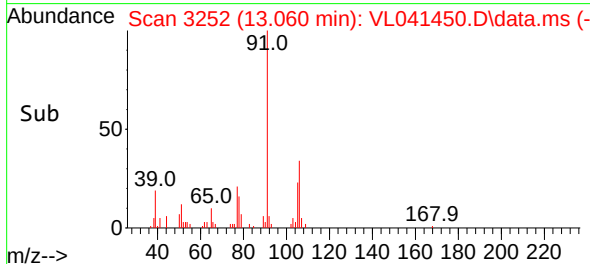
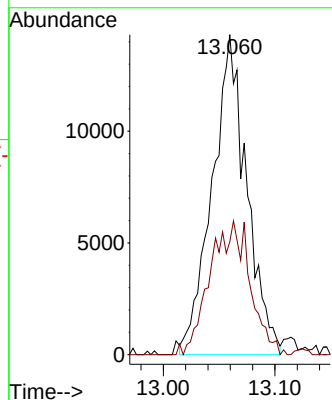
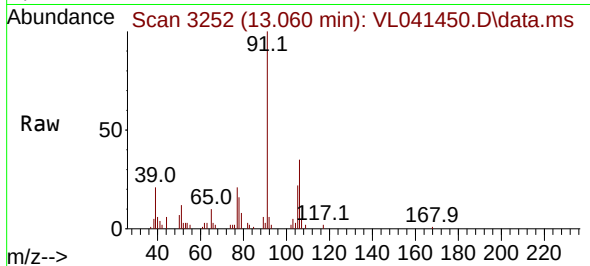
#60
o-Xylene
Concen: 0.127 ppbv m
RT: 13.060 min Scan# 3250
Delta R.T. 0.003 min
Lab File: VL041450.D
Acq: 30 Jul 2024 5:14

Instrument :
MSVOA_L
ClientSampleId :
ACVI-AA01DL

Tgt Ion: 91 Resp: 30820
Ion Ratio Lower Upper
91 100
106 49.0 23.1 69.3

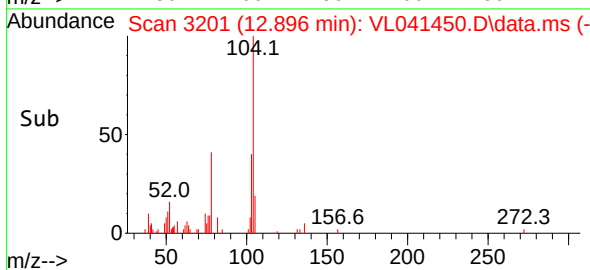
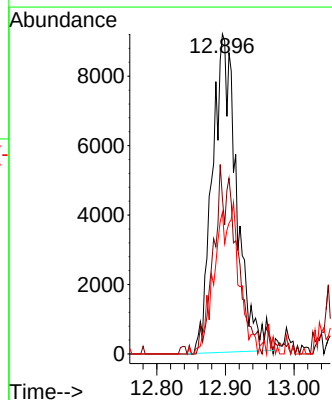
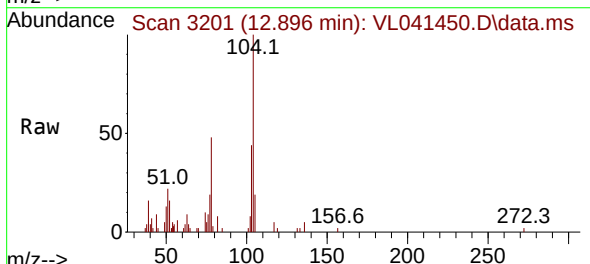
Manual Integrations
APPROVED

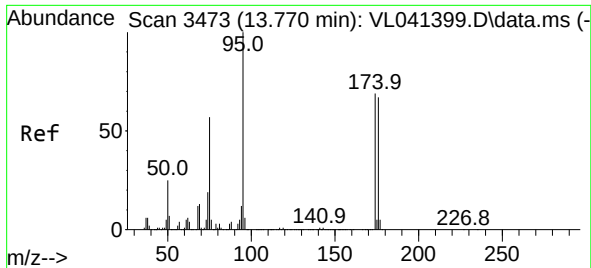
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#61
Styrene
Concen: 0.210 ppbv m
RT: 12.896 min Scan# 3201
Delta R.T. -0.000 min
Lab File: VL041450.D
Acq: 30 Jul 2024 5:14

Tgt Ion:104 Resp: 22889
Ion Ratio Lower Upper
104 100
78 55.5 40.8 61.2
103 0.0 38.2 57.4#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.965 ppbv
 RT: 13.773 min Scan# 3473
 Delta R.T. -0.000 min
 Lab File: VL041450.D
 Acq: 30 Jul 2024 5:14

Instrument :
 MSVOA_L
 ClientSampleId :
 ACVI-AA01DL

Tgt Ion: 95 Resp: 1971240

Ion	Ratio	Lower	Upper
95	100		
174	71.4	56.3	84.5
175	5.2	4.0	6.0

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/30/2024
 Supervised By :Semsettin Yesilyurt 07/30/2024

