

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111423\
 Data File : VL040852.D
 Acq On : 14 Nov 2023 15:58
 Operator : SY/MD
 Sample : 05399-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Quant Time: Nov 16 04:49:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Mon Nov 13 15:42:46 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 11/17/2023
 Supervised By : Semsettin Yesilyurt 11/17/2023

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

Internal Standards						
1) Bromochloromethane	5.189	49	1052935	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.642	114	2736632	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2328665	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.748	95	1782012	9.774	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.700%
Target Compounds						
					Qvalue	
13) Ethanol	3.256	45	409669	37.239	ppbv #	100
15) Acetone	3.485	43	788525	7.031	ppbv	100
20) Methylene Chloride	3.941	84	808391	17.468	ppbv	97
34) 2-Butanone	4.793	43	32850	0.236	ppbv #	89
35) Carbon Tetrachloride	6.481	117	6424	0.038	ppbv #	94
36) Benzene	6.359	78	103143	0.464	ppbv #	91
53) Toluene	9.201	91	133861	0.548	ppbv	99
59) m/p-Xylene	12.323	91	84223m	0.326	ppbv	
60) o-Xylene	13.034	91	34070m	0.138	ppbv	

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

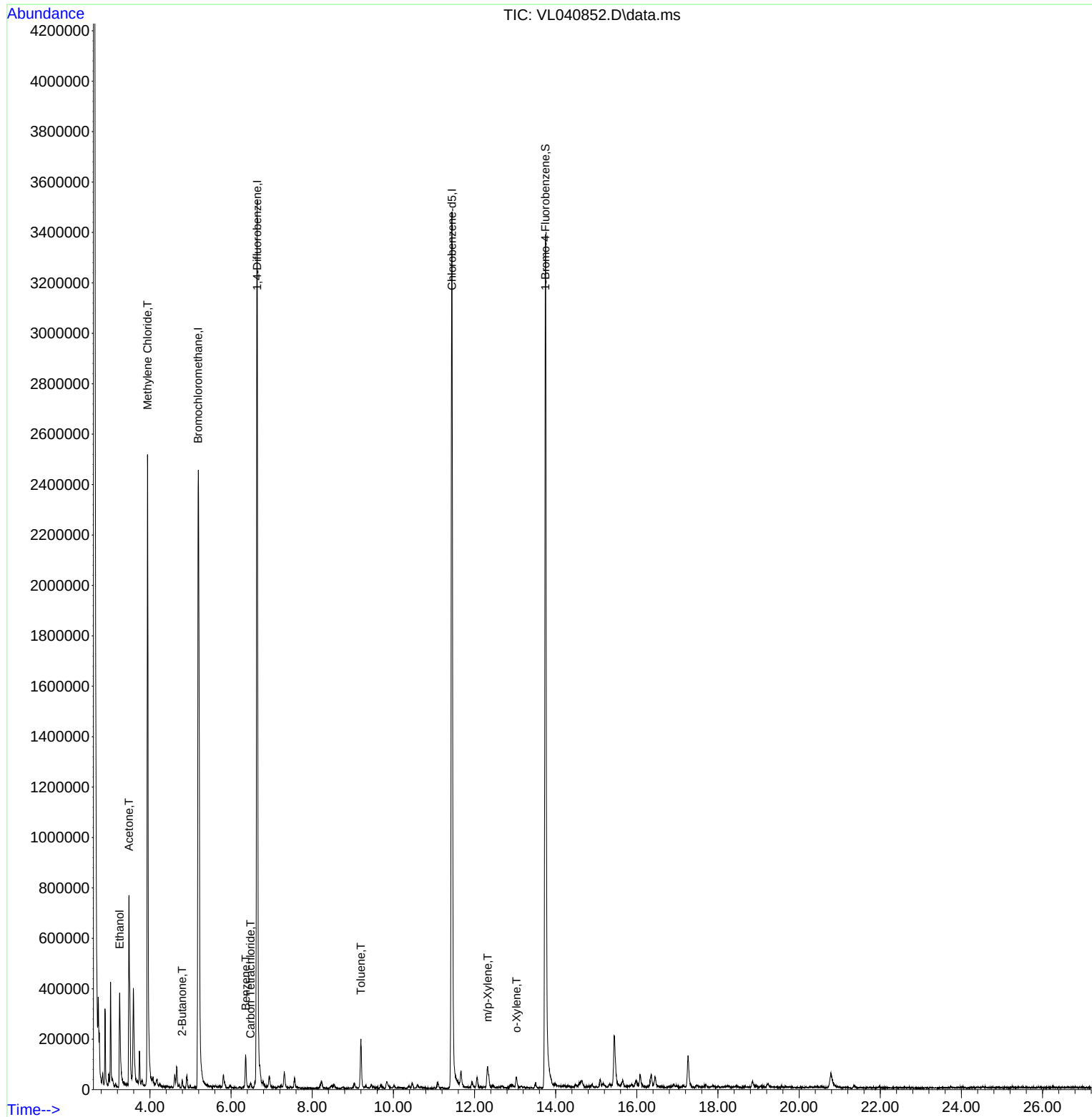
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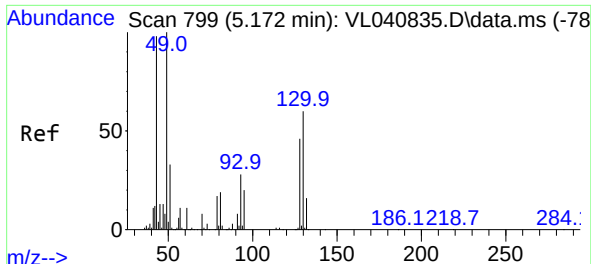
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Nov 16 04:49:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
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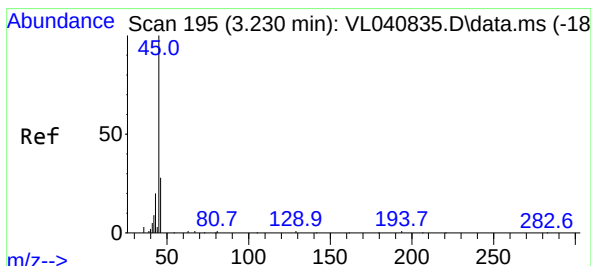
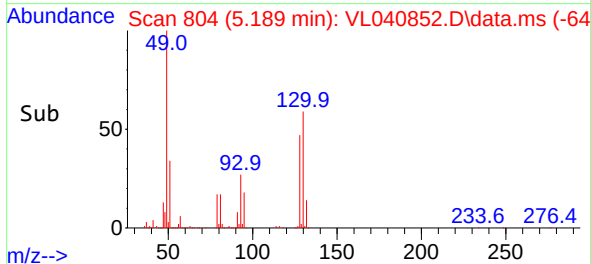
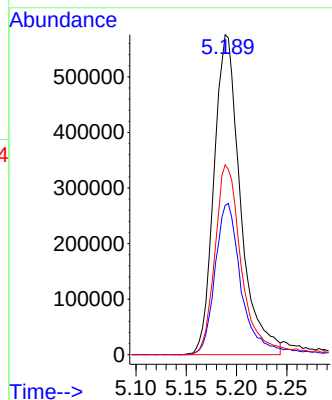
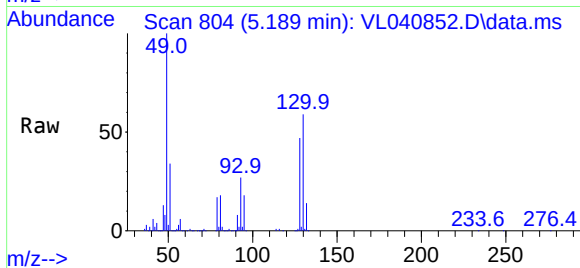
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. 0.017 min
Lab File: VL040852.D
Acq: 14 Nov 2023 15:58

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 49 Resp: 105293
Ion Ratio Lower Upper
49 100
128 48.9 23.8 71.2
130 61.7 30.9 92.8

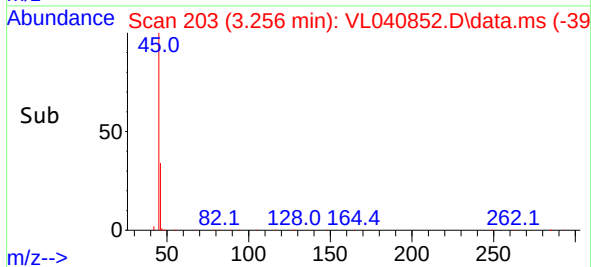
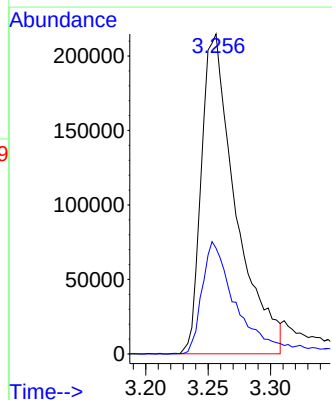
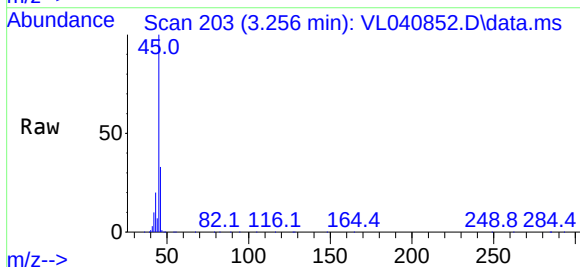
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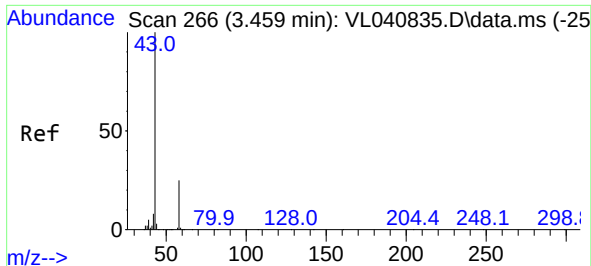
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023



#13
Ethanol
Concen: 37.239 ppbv
RT: 3.256 min Scan# 203
Delta R.T. 0.026 min
Lab File: VL040852.D
Acq: 14 Nov 2023 15:58

Tgt Ion: 45 Resp: 409669
Ion Ratio Lower Upper
45 100
46 39.0 0.0 0.0#





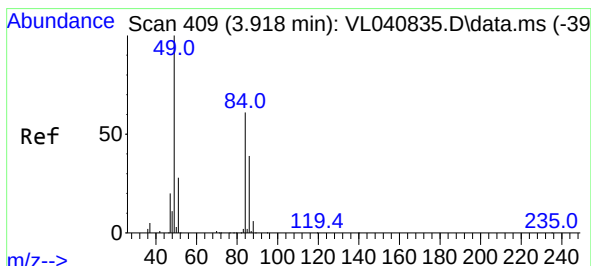
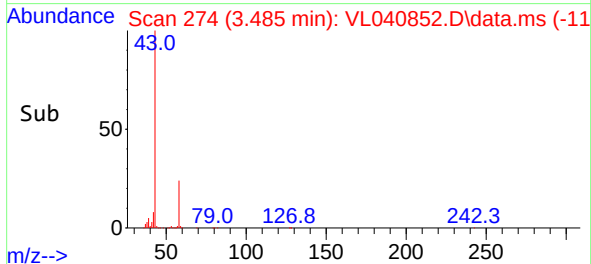
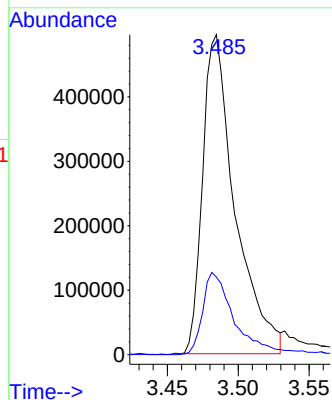
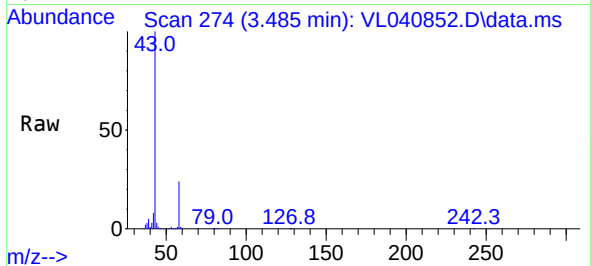
#15
Acetone
Concen: 7.031 ppbv
RT: 3.485 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL040852.D
Acq: 14 Nov 2023 15:58

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 78852
Ion Ratio Lower Upper
43 100
58 26.0 20.9 31.3

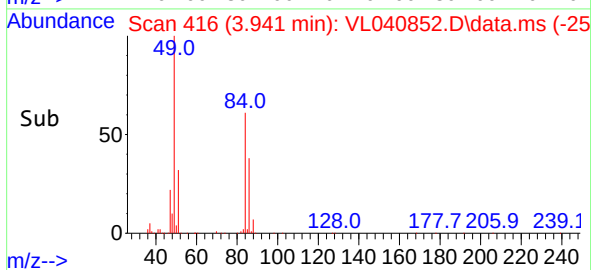
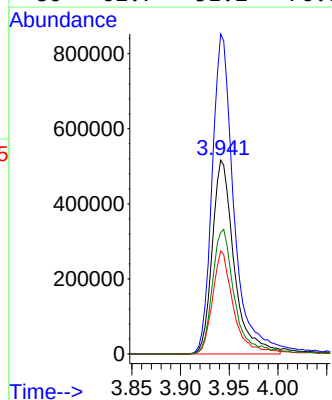
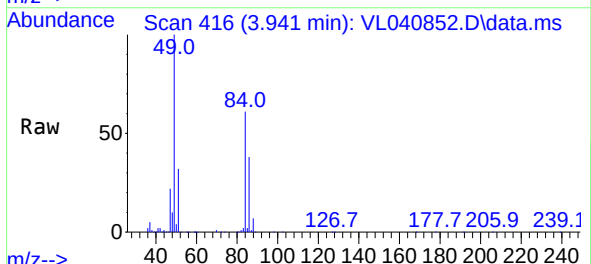
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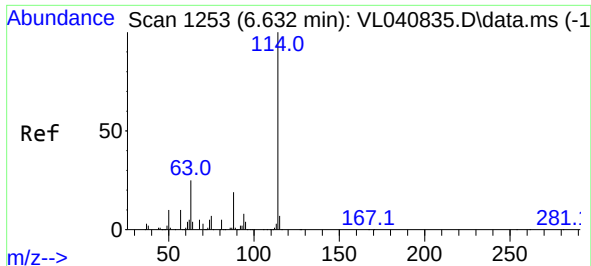
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023



#20
Methylene Chloride
Concen: 17.468 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.023 min
Lab File: VL040852.D
Acq: 14 Nov 2023 15:58

Tgt Ion: 84 Resp: 808391
Ion Ratio Lower Upper
84 100
49 165.1 131.0 196.4
51 53.2 36.9 55.3
86 62.7 51.2 76.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL040852.D

Acq: 14 Nov 2023 15:58

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion:114 Resp: 273663

Ion Ratio Lower Upper

114 100

63 25.1 20.9 31.3

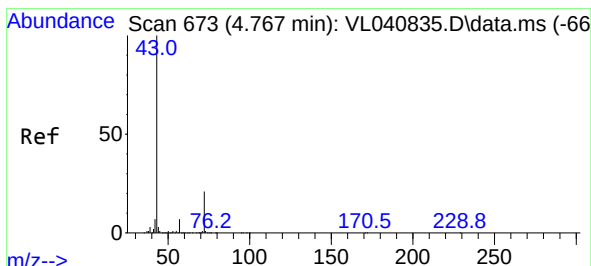
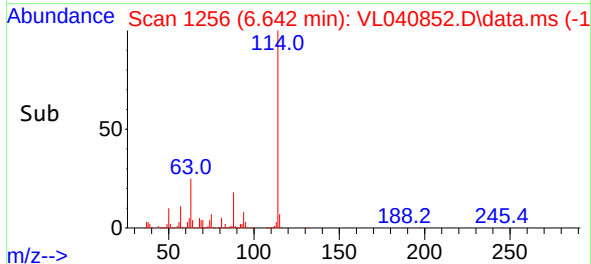
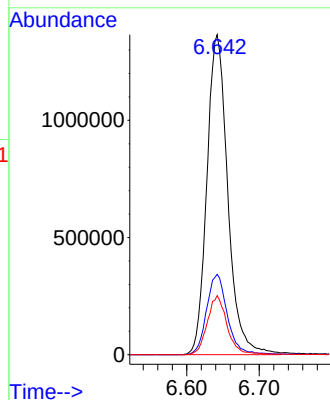
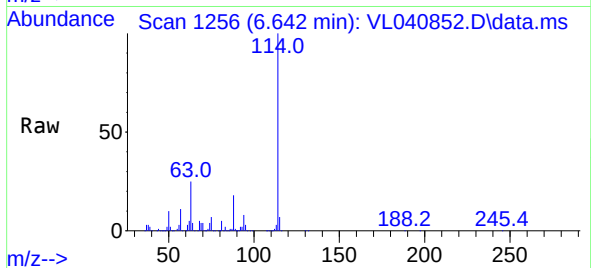
88 17.7 14.3 21.5

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#34

2-Butanone

Concen: 0.236 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.026 min

Lab File: VL040852.D

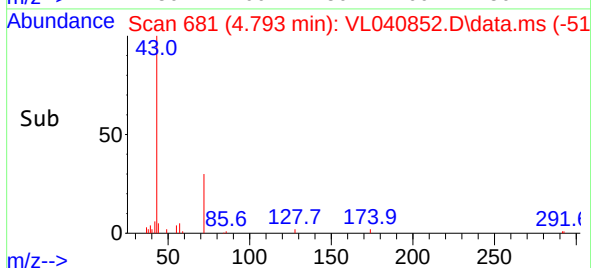
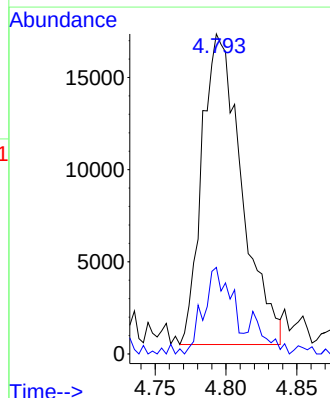
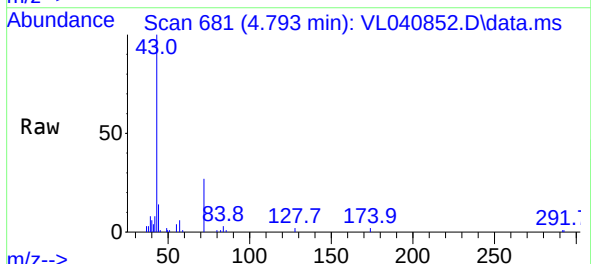
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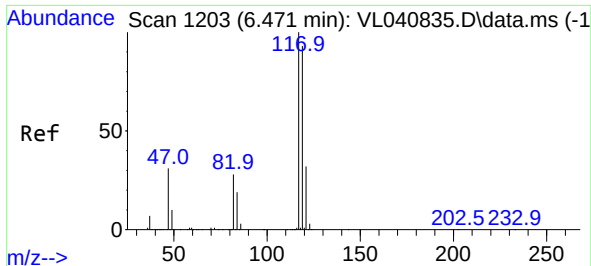
Tgt Ion: 43 Resp: 32850

Ion Ratio Lower Upper

43 100

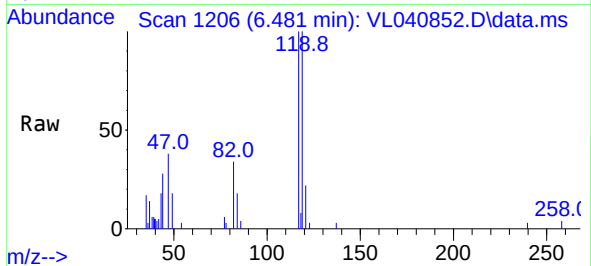
72 26.9 17.2 25.8#





#35
Carbon Tetrachloride
Concen: 0.038 ppbv
RT: 6.481 min Scan# 117
Delta R.T. 0.010 min
Lab File: VL040852.D
Acq: 14 Nov 2023 15:58

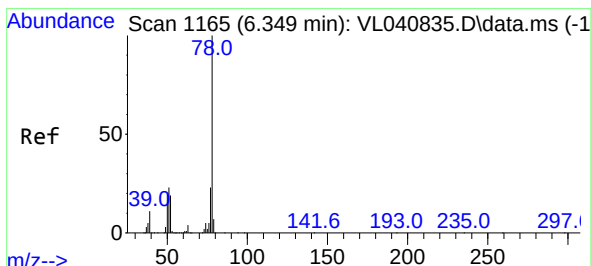
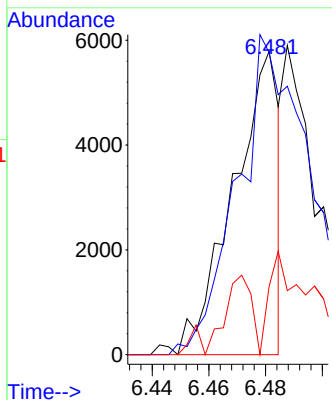
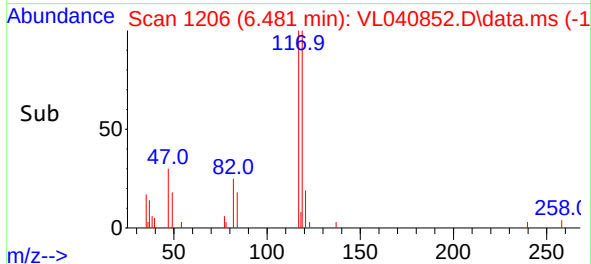
Instrument :
MSVOA_L
ClientSampleId :
OA1



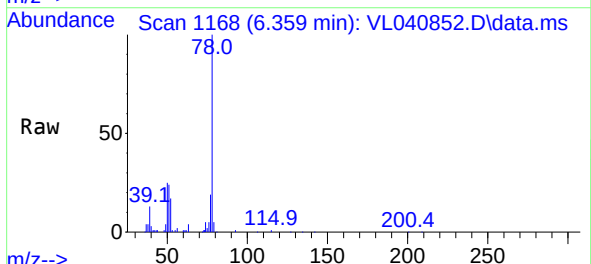
Tgt Ion: 117 Resp: 6424
Ion Ratio Lower Upper
117 100
119 96.2 74.7 112.1
121 22.4 25.5 38.3

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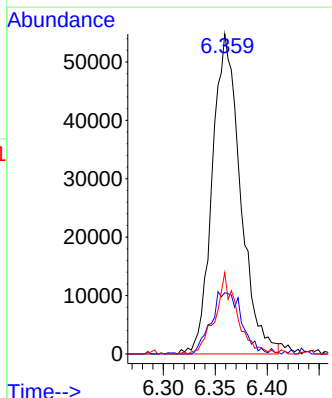
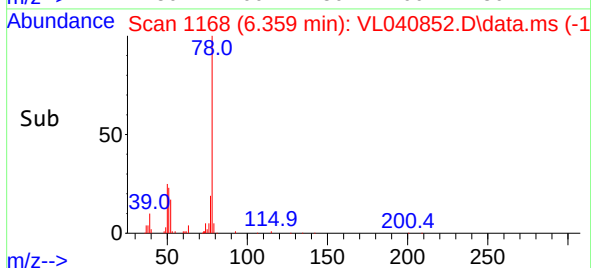
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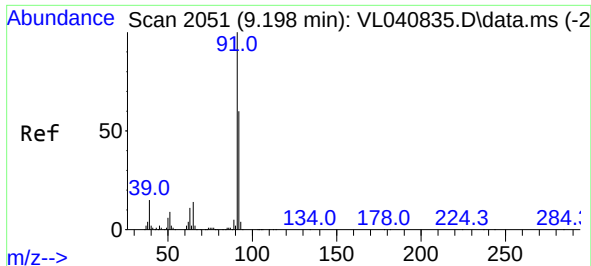


#36
Benzene
Concen: 0.464 ppbv
RT: 6.359 min Scan# 1168
Delta R.T. 0.010 min
Lab File: VL040852.D
Acq: 14 Nov 2023 15:58



Tgt Ion: 78 Resp: 103143
Ion Ratio Lower Upper
78 100
77 19.2 18.4 27.6
50 25.4 16.2 24.2





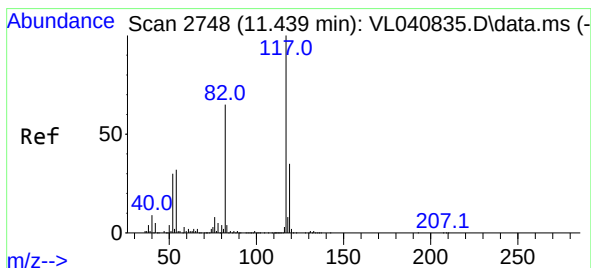
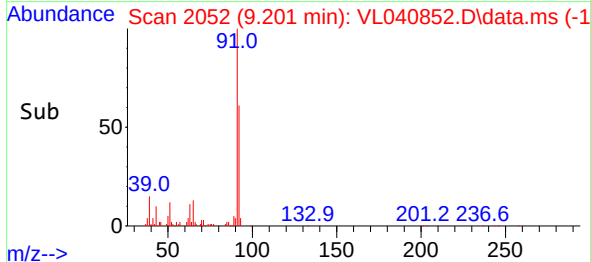
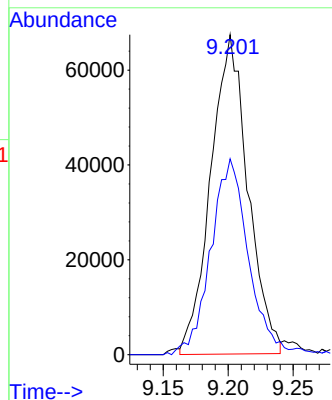
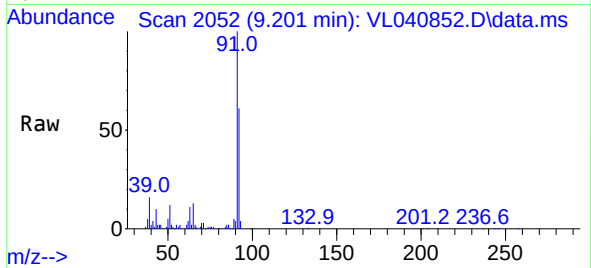
#53
Toluene
Concen: 0.548 ppbv
RT: 9.201 min Scan# 2051
Delta R.T. 0.003 min
Lab File: VL040852.D
Acq: 14 Nov 2023 15:58

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 133865
Ion Ratio Lower Upper
91 100
92 62.8 49.4 74.2

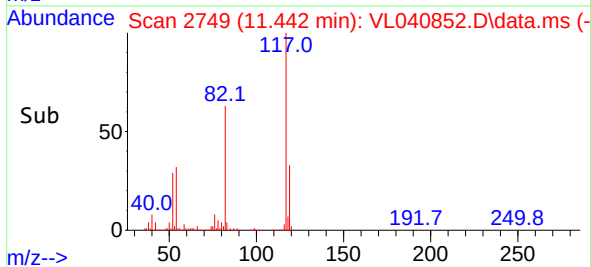
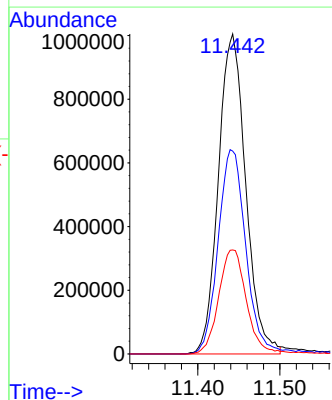
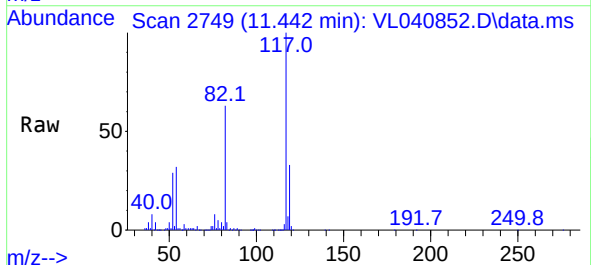
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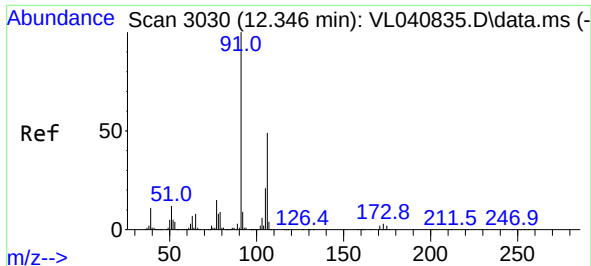
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 2749
Delta R.T. 0.003 min
Lab File: VL040852.D
Acq: 14 Nov 2023 15:58

Tgt Ion:117 Resp: 2328665
Ion Ratio Lower Upper
117 100
82 65.9 50.6 75.8
119 33.7 23.3 34.9





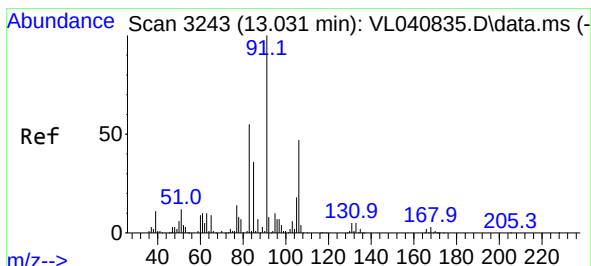
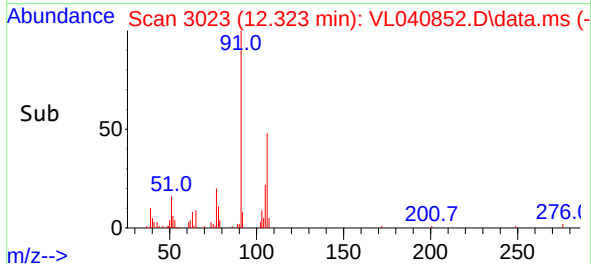
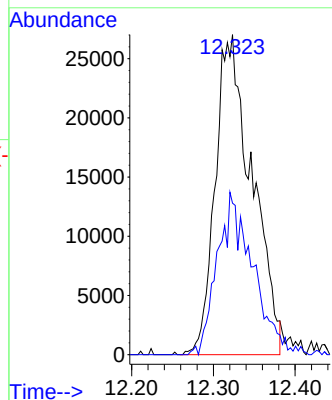
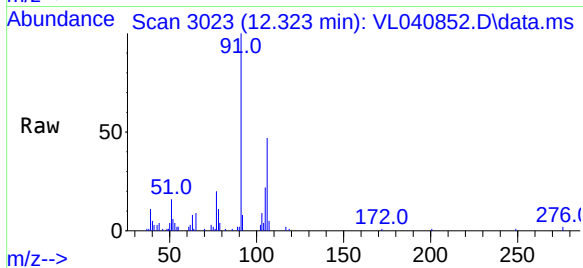
#59
m/p-Xylene
Concen: 0.326 ppbv m
RT: 12.323 min Scan# 3030
Delta R.T. -0.022 min
Lab File: VL040852.D
Acq: 14 Nov 2023 15:58

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 8422
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.0

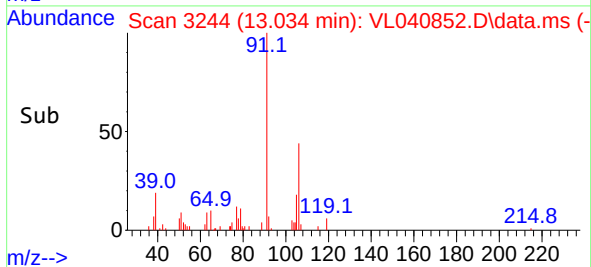
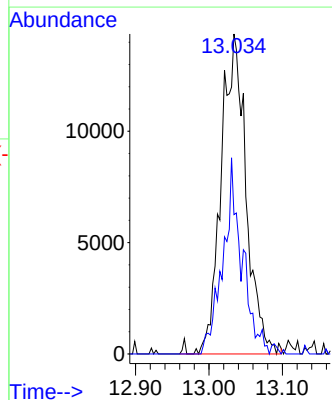
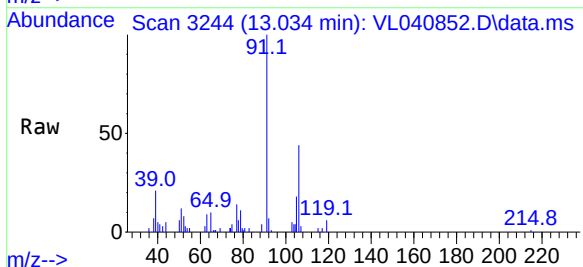
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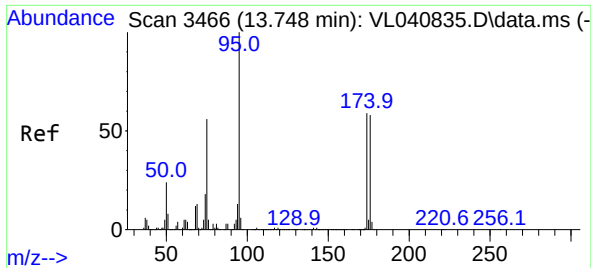
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023



#60
o-Xylene
Concen: 0.138 ppbv m
RT: 13.034 min Scan# 3244
Delta R.T. 0.003 min
Lab File: VL040852.D
Acq: 14 Nov 2023 15:58

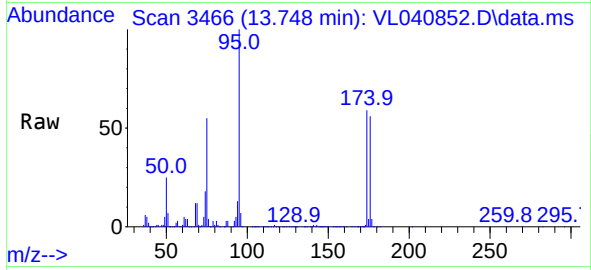
Tgt Ion: 91 Resp: 34070
Ion Ratio Lower Upper
91 100
106 47.2 22.9 68.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.774 ppbv
 RT: 13.748 min Scan# 3466
 Delta R.T. 0.000 min
 Lab File: VL040852.D
 Acq: 14 Nov 2023 15:58

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



Tgt Ion: 95 Resp: 1782012

Ion	Ratio	Lower	Upper
95	100		
174	62.0	47.5	71.3
175	4.7	3.6	5.4

Manual Integrations
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