

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111523\
 Data File : VL040878.D
 Acq On : 15 Nov 2023 21:28
 Operator : SY/MD
 Sample : 05278-02 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SH-SS-3

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/20/2023
 Supervised By :Mahesh Dadoda 11/21/2023

Quant Time: Nov 16 06:33:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Mon Nov 13 15:42:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	1000706	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.648	114	2442241	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.449	117	2184189	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	1701844	9.952	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.500%
Target Compounds						
					Qvalue	
13) Ethanol	3.272	45	175895m	16.823	ppbv	
15) Acetone	3.491	43	1713175	16.074	ppbv	97
19) Isopropyl Alcohol	3.613	45	80282m	1.252	ppbv	
20) Methylene Chloride	3.951	84	197291	4.486	ppbv	97
26) Hexane	5.224	57	126560	1.296	ppbv #	40
36) Benzene	6.369	78	33862	0.171	ppbv #	90
53) Toluene	9.211	91	60798m	0.279	ppbv	

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

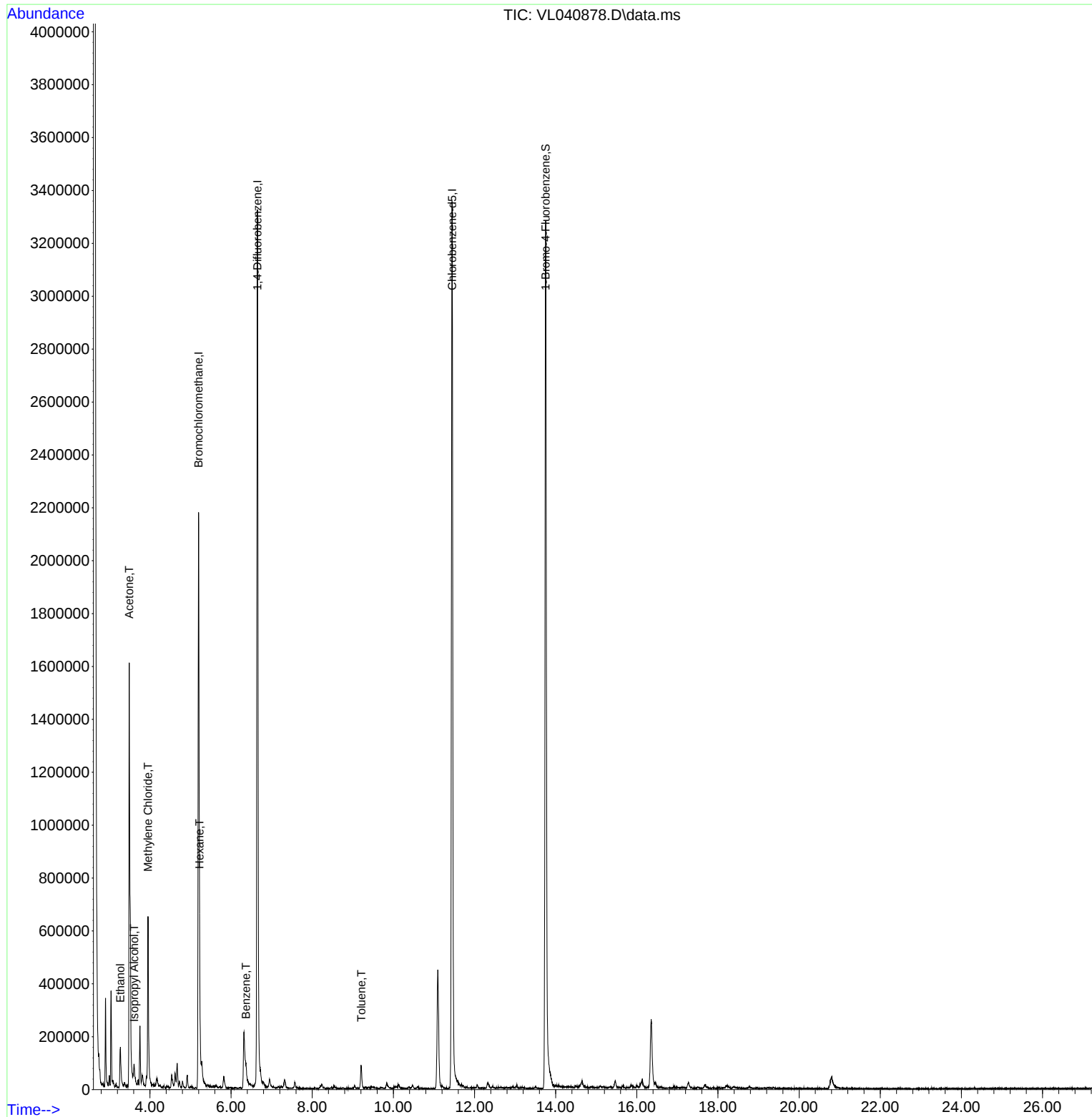
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111523\
Data File : VL040878.D
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Operator : SY/MD
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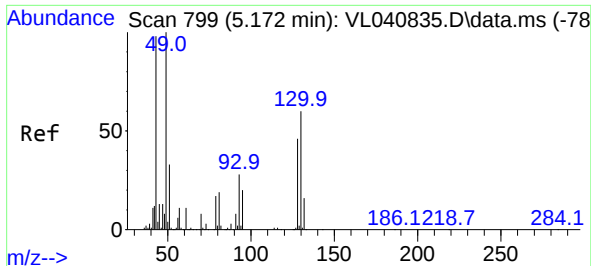
Instrument :
MSVOA_L
ClientSampleId :
SH-SS-3

Quant Time: Nov 16 06:33:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
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QLast Update : Mon Nov 13 15:42:46 2023
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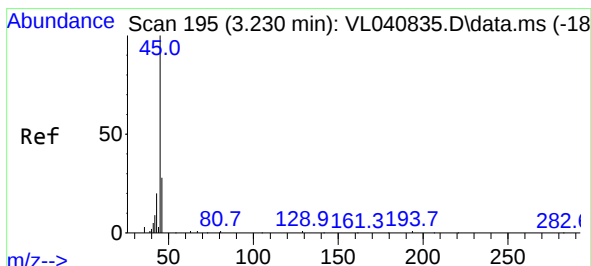
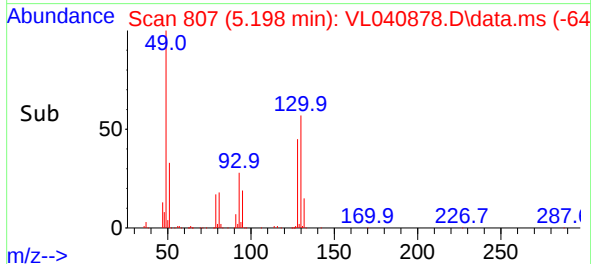
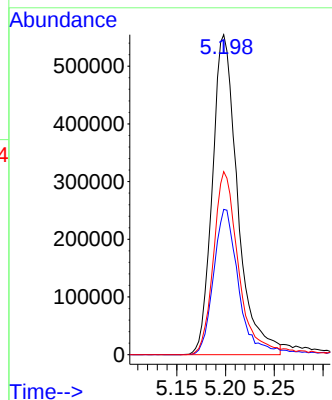
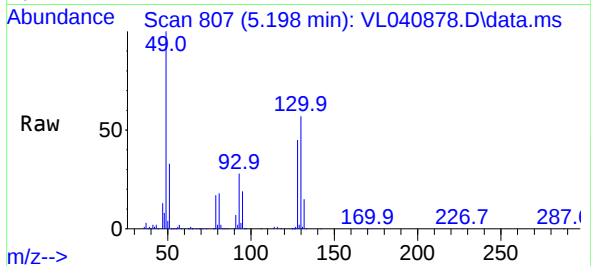
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.026 min
Lab File: VL040878.D
Acq: 15 Nov 2023 21:28

Instrument :
MSVOA_L
ClientSampleId :
SH-SS-3

Tgt Ion: 49 Resp: 1000700
Ion Ratio Lower Upper
49 100
128 46.3 23.8 71.2
130 58.5 30.9 92.8

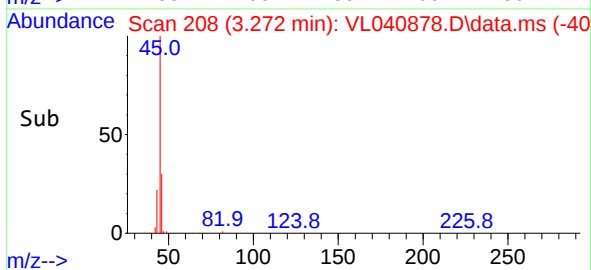
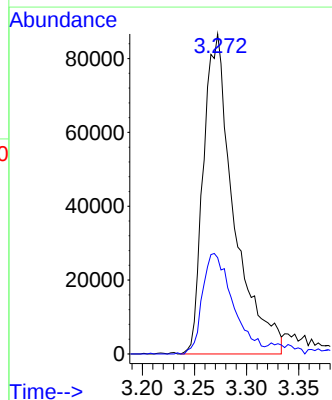
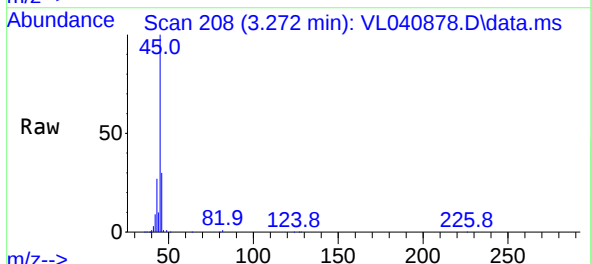
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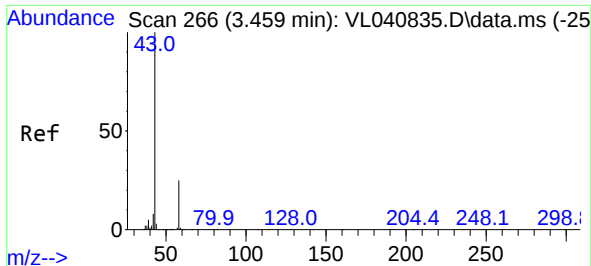
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023



#13
Ethanol
Concen: 16.823 ppbv m
RT: 3.272 min Scan# 208
Delta R.T. 0.042 min
Lab File: VL040878.D
Acq: 15 Nov 2023 21:28

Tgt Ion: 45 Resp: 175895
Ion Ratio Lower Upper
45 100
46 0.0 0.0 0.0





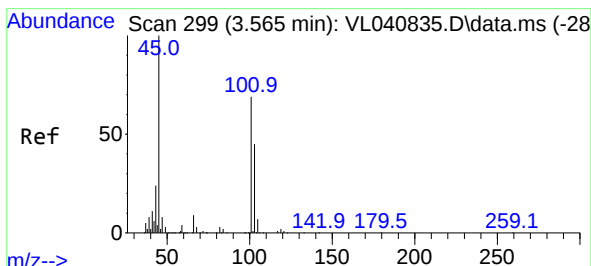
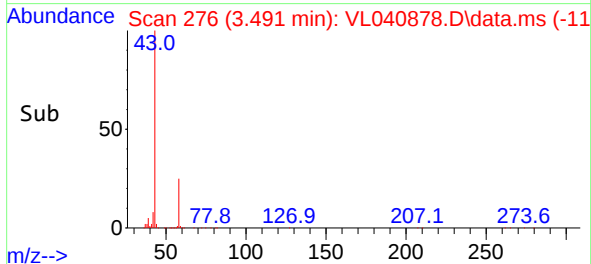
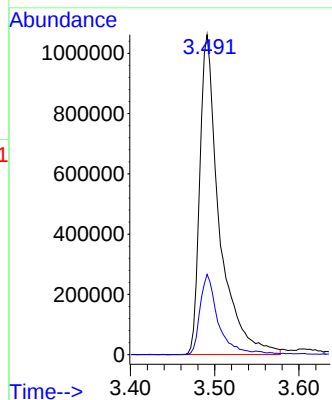
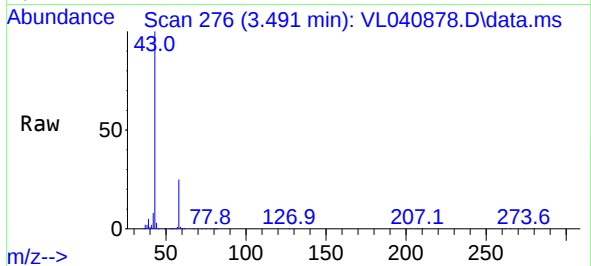
#15
Acetone
Concen: 16.074 ppbv
RT: 3.491 min Scan# 21
Delta R.T. 0.032 min
Lab File: VL040878.D
Acq: 15 Nov 2023 21:28

Instrument :
MSVOA_L
ClientSampleId :
SH-SS-3

Tgt Ion: 43 Resp: 171317
Ion Ratio Lower Upper
43 100
58 24.4 20.9 31.3

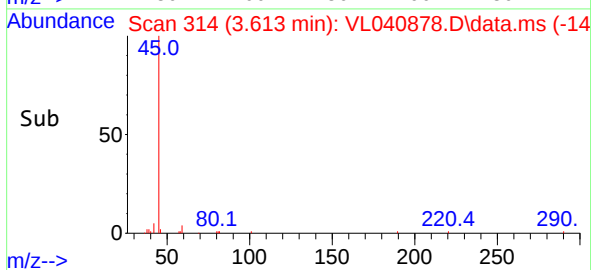
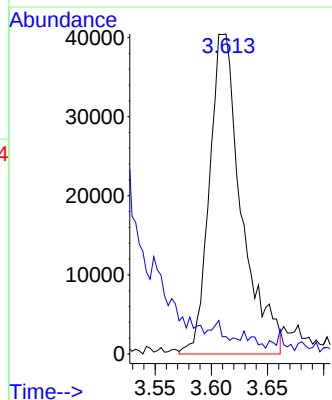
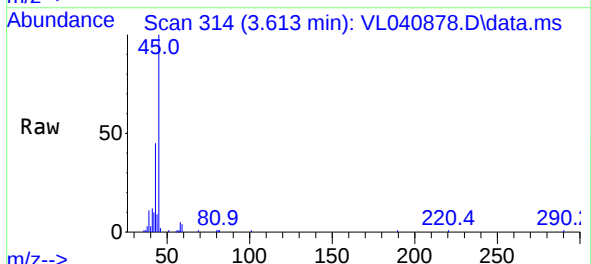
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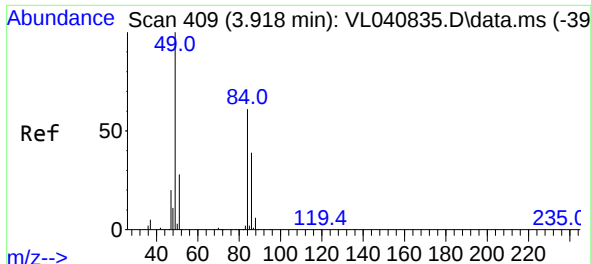
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023



#19
Isopropyl Alcohol
Concen: 1.252 ppbv m
RT: 3.613 min Scan# 314
Delta R.T. 0.048 min
Lab File: VL040878.D
Acq: 15 Nov 2023 21:28

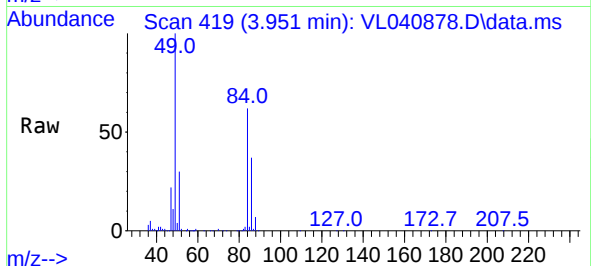
Tgt Ion: 45 Resp: 80282
Ion Ratio Lower Upper
45 100
58 0.0 1.6 2.4#





#20
Methylene Chloride
Concen: 4.486 ppbv
RT: 3.951 min Scan# 419
Delta R.T. 0.032 min
Lab File: VL040878.D
Acq: 15 Nov 2023 21:28

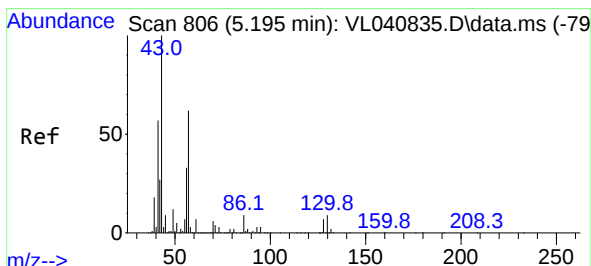
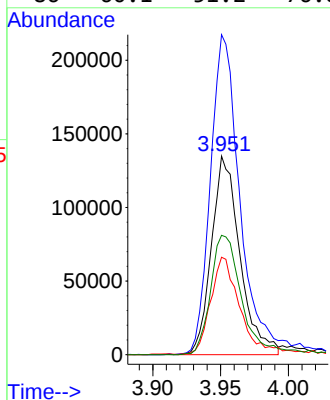
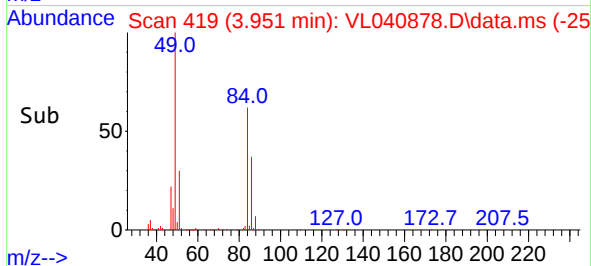
Instrument :
MSVOA_L
ClientSampleId :
SH-SS-3



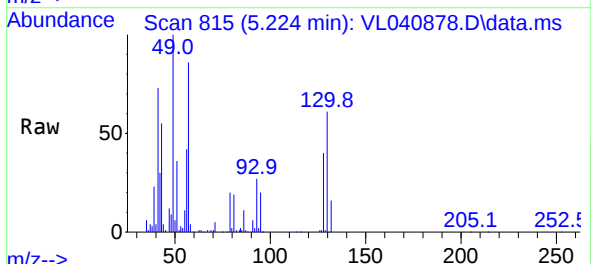
Tgt Ion: 84 Resp: 19729
Ion Ratio Lower Upper
84 100
49 160.8 131.0 196.4
51 48.9 36.9 55.3
86 60.1 51.2 76.8

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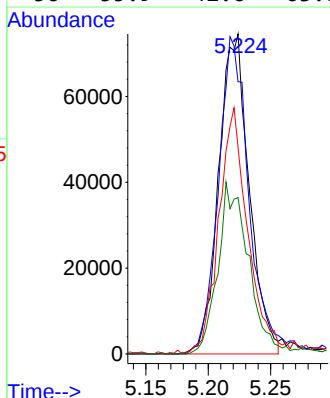
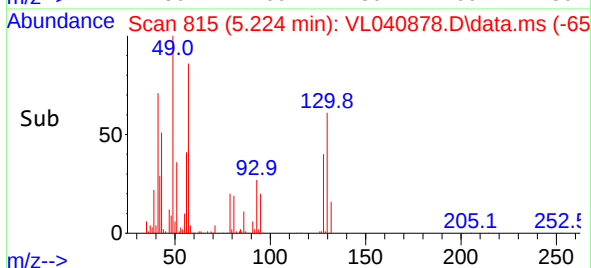
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023

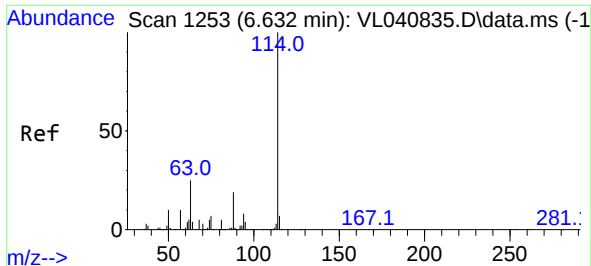


#26
Hexane
Concen: 1.296 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.029 min
Lab File: VL040878.D
Acq: 15 Nov 2023 21:28



Tgt Ion: 57 Resp: 126560
Ion Ratio Lower Upper
57 100
41 103.8 75.4 113.0
43 77.8 185.9 278.9#
56 55.9 42.6 63.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 1171

Delta R.T. 0.016 min

Lab File: VL040878.D

Acq: 15 Nov 2023 21:28

Instrument :

MSVOA_L

ClientSampleId :

SH-SS-3

Tgt Ion: 114 Resp: 244224

Ion Ratio Lower Upper

114 100

63 26.2 20.9 31.3

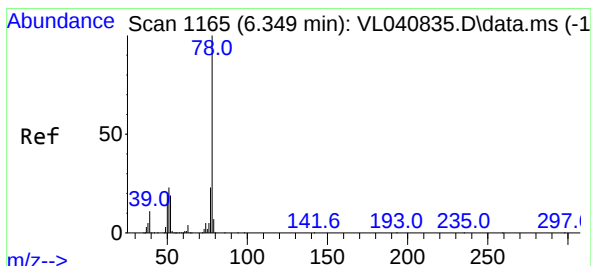
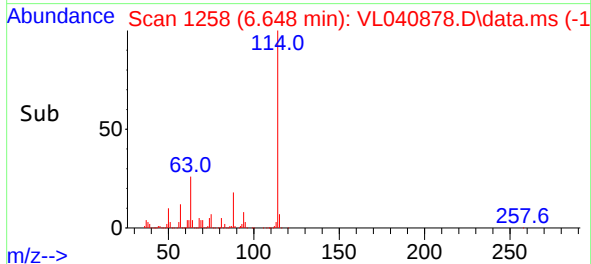
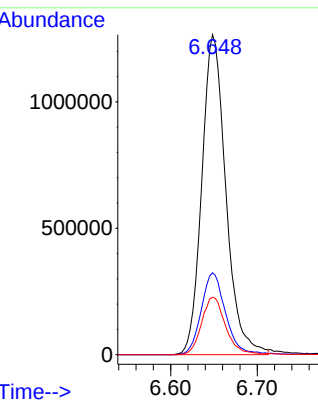
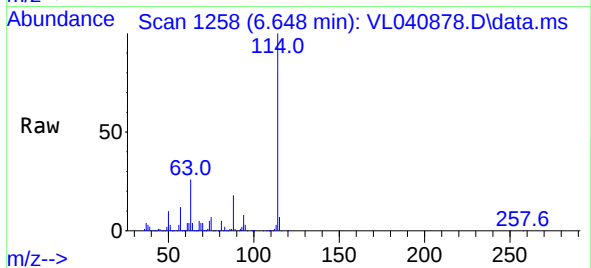
88 18.2 14.3 21.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/20/2023

Supervised By :Mahesh Dadoda 11/21/2023



#36

Benzene

Concen: 0.171 ppbv

RT: 6.369 min Scan# 1171

Delta R.T. 0.019 min

Lab File: VL040878.D

Acq: 15 Nov 2023 21:28

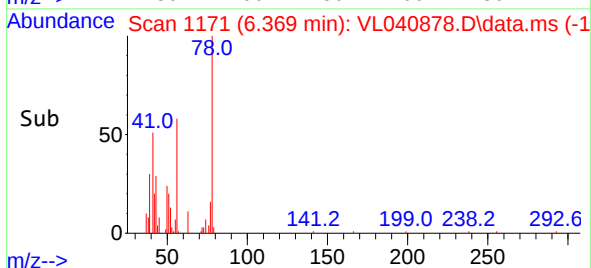
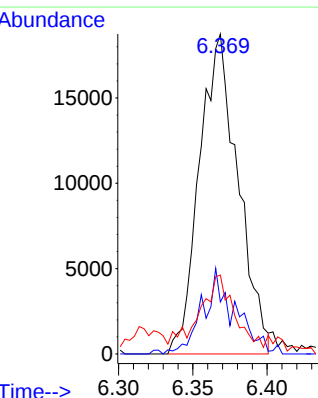
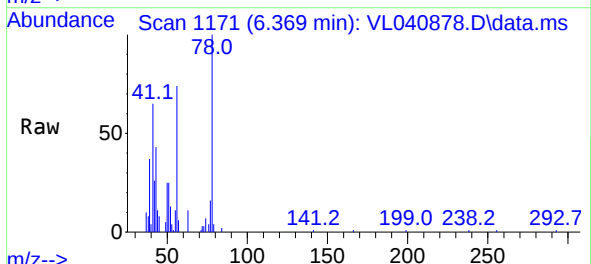
Tgt Ion: 78 Resp: 33862

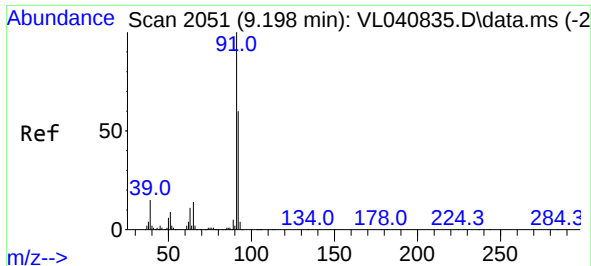
Ion Ratio Lower Upper

78 100

77 15.4 18.4 27.6

50 21.6 16.2 24.2





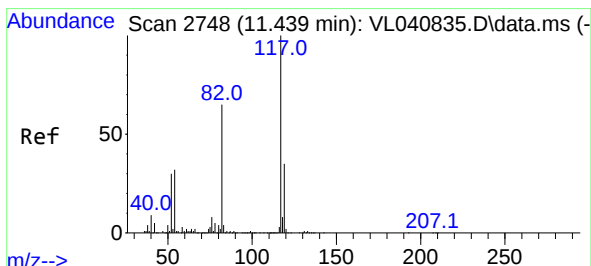
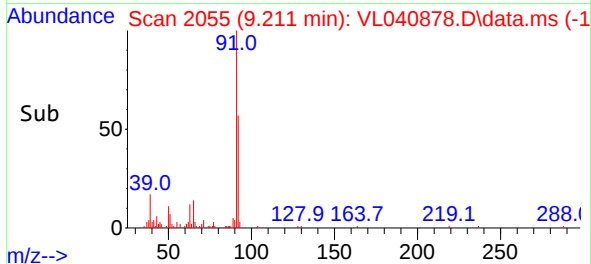
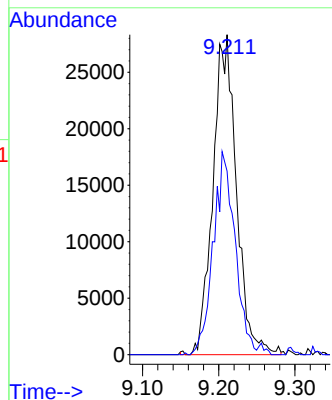
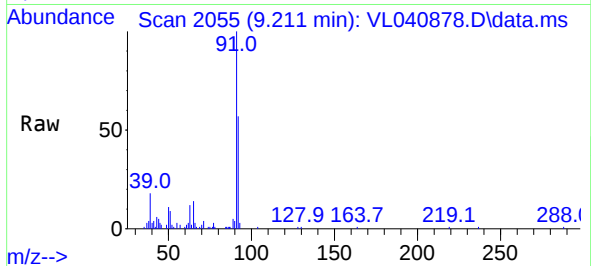
#53
Toluene
Concen: 0.279 ppbv m
RT: 9.211 min Scan# 2055
Delta R.T. 0.013 min
Lab File: VL040878.D
Acq: 15 Nov 2023 21:28

Instrument :
MSVOA_L
ClientSampleId :
SH-SS-3

Tgt Ion: 91 Resp: 60798
Ion Ratio Lower Upper
91 100
92 0.0 49.4 74.2

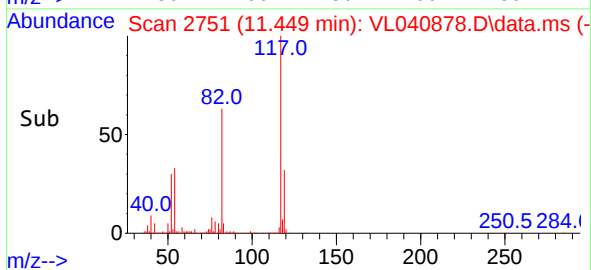
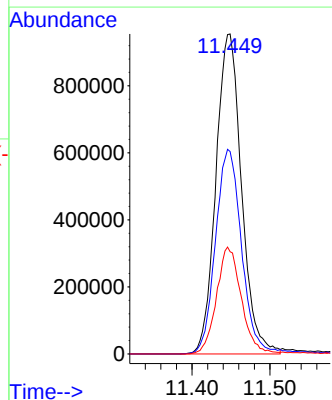
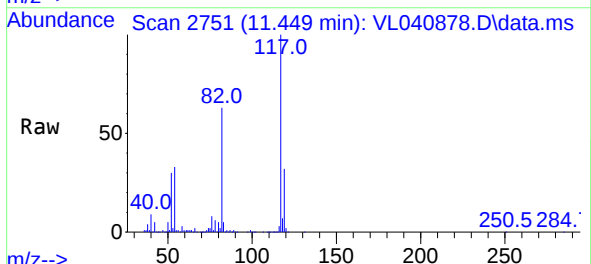
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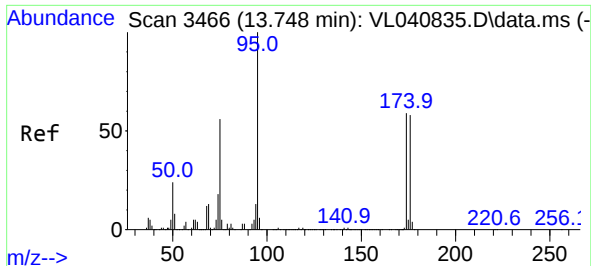
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 2751
Delta R.T. 0.010 min
Lab File: VL040878.D
Acq: 15 Nov 2023 21:28

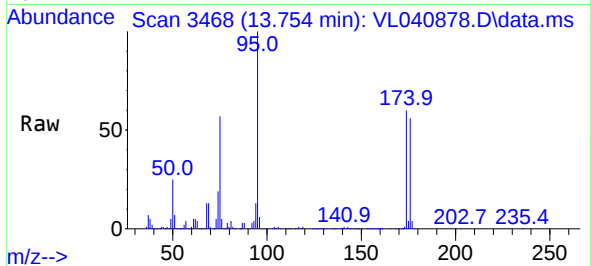
Tgt Ion:117 Resp: 2184189
Ion Ratio Lower Upper
117 100
82 66.6 50.6 75.8
119 32.8 23.3 34.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.952 ppbv
 RT: 13.754 min Scan# 3466
 Delta R.T. 0.006 min
 Lab File: VL040878.D
 Acq: 15 Nov 2023 21:28

Instrument :
 MSVOA_L
 ClientSampleId :
 SH-SS-3



Tgt Ion: 95 Resp: 1701844

Ion	Ratio	Lower	Upper
95	100		
174	60.6	47.5	71.3
175	4.4	3.6	5.4

Manual Integrations
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