

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111523\
 Data File : VL040872.D
 Acq On : 15 Nov 2023 17:33
 Operator : SY/MD
 Sample : 05277-04 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NT-SS-6

Manual Integrations
 APPROVED

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

Quant Time: Nov 16 05:54:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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	5.192	49	1033310	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.645	114	2581846	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.442	117	2350092	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.751	95	1838461	9.992	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.900%
Target Compounds						
					Qvalue	
13) Ethanol	3.263	45	1122953	104.014	ppbv #	100
15) Acetone	3.481	43	1738661	15.799	ppbv	94
20) Methylene Chloride	3.944	84	189106	4.164	ppbv	96
26) Hexane	5.211	57	300812	2.983	ppbv #	42
27) Carbon Disulfide	4.137	76	83274	0.651	ppbv #	87
34) 2-Butanone	4.790	43	278463	2.117	ppbv	96
36) Benzene	6.359	78	32638m	0.156	ppbv	
37) 1,2-Dichloroethane	5.803	62	22680m	0.184	ppbv	
52) Tetrachloroethene	10.594	164	17044m	0.242	ppbv	
53) Toluene	9.204	91	75481	0.327	ppbv	99
59) m/p-Xylene	12.323	91	38069m	0.146	ppbv	

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

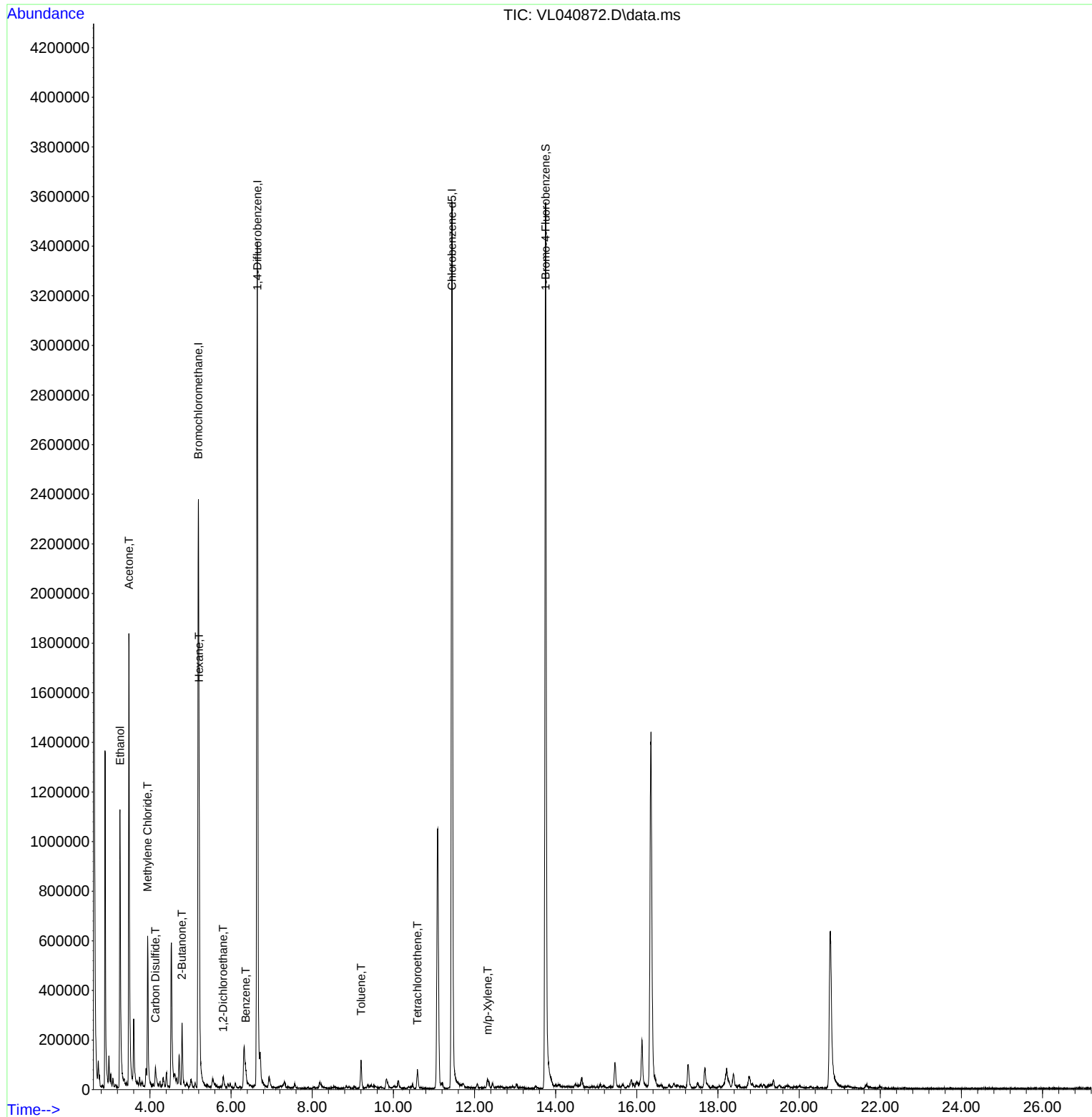
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111523\
Data File : VL040872.D
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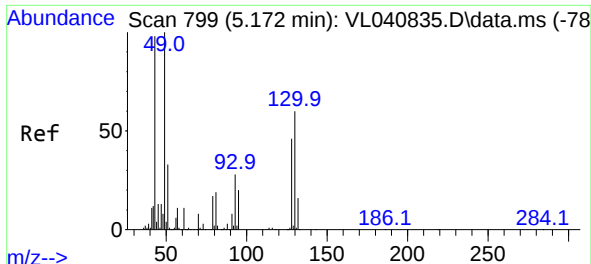
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-6

Quant Time: Nov 16 05:54:11 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Nov 13 15:42:46 2023
Response via : Initial Calibration

Manual Integrations
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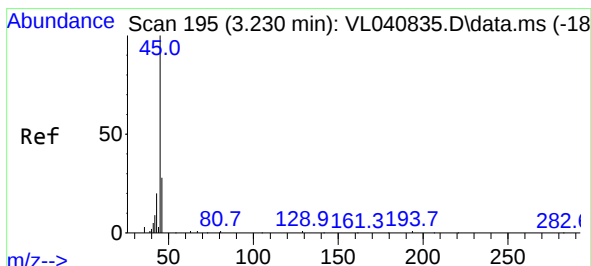
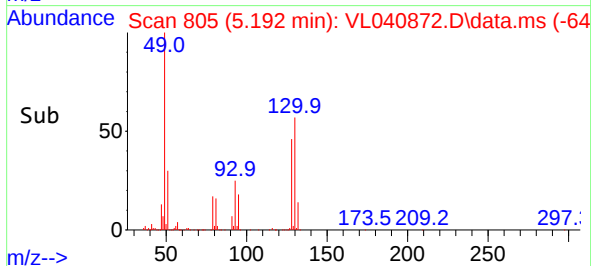
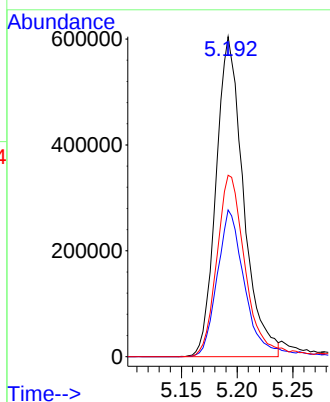
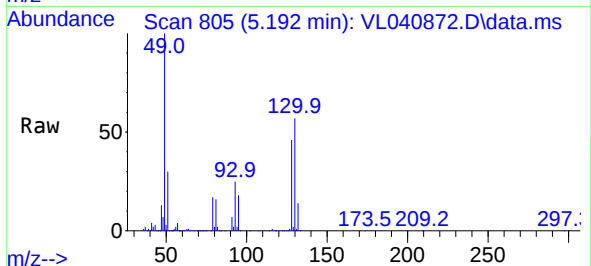
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.020 min
Lab File: VL040872.D
Acq: 15 Nov 2023 17:33

Instrument :
MSVOA_L
ClientSampleId :
NT-SS-6

Tgt Ion: 49 Resp: 1033310
Ion Ratio Lower Upper
49 100
128 47.3 23.8 71.2
130 61.3 30.9 92.8

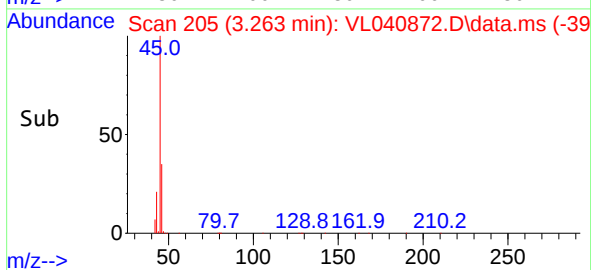
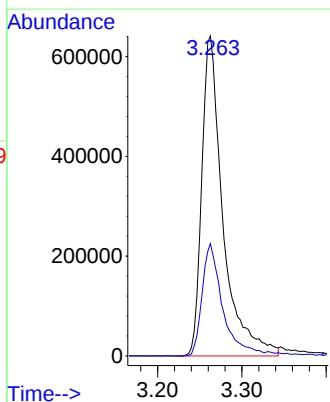
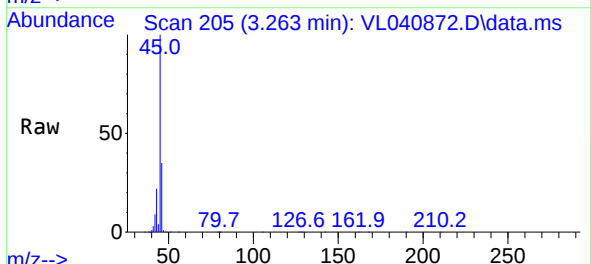
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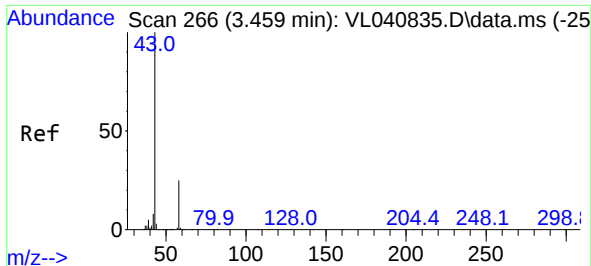
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023



#13
Ethanol
Concen: 104.014 ppbv
RT: 3.263 min Scan# 205
Delta R.T. 0.032 min
Lab File: VL040872.D
Acq: 15 Nov 2023 17:33

Tgt Ion: 45 Resp: 1122953
Ion Ratio Lower Upper
45 100
46 35.6 0.0 0.0#





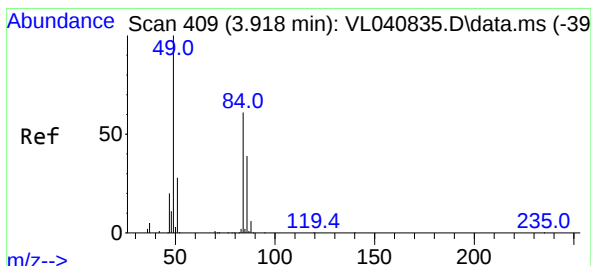
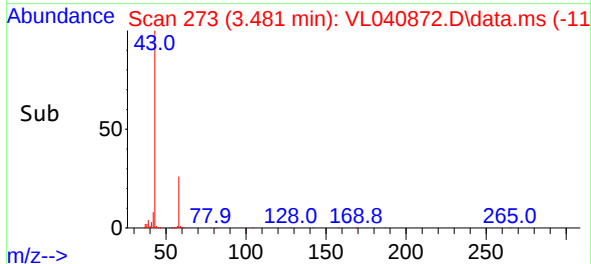
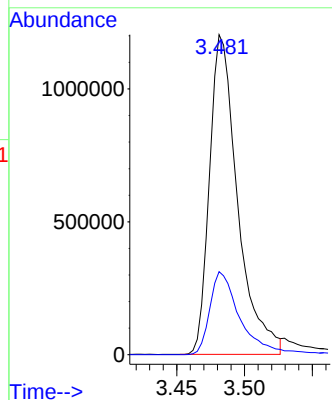
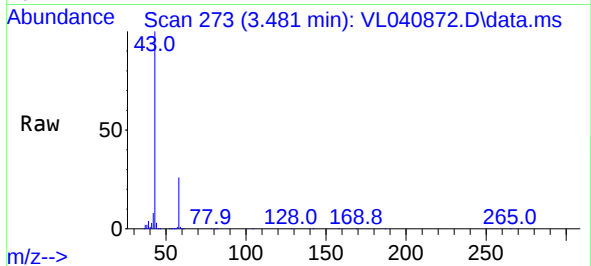
#15
Acetone
Concen: 15.799 ppbv
RT: 3.481 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL040872.D
Acq: 15 Nov 2023 17:33

Instrument :
MSVOA_L
ClientSampleId :
NT-SS-6

Tgt Ion: 43 Resp: 173866
Ion Ratio Lower Upper
43 100
58 29.2 20.9 31.3

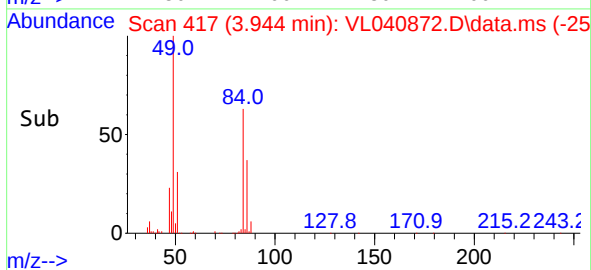
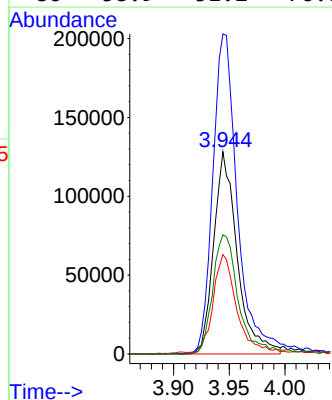
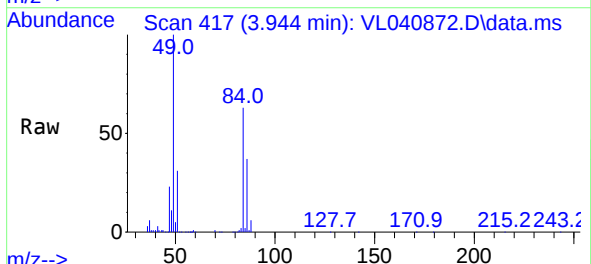
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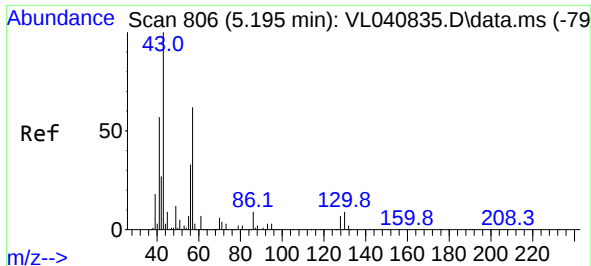
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023



#20
Methylene Chloride
Concen: 4.164 ppbv
RT: 3.944 min Scan# 417
Delta R.T. 0.026 min
Lab File: VL040872.D
Acq: 15 Nov 2023 17:33

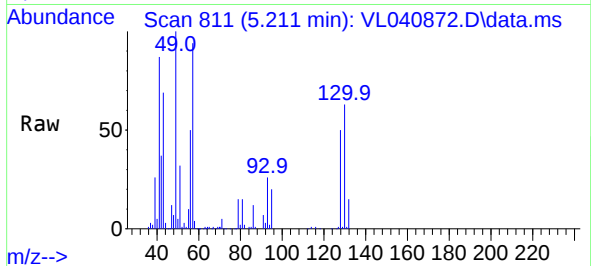
Tgt Ion: 84 Resp: 189106
Ion Ratio Lower Upper
84 100
49 158.2 131.0 196.4
51 48.0 36.9 55.3
86 58.9 51.2 76.8





#26
Hexane
Concen: 2.983 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.016 min
Lab File: VL040872.D
Acq: 15 Nov 2023 17:33

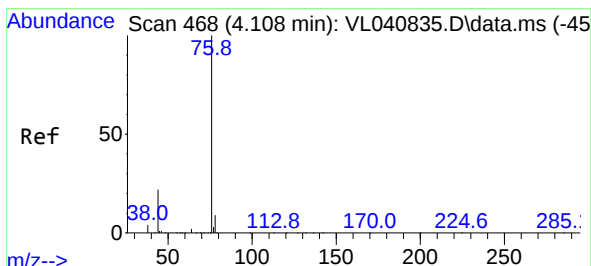
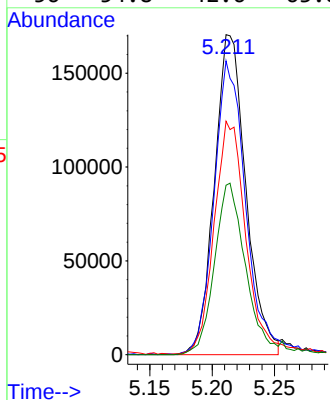
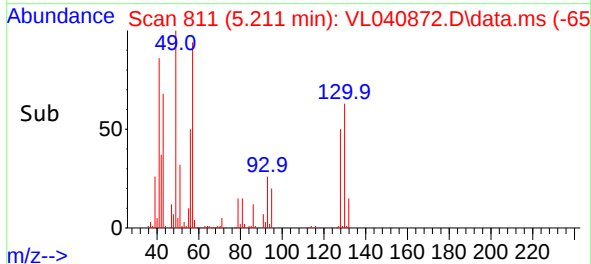
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-6



Tgt Ion: 57 Resp: 300812
Ion Ratio Lower Upper
57 100
41 94.6 75.4 113.0
43 74.8 185.9 278.9
56 54.8 42.6 63.8

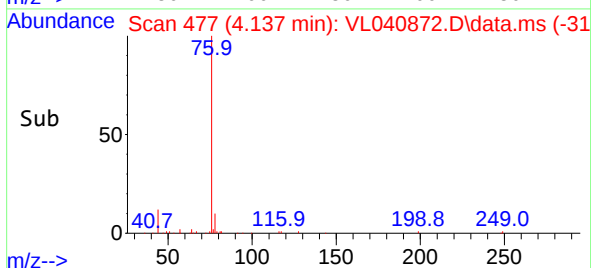
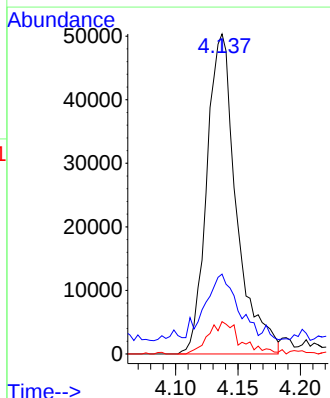
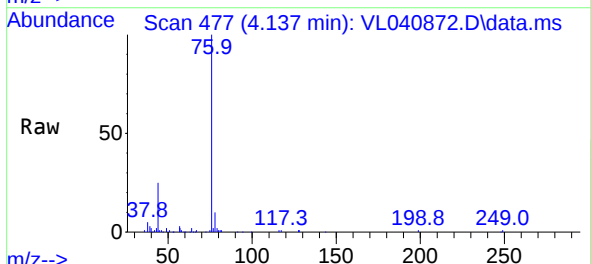
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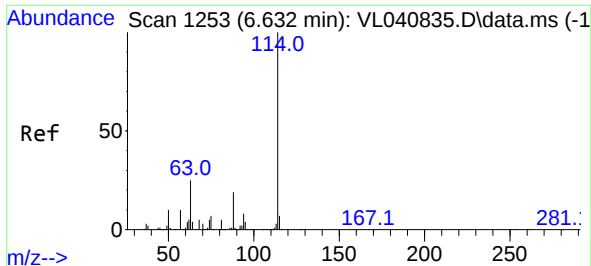
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023



#27
Carbon Disulfide
Concen: 0.651 ppbv
RT: 4.137 min Scan# 477
Delta R.T. 0.029 min
Lab File: VL040872.D
Acq: 15 Nov 2023 17:33

Tgt Ion: 76 Resp: 83274
Ion Ratio Lower Upper
76 100
44 28.5 16.7 25.1
78 11.2 7.6 11.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 114

Delta R.T. 0.013 min

Lab File: VL040872.D

Acq: 15 Nov 2023 17:33

Instrument :

MSVOA_L

ClientSampleId :

NT-SS-6

Tgt Ion:114 Resp: 258184

Ion Ratio Lower Upper

114 100

63 25.6 20.9 31.3

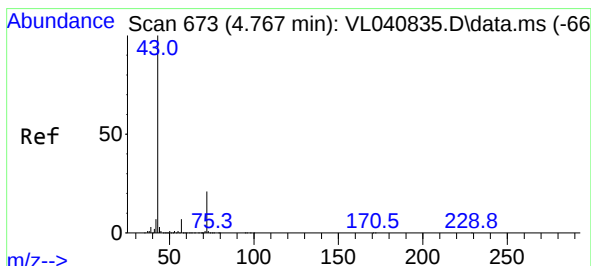
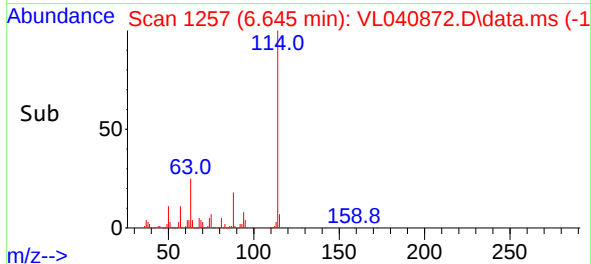
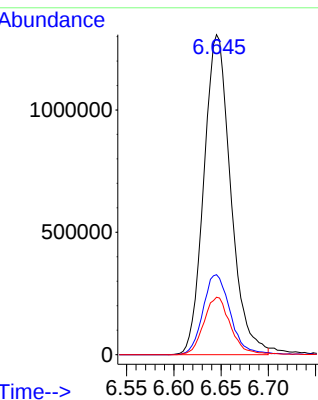
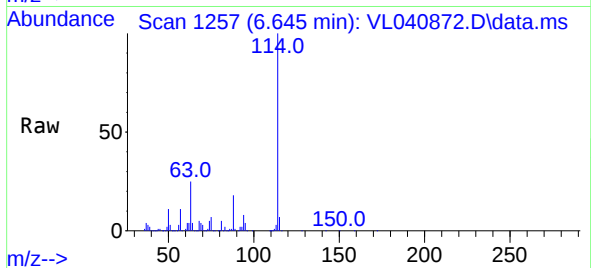
88 18.1 14.3 21.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/20/2023

Supervised By :Mahesh Dadoda 11/21/2023



#34

2-Butanone

Concen: 2.117 ppbv

RT: 4.790 min Scan# 680

Delta R.T. 0.023 min

Lab File: VL040872.D

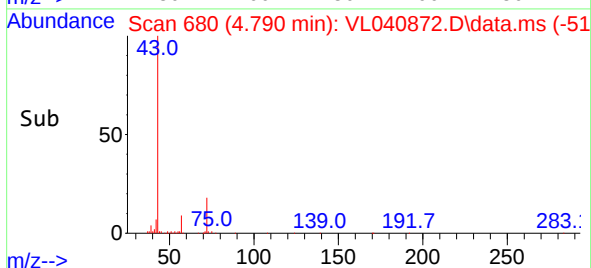
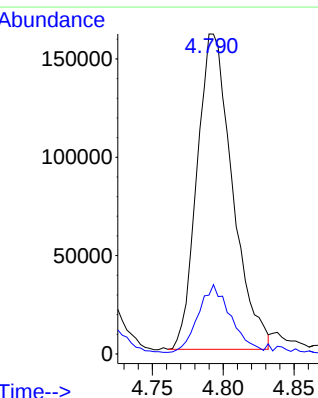
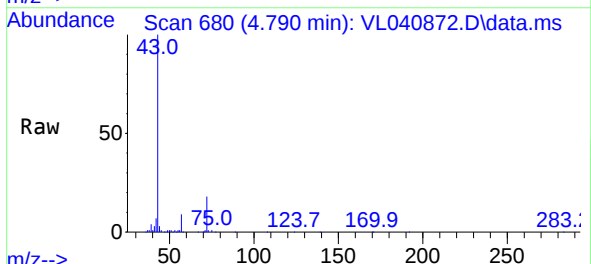
Acq: 15 Nov 2023 17:33

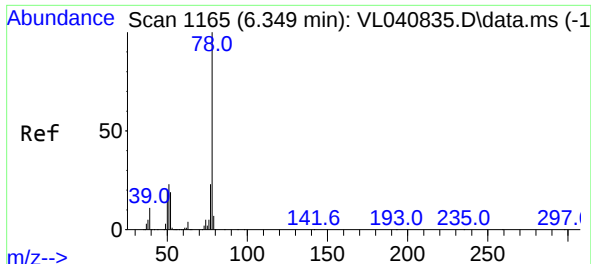
Tgt Ion: 43 Resp: 278463

Ion Ratio Lower Upper

43 100

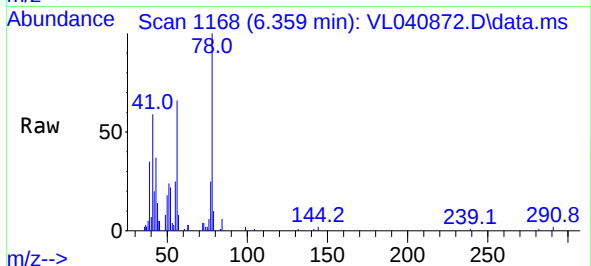
72 23.2 17.2 25.8





#36
Benzene
Concen: 0.156 ppbv m
RT: 6.359 min Scan# 1168
Delta R.T. 0.010 min
Lab File: VL040872.D
Acq: 15 Nov 2023 17:33

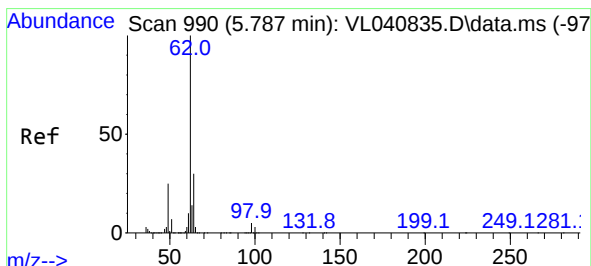
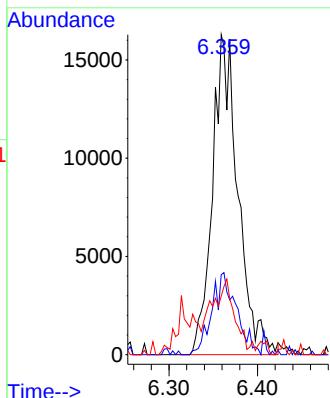
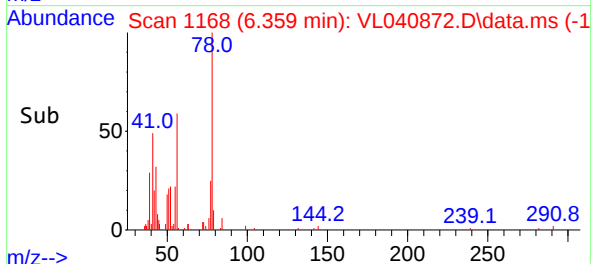
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-6



Tgt Ion: 78 Resp: 32638
Ion Ratio Lower Upper
78 100
77 25.0 18.4 27.6
50 18.3 16.2 24.2

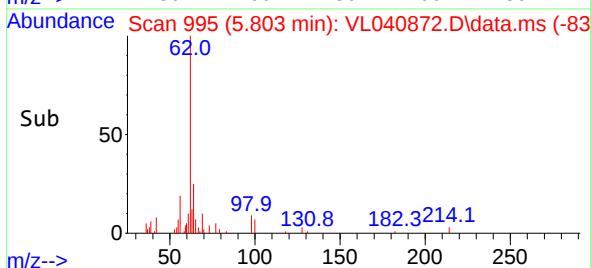
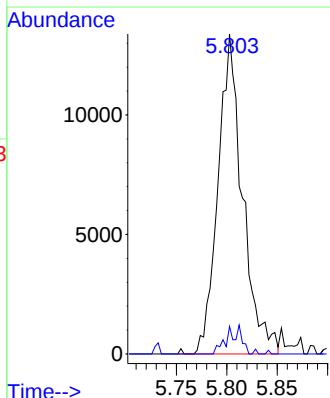
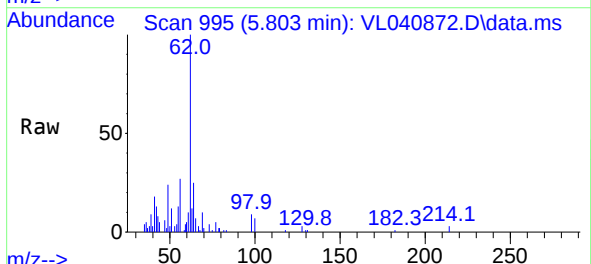
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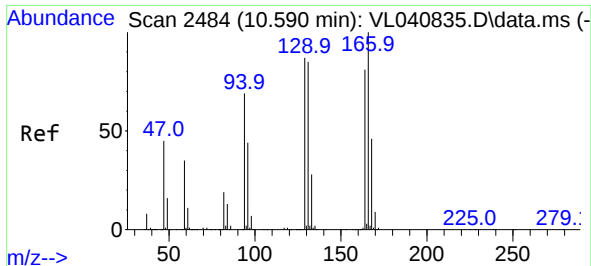
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023



#37
1,2-Dichloroethane
Concen: 0.184 ppbv m
RT: 5.803 min Scan# 995
Delta R.T. 0.016 min
Lab File: VL040872.D
Acq: 15 Nov 2023 17:33

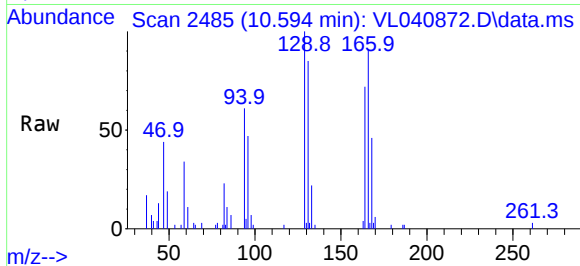
Tgt Ion: 62 Resp: 22680
Ion Ratio Lower Upper
62 100
98 5.4 4.6 6.8





#52
Tetrachloroethene
Concen: 0.242 ppbv m
RT: 10.594 min Scan# 2484
Delta R.T. 0.003 min
Lab File: VL040872.D
Acq: 15 Nov 2023 17:33

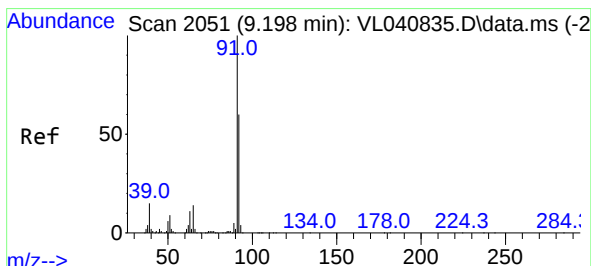
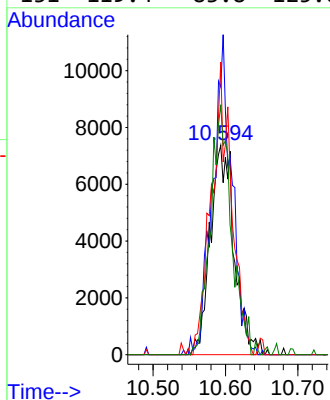
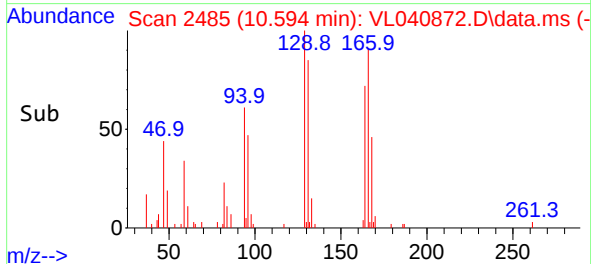
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-6



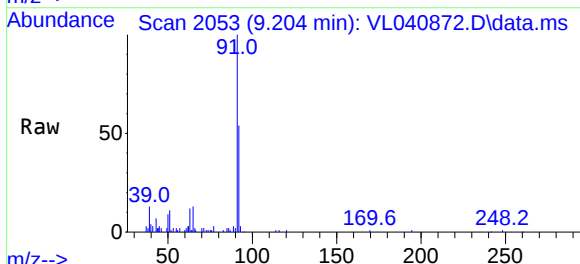
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Ion Ratio Lower Upper
164 100
166 127.8 98.3 147.5
129 139.8 85.1 127.7
131 119.4 83.8 125.6

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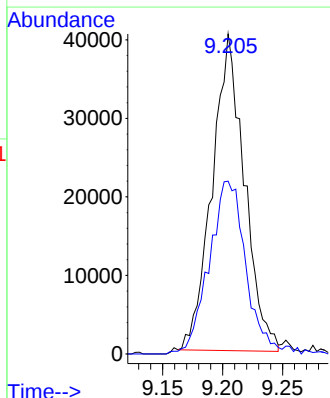
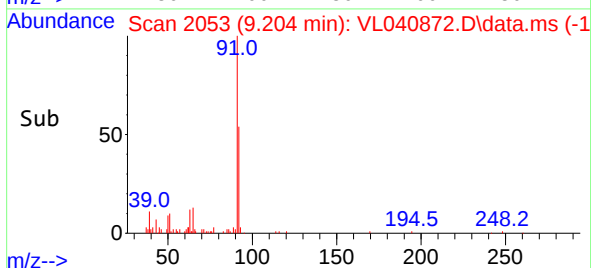
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023

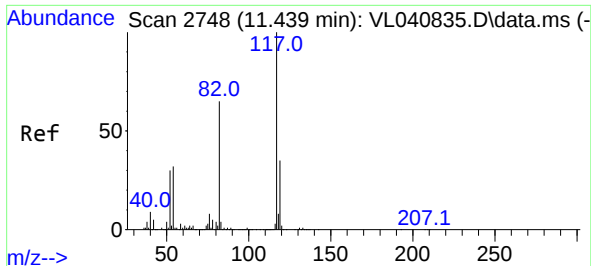


#53
Toluene
Concen: 0.327 ppbv
RT: 9.204 min Scan# 2053
Delta R.T. 0.006 min
Lab File: VL040872.D
Acq: 15 Nov 2023 17:33



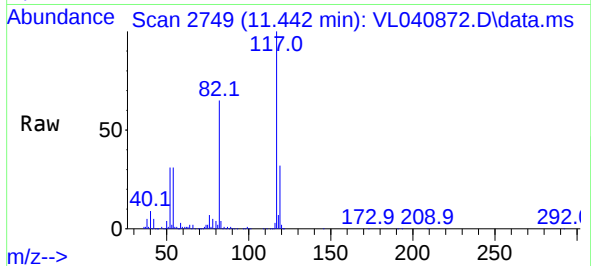
Tgt Ion: 91 Resp: 75481
Ion Ratio Lower Upper
91 100
92 62.9 49.4 74.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040872.D
Acq: 15 Nov 2023 17:33

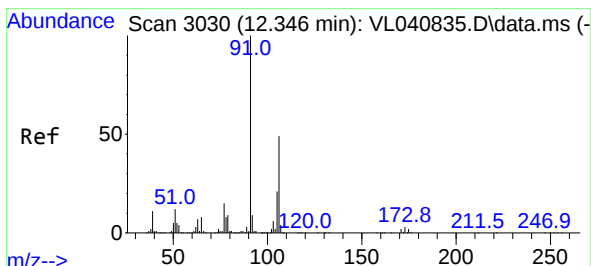
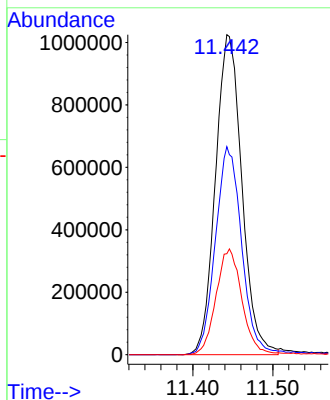
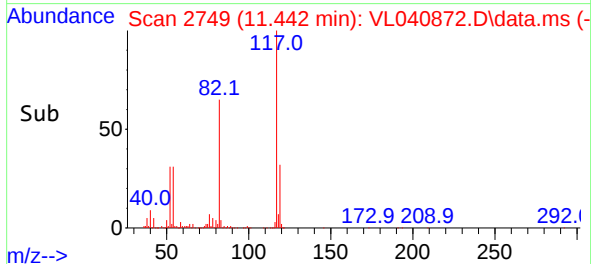
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-6



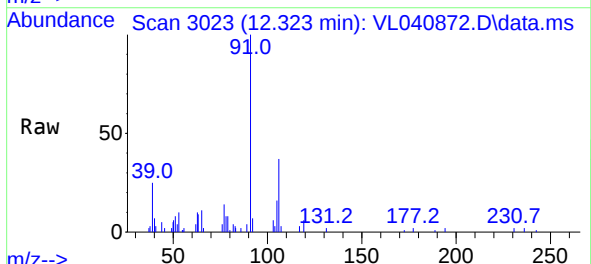
Tgt Ion:117 Resp: 2350092
Ion Ratio Lower Upper
117 100
82 66.1 50.6 75.8
119 32.9 23.3 34.9

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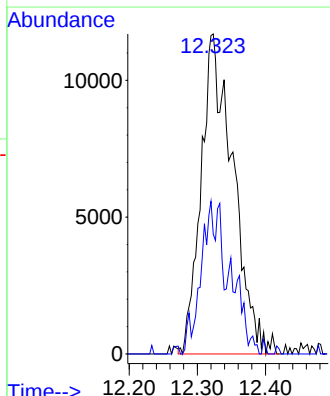
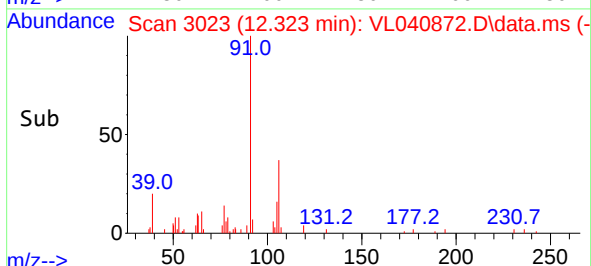
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023

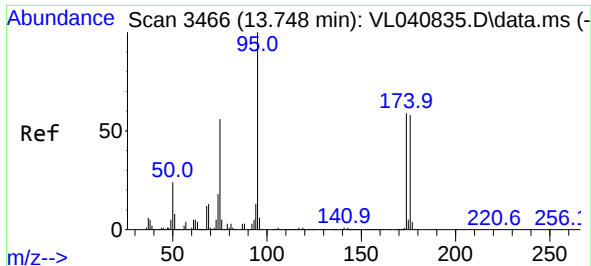


#59
m/p-Xylene
Concen: 0.146 ppbv m
RT: 12.323 min Scan# 3023
Delta R.T. -0.022 min
Lab File: VL040872.D
Acq: 15 Nov 2023 17:33



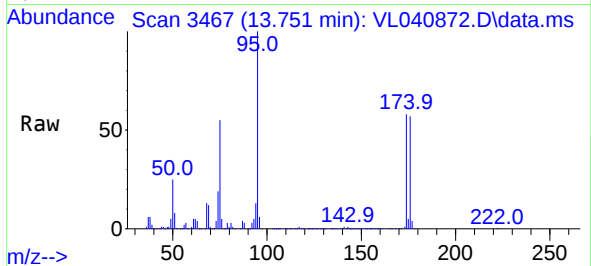
Tgt Ion: 91 Resp: 38069
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.0#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.992 ppbv
 RT: 13.751 min Scan# 3467
 Delta R.T. 0.003 min
 Lab File: VL040872.D
 Acq: 15 Nov 2023 17:33

Instrument :
 MSVOA_L
 ClientSampleId :
 NT-SS-6



Tgt Ion: 95 Resp: 183846

Ion	Ratio	Lower	Upper
95	100		
174	60.6	47.5	71.3
175	4.6	3.6	5.4

Manual Integrations
 APPROVED

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

