

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111723\
 Data File : VL040892.D
 Acq On : 17 Nov 2023 12:54
 Operator : SY/MD
 Sample : 05275-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NT-IA-1

Manual Integrations
 APPROVED

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

Quant Time: Nov 20 03:57:46 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 20 03:50:24 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.214	49	916022	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2174363	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	1917432	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1530953	10.198	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.771	85	91711	0.494	ppbv	96
3) Chlorodifluoromethane	2.716	51	53362m	0.365	ppbv	
4) Chloromethane	2.851	50	27269	0.519	ppbv	94
9) Propene	2.748	41	96189m	1.952	ppbv	
10) Heptane	7.594	43	21194	0.175	ppbv	86
11) Trichlorofluoromethane	3.600	101	33127m	0.232	ppbv	
13) Ethanol	3.279	45	4357801	455.327	ppbv #	100
15) Acetone	3.501	43	822141m	8.427	ppbv	
19) Isopropyl Alcohol	3.620	45	304316	5.183	ppbv #	97
20) Methylene Chloride	3.964	84	2175437	54.032	ppbv	96
26) Hexane	5.237	57	2250143	25.168	ppbv #	41
27) Carbon Disulfide	4.157	76	12626m	0.111	ppbv	
30) Cyclohexane	6.623	84	14709m	0.191	ppbv	
34) 2-Butanone	4.816	43	64345	0.581	ppbv	99
35) Carbon Tetrachloride	6.507	117	11344m	0.085	ppbv	
36) Benzene	6.391	78	85505m	0.485	ppbv	
44) 2,2,4-Trimethylpentane	7.340	57	87635	0.299	ppbv #	83
53) Toluene	9.230	91	180347	0.929	ppbv	99
58) Ethyl Benzene	12.089	91	36882m	0.147	ppbv	
59) m/p-Xylene	12.356	91	87644m	0.411	ppbv	
60) o-Xylene	13.069	91	34094m	0.168	ppbv	
72) 4-Ethyltoluene	15.198	105	47950m	0.215	ppbv	
73) 1,3,5-Trimethylbenzene	15.359	105	40899m	0.207	ppbv	
74) 1,2,4-Trimethylbenzene	16.111	105	161253m	0.733	ppbv	

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

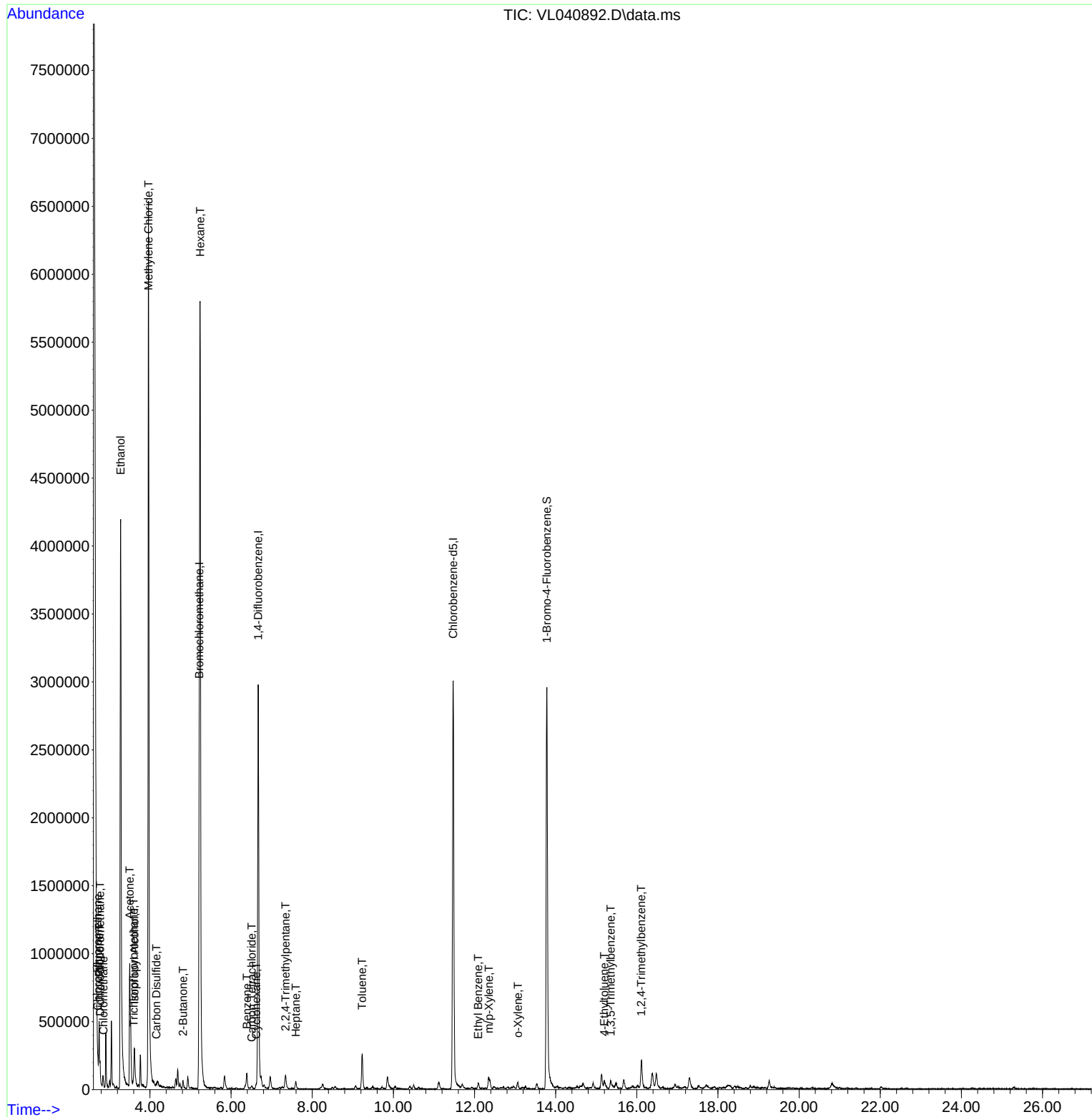
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111723\
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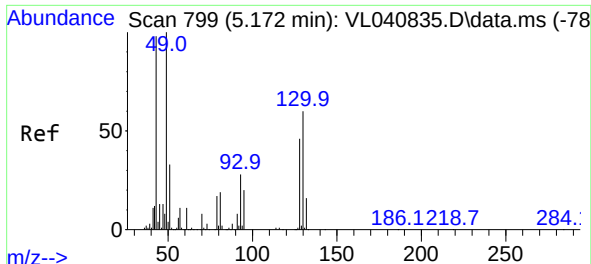
Instrument :
MSVOA_L
ClientSampleId :
NT-IA-1

Quant Time: Nov 20 03:57:46 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
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Supervised By : Mahesh Dadoda 11/21/2023





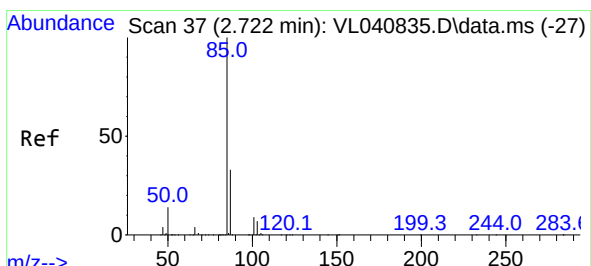
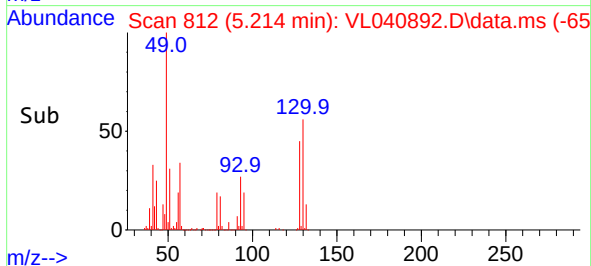
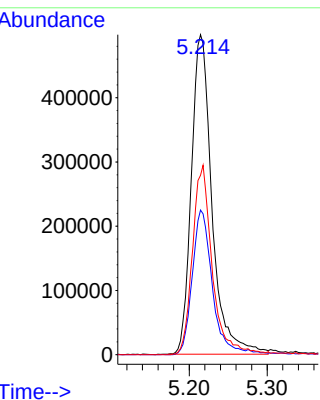
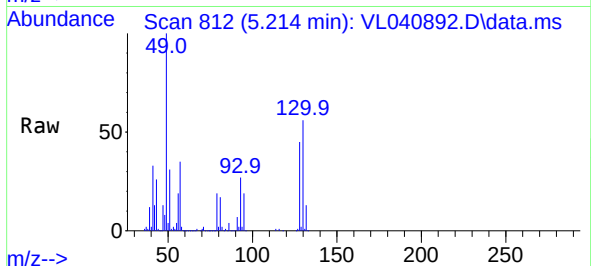
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.214 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL040892.D
Acq: 17 Nov 2023 12:54

Instrument :
MSVOA_L
ClientSampleId :
NT-IA-1

Tgt Ion: 49 Resp: 91602
Ion Ratio Lower Upper
49 100
128 44.7 23.8 71.2
130 57.7 30.9 92.8

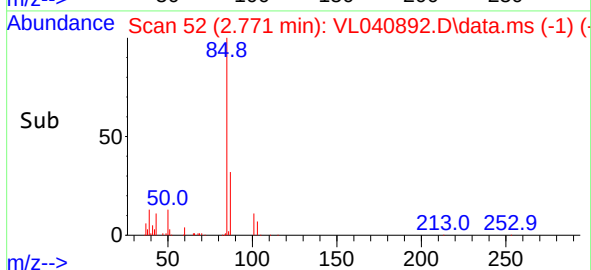
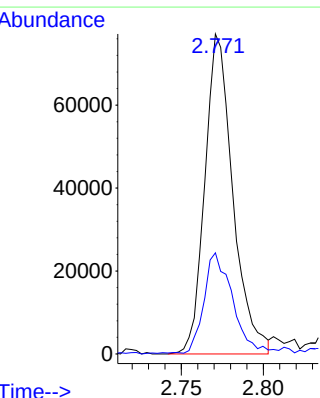
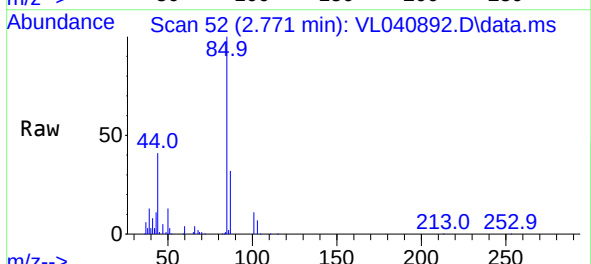
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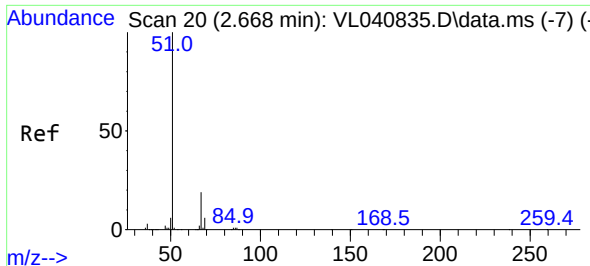
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023



#2
Dichlorodifluoromethane
Concen: 0.494 ppbv
RT: 2.771 min Scan# 52
Delta R.T. -0.003 min
Lab File: VL040892.D
Acq: 17 Nov 2023 12:54

Tgt Ion: 85 Resp: 91711
Ion Ratio Lower Upper
85 100
87 31.3 26.7 40.1





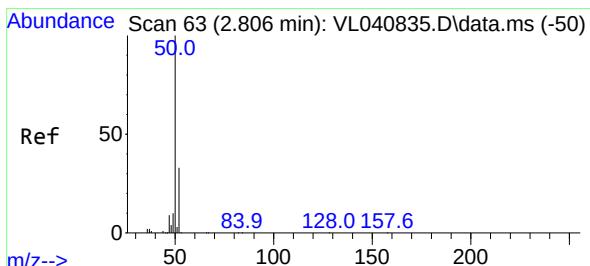
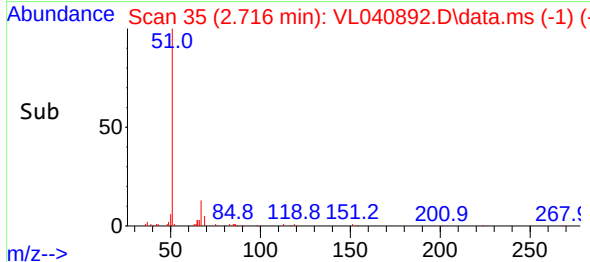
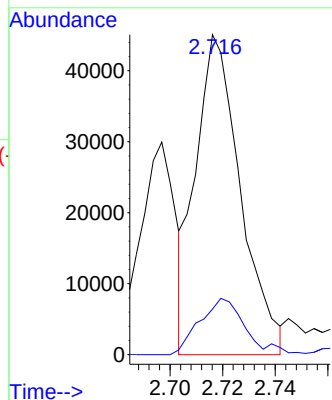
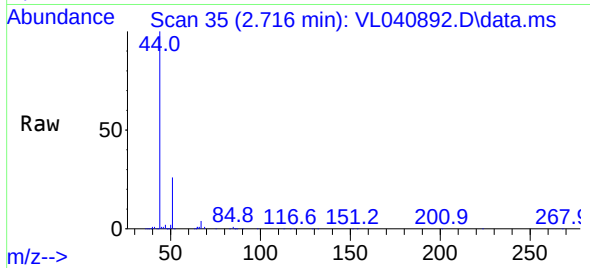
#3
Chlorodifluoromethane
Concen: 0.365 ppbv m
RT: 2.716 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040892.D
Acq: 17 Nov 2023 12:54

Instrument :
MSVOA_L
ClientSampleId :
NT-IA-1

Tgt Ion: 51 Resp: 53362
Ion Ratio Lower Upper
51 100
67 20.0 15.0 22.4

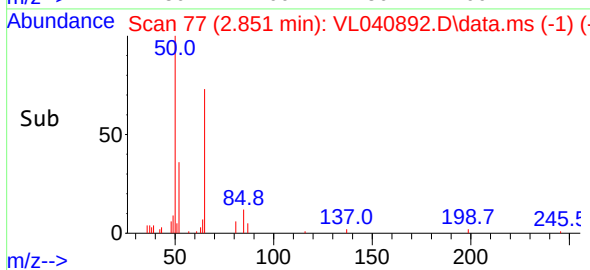
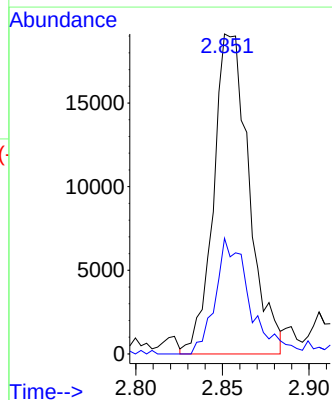
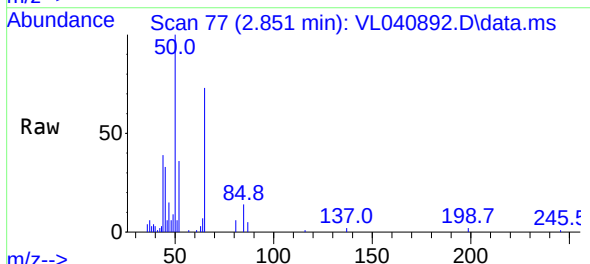
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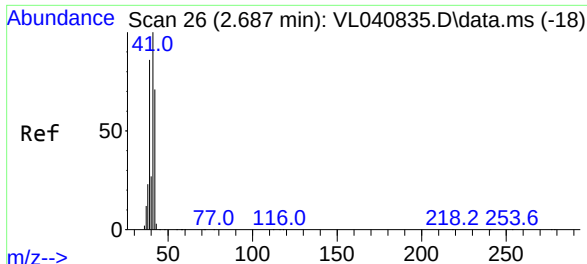
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023



#4
Chloromethane
Concen: 0.519 ppbv
RT: 2.851 min Scan# 77
Delta R.T. -0.003 min
Lab File: VL040892.D
Acq: 17 Nov 2023 12:54

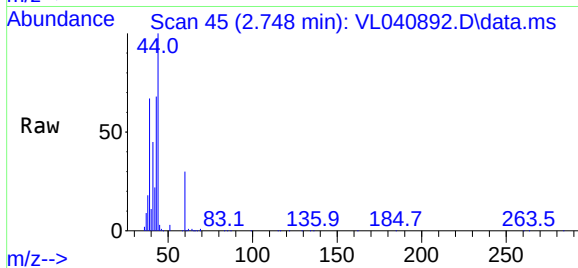
Tgt Ion: 50 Resp: 27269
Ion Ratio Lower Upper
50 100
52 36.7 26.5 39.7





#9
Propene
Concen: 1.952 ppbv m
RT: 2.748 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL040892.D
Acq: 17 Nov 2023 12:54

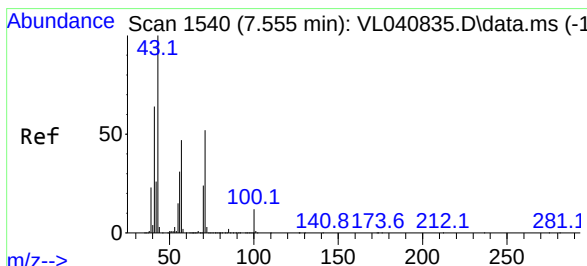
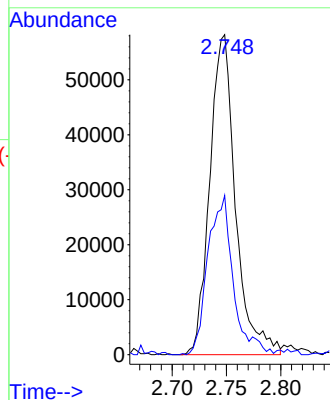
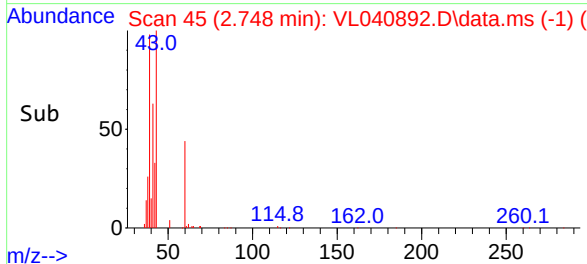
Instrument :
MSVOA_L
ClientSampleId :
NT-IA-1



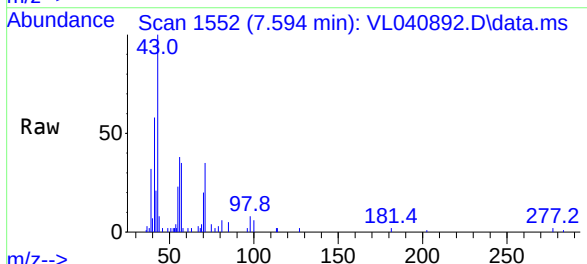
Tgt Ion: 41 Resp: 96189
Ion Ratio Lower Upper
41 100
42 66.2 56.5 84.7

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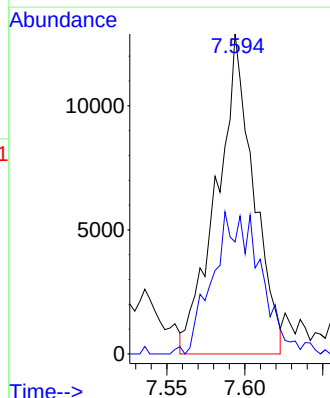
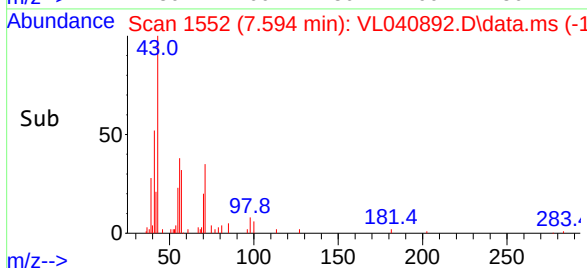
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023

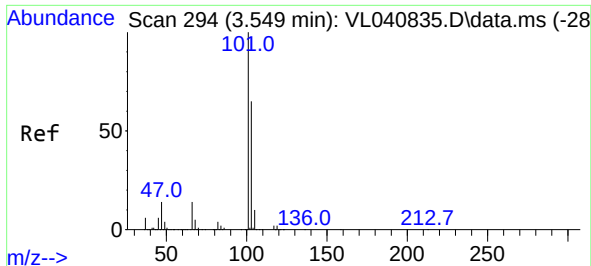


#10
Heptane
Concen: 0.175 ppbv
RT: 7.594 min Scan# 1552
Delta R.T. 0.006 min
Lab File: VL040892.D
Acq: 17 Nov 2023 12:54



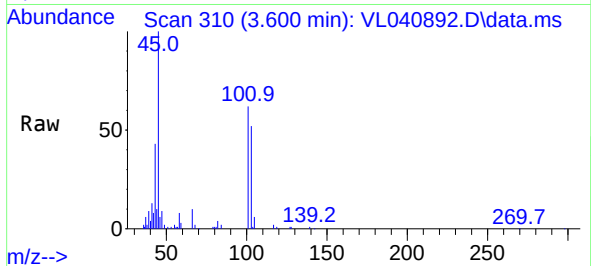
Tgt Ion: 43 Resp: 21194
Ion Ratio Lower Upper
43 100
57 58.7 39.4 59.0





#11
Trichlorofluoromethane
Concen: 0.232 ppbv m
RT: 3.600 min Scan# 311
Delta R.T. 0.006 min
Lab File: VL040892.D
Acq: 17 Nov 2023 12:54

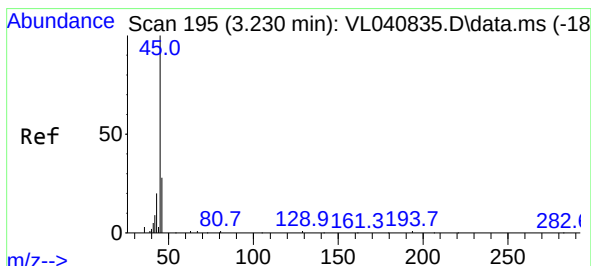
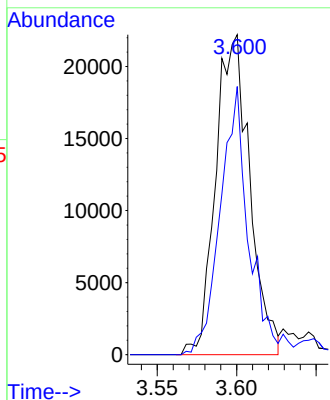
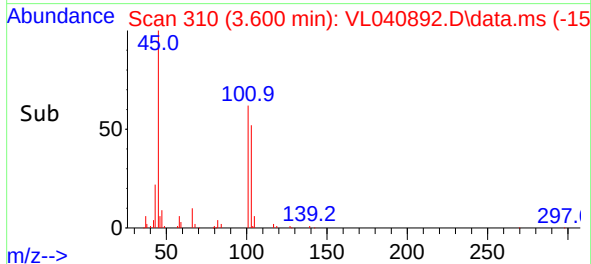
Instrument :
MSVOA_L
ClientSampleId :
NT-IA-1



Tgt Ion:101 Resp: 3312
Ion Ratio Lower Upper
101 100
103 83.8 51.8 77.8

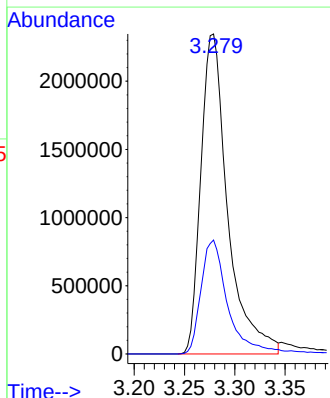
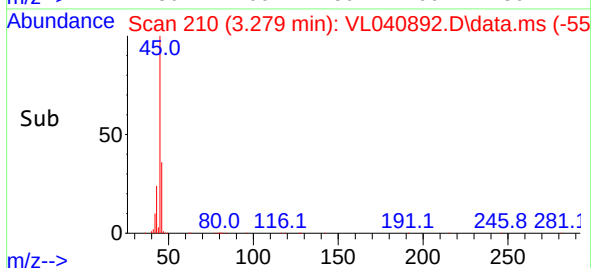
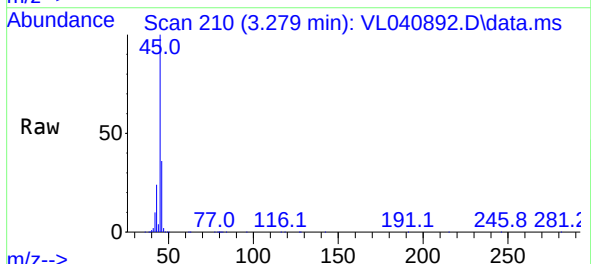
Manual Integrations
APPROVED

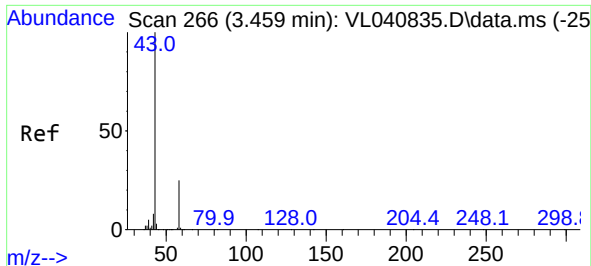
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023



#13
Ethanol
Concen: 455.327 ppbv
RT: 3.279 min Scan# 210
Delta R.T. -0.000 min
Lab File: VL040892.D
Acq: 17 Nov 2023 12:54

Tgt Ion: 45 Resp: 4357801
Ion Ratio Lower Upper
45 100
46 36.7 0.0 0.0





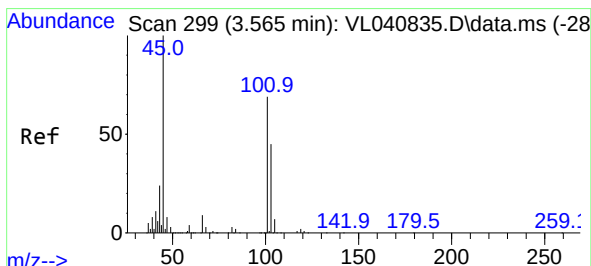
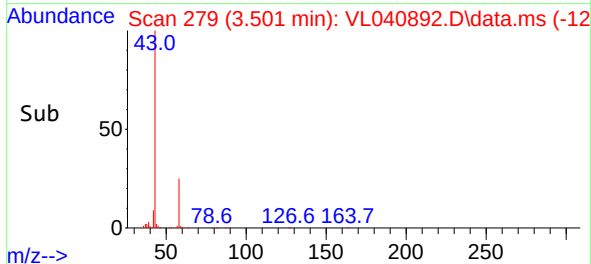
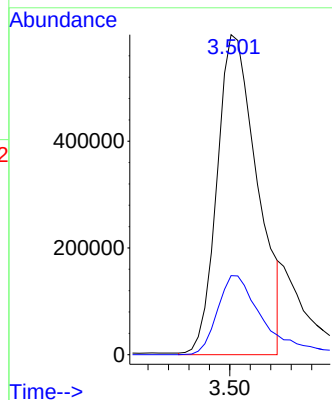
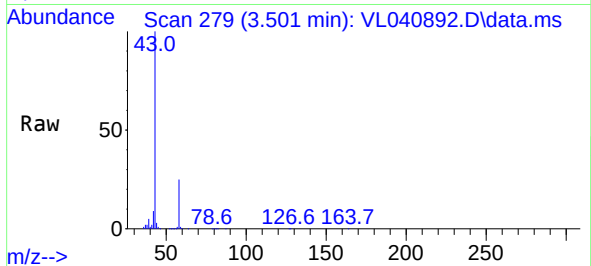
#15
Acetone
Concen: 8.427 ppbv
RT: 3.501 min Scan# 211
Delta R.T. -0.000 min
Lab File: VL040892.D
Acq: 17 Nov 2023 12:54

Instrument :
MSVOA_L
ClientSampleId :
NT-IA-1

Tgt Ion: 43 Resp: 82214
Ion Ratio Lower Upper
43 100
58 29.0 20.9 31.3

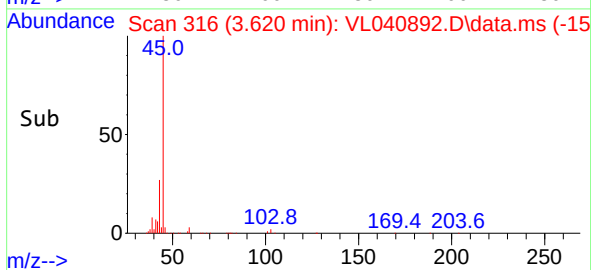
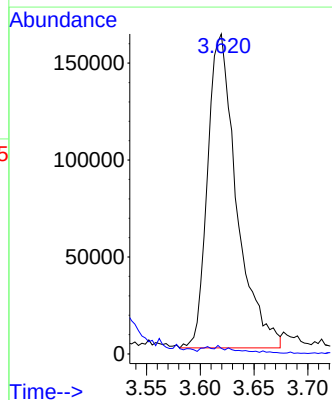
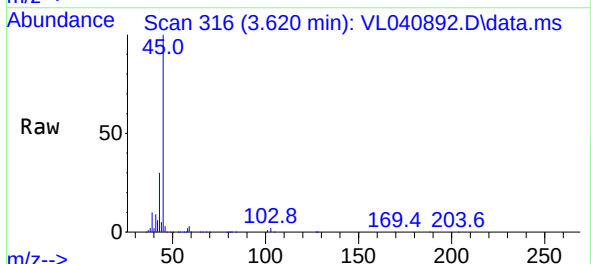
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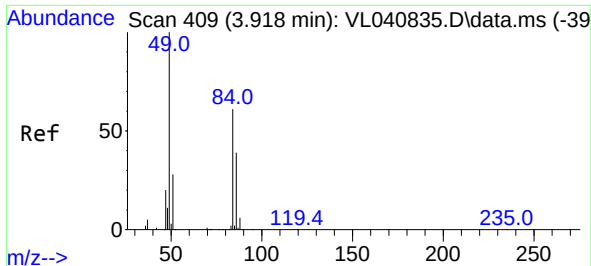
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023



#19
Isopropyl Alcohol
Concen: 5.183 ppbv
RT: 3.620 min Scan# 316
Delta R.T. 0.010 min
Lab File: VL040892.D
Acq: 17 Nov 2023 12:54

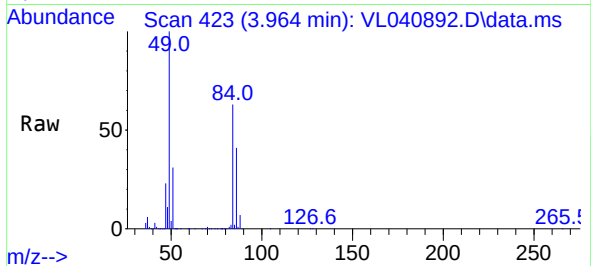
Tgt Ion: 45 Resp: 304316
Ion Ratio Lower Upper
45 100
58 2.9 1.6 2.4#





#20
Methylene Chloride
Concen: 54.032 ppbv
RT: 3.964 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL040892.D
Acq: 17 Nov 2023 12:54

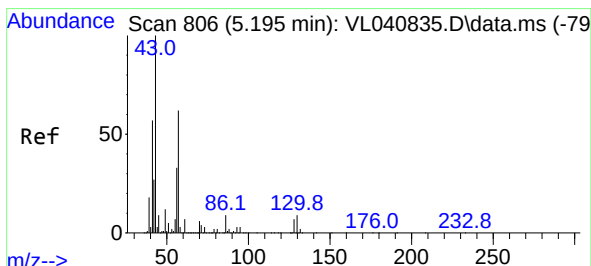
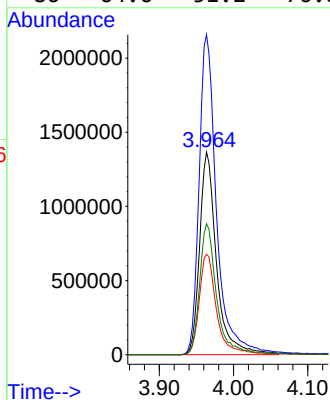
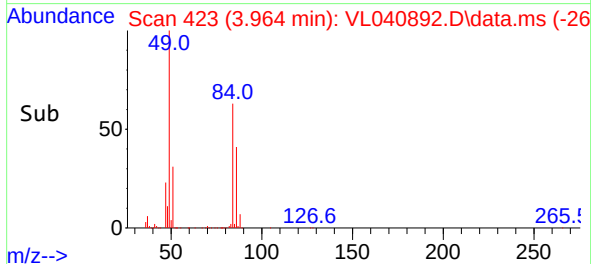
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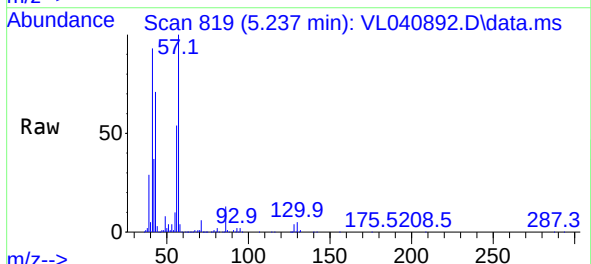
Tgt Ion: 84 Resp: 217543
Ion Ratio Lower Upper
84 100
49 158.0 131.0 196.4
51 49.6 36.9 55.3
86 64.6 51.2 76.8

Manual Integrations
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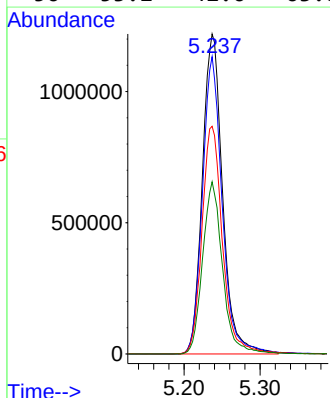
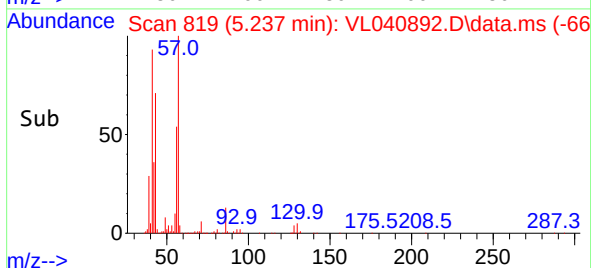
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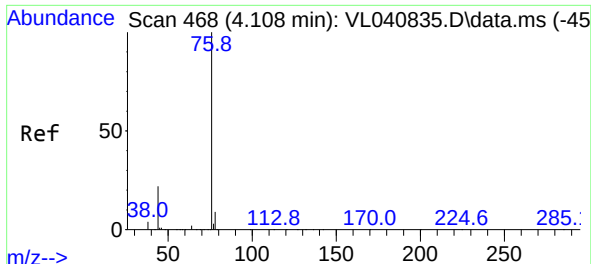


#26
Hexane
Concen: 25.168 ppbv
RT: 5.237 min Scan# 819
Delta R.T. 0.006 min
Lab File: VL040892.D
Acq: 17 Nov 2023 12:54



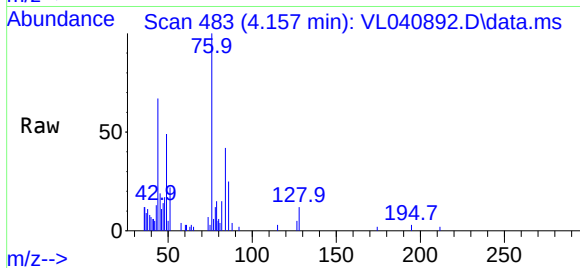
Tgt Ion: 57 Resp: 2250143
Ion Ratio Lower Upper
57 100
41 91.7 75.4 113.0
43 72.6 185.9 278.9#
56 53.2 42.6 63.8





#27
Carbon Disulfide
Concen: 0.111 ppbv m
RT: 4.157 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040892.D
Acq: 17 Nov 2023 12:54

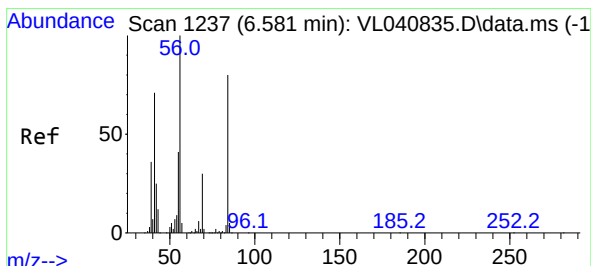
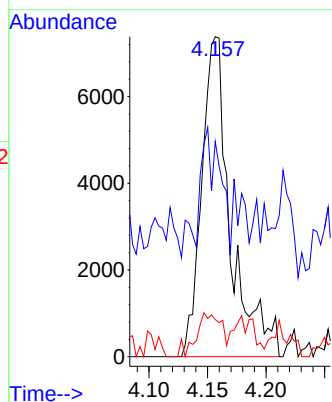
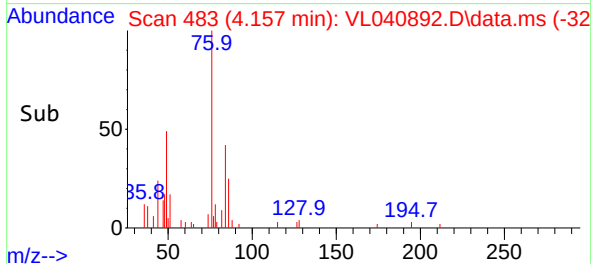
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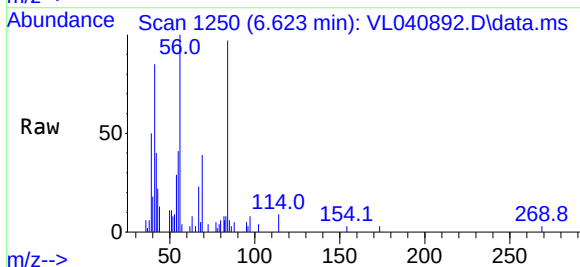
Tgt Ion: 76 Resp: 12620
Ion Ratio Lower Upper
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78 11.8 7.6 11.4#

Manual Integrations
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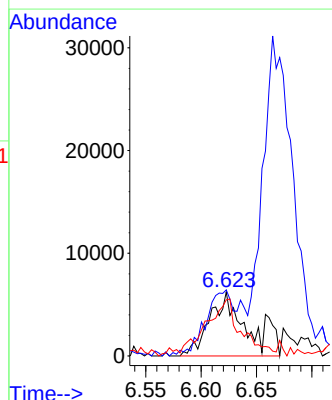
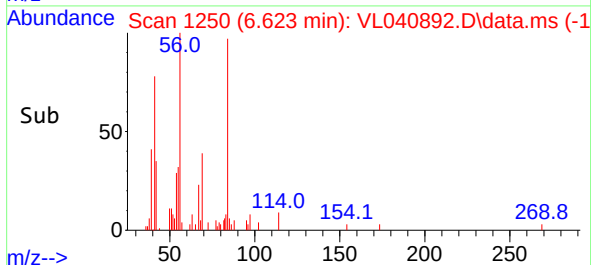
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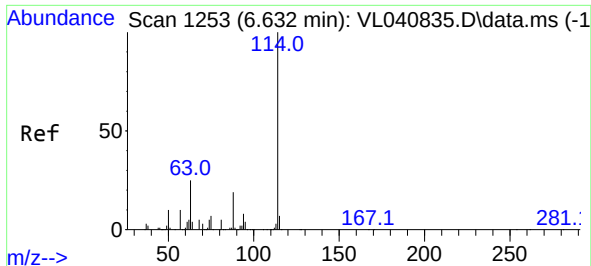


#30
Cyclohexane
Concen: 0.191 ppbv m
RT: 6.623 min Scan# 1250
Delta R.T. 0.010 min
Lab File: VL040892.D
Acq: 17 Nov 2023 12:54



Tgt Ion: 84 Resp: 14709
Ion Ratio Lower Upper
84 100
56 0.0 109.3 163.9#
41 0.0 71.4 107.2#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.668 min Scan# 114

Delta R.T. 0.003 min

Lab File: VL040892.D

Acq: 17 Nov 2023 12:54

Instrument :

MSVOA_L

ClientSampleId :

NT-IA-1

Tgt Ion:114 Resp: 217436

Ion Ratio Lower Upper

114 100

63 26.5 20.9 31.3

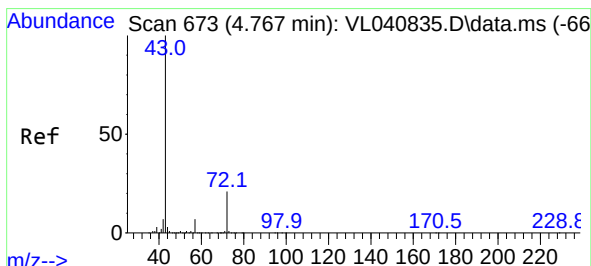
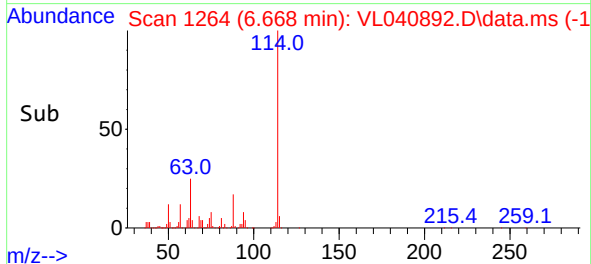
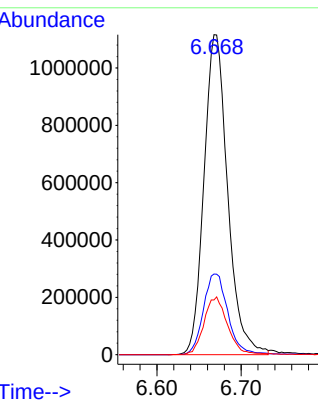
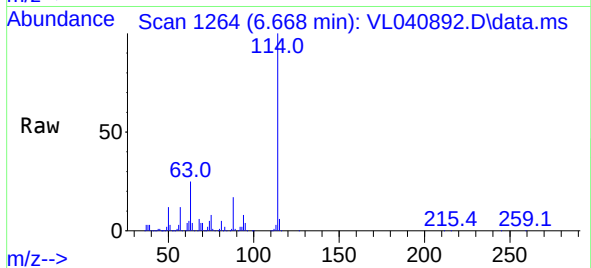
88 18.2 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/20/2023

Supervised By :Mahesh Dadoda 11/21/2023



#34

2-Butanone

Concen: 0.581 ppbv

RT: 4.816 min Scan# 688

Delta R.T. 0.010 min

Lab File: VL040892.D

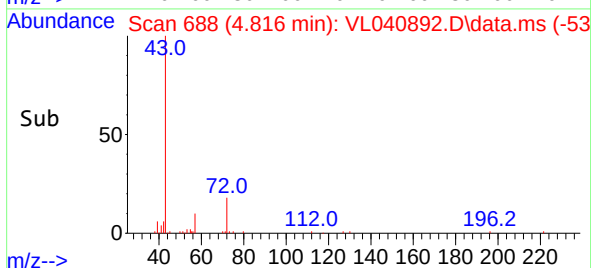
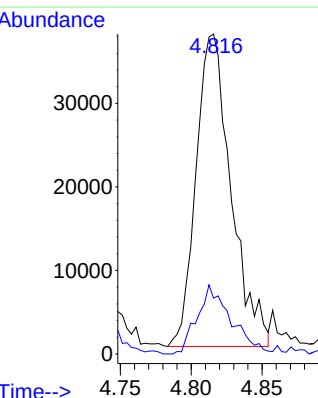
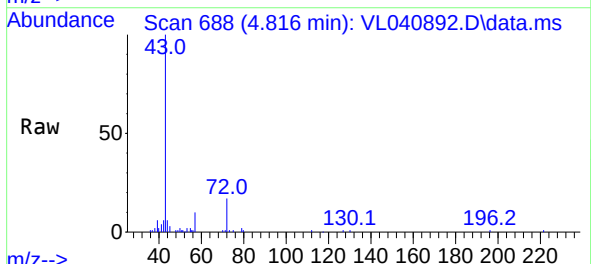
Acq: 17 Nov 2023 12:54

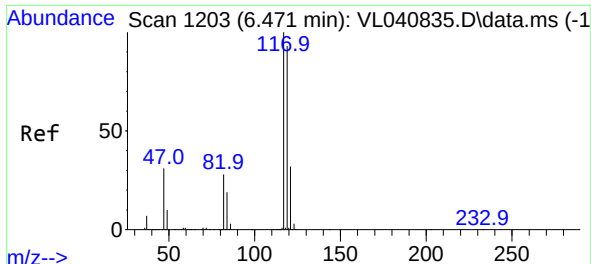
Tgt Ion: 43 Resp: 64345

Ion Ratio Lower Upper

43 100

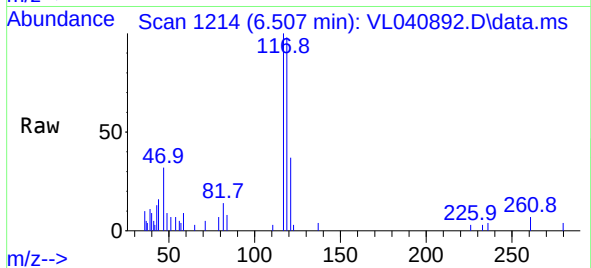
72 21.7 17.2 25.8





#35
Carbon Tetrachloride
Concen: 0.085 ppbv m
RT: 6.507 min Scan# 1178
Delta R.T. -0.000 min
Lab File: VL040892.D
Acq: 17 Nov 2023 12:54

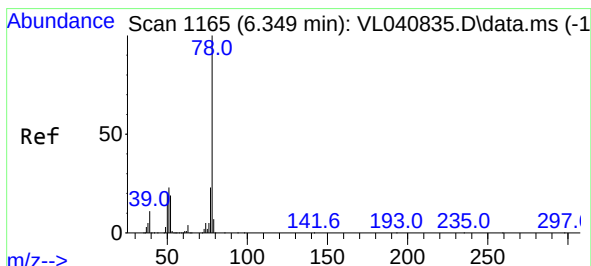
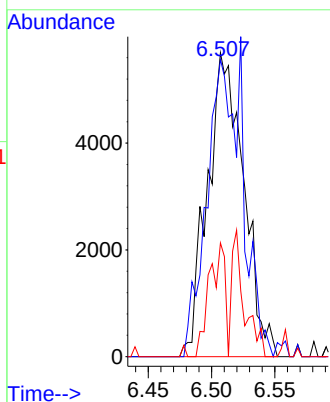
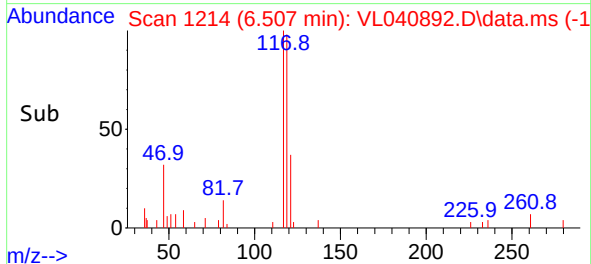
Instrument :
MSVOA_L
ClientSampleId :
NT-IA-1



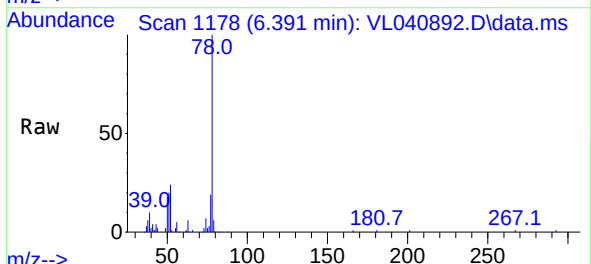
Tgt Ion: 117 Resp: 11344
Ion Ratio Lower Upper
117 100
119 97.8 74.7 112.1
121 37.5 25.5 38.3

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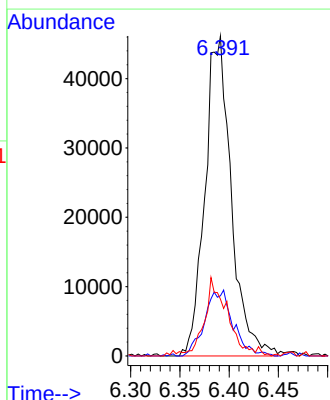
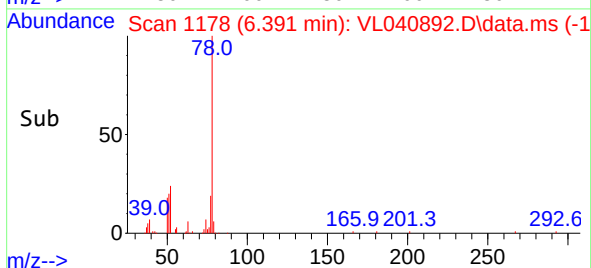
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023

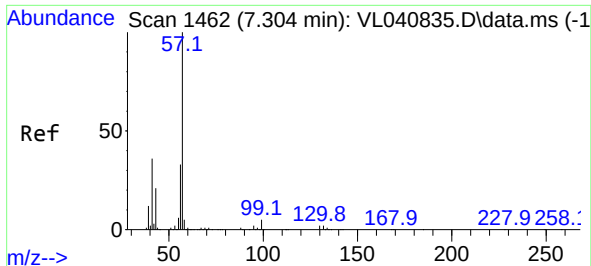


#36
Benzene
Concen: 0.485 ppbv m
RT: 6.391 min Scan# 1178
Delta R.T. 0.006 min
Lab File: VL040892.D
Acq: 17 Nov 2023 12:54



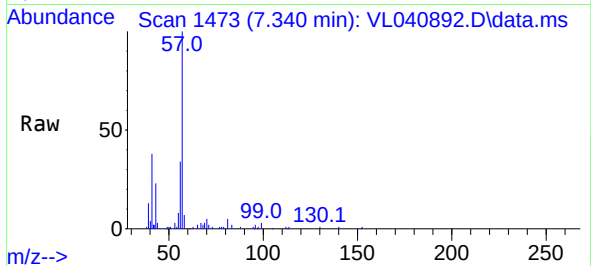
Tgt Ion: 78 Resp: 85505
Ion Ratio Lower Upper
78 100
77 18.8 18.4 27.6
50 17.7 16.2 24.2





#44
2,2,4-Trimethylpentane
Concen: 0.299 ppbv
RT: 7.340 min Scan# 1462
Delta R.T. 0.006 min
Lab File: VL040892.D
Acq: 17 Nov 2023 12:54

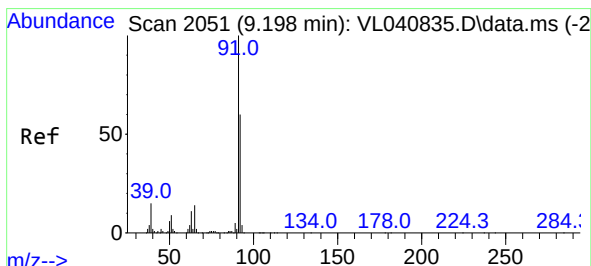
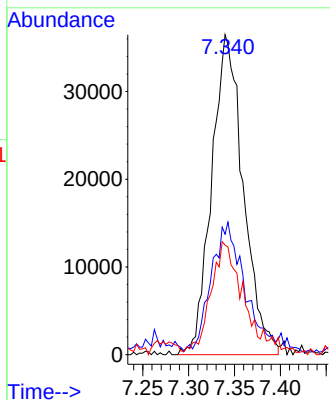
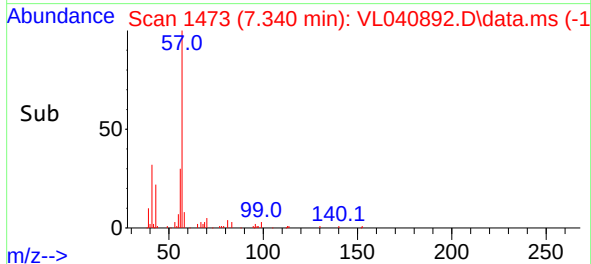
Instrument :
MSVOA_L
ClientSampleId :
NT-IA-1



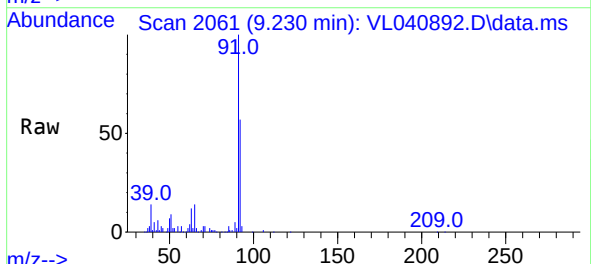
Tgt Ion: 57 Resp: 8763
Ion Ratio Lower Upper
57 100
41 47.5 29.0 43.6
56 39.1 25.2 37.8

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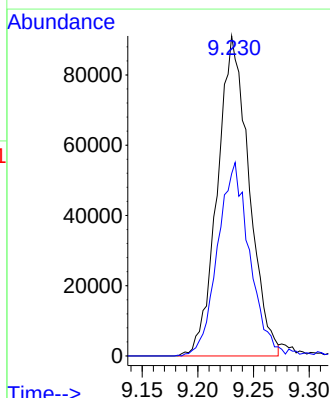
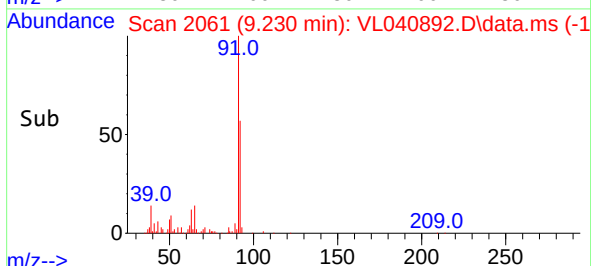
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023

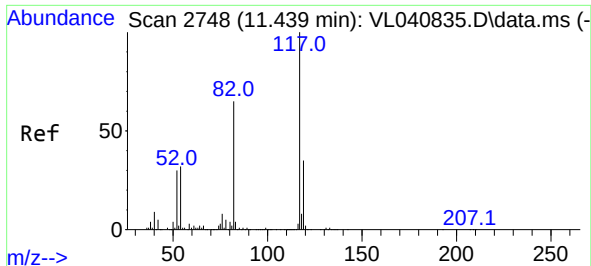


#53
Toluene
Concen: 0.929 ppbv
RT: 9.230 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VL040892.D
Acq: 17 Nov 2023 12:54



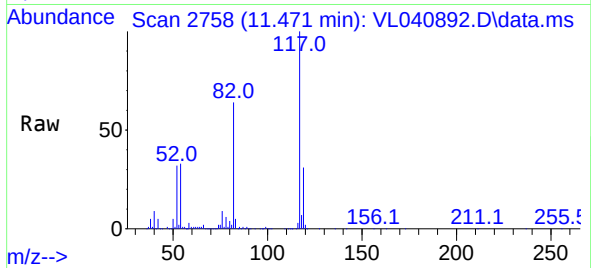
Tgt Ion: 91 Resp: 180347
Ion Ratio Lower Upper
91 100
92 62.6 49.4 74.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL040892.D
Acq: 17 Nov 2023 12:54

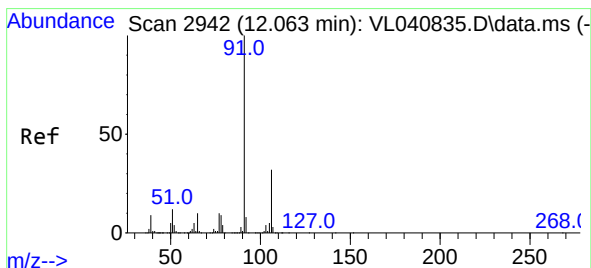
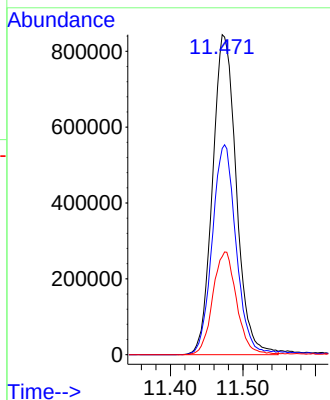
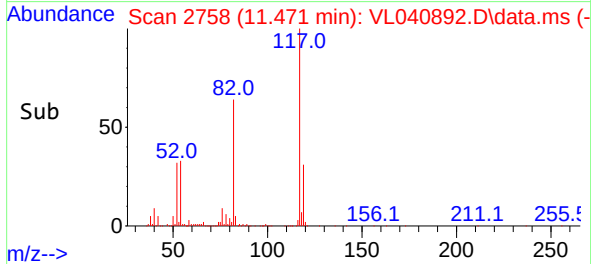
Instrument :
MSVOA_L
ClientSampleId :
NT-IA-1



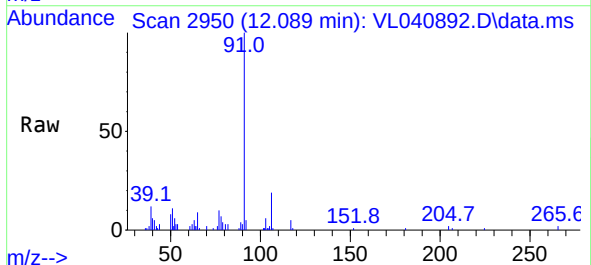
Tgt Ion:117 Resp: 191743
Ion Ratio Lower Upper
117 100
82 67.6 50.6 75.8
119 32.7 23.3 34.9

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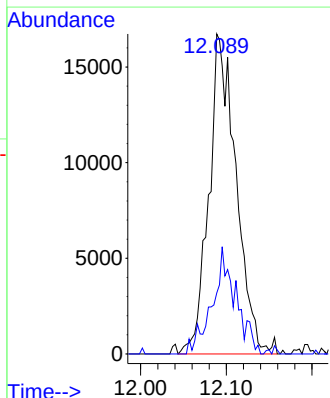
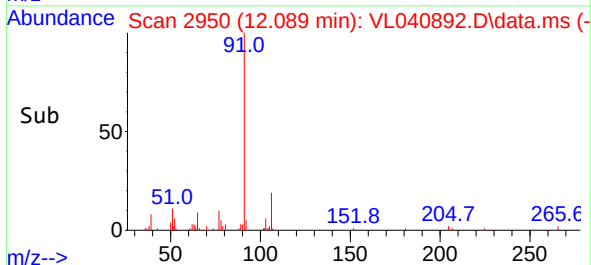
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023

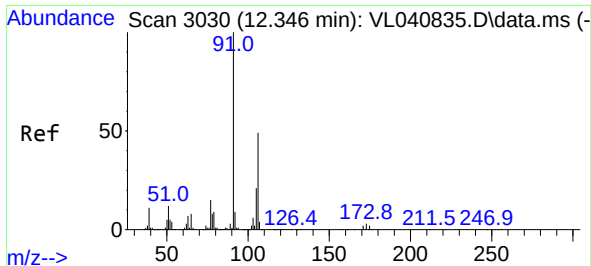


#58
Ethyl Benzene
Concen: 0.147 ppbv m
RT: 12.089 min Scan# 2950
Delta R.T. 0.003 min
Lab File: VL040892.D
Acq: 17 Nov 2023 12:54



Tgt Ion: 91 Resp: 36882
Ion Ratio Lower Upper
91 100
106 19.1 25.2 37.8#





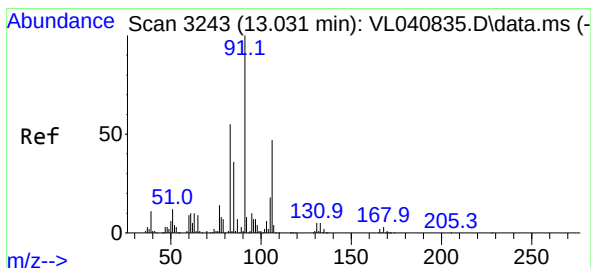
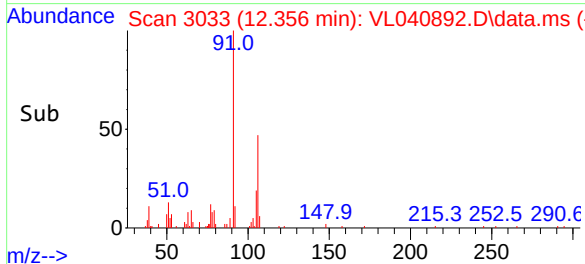
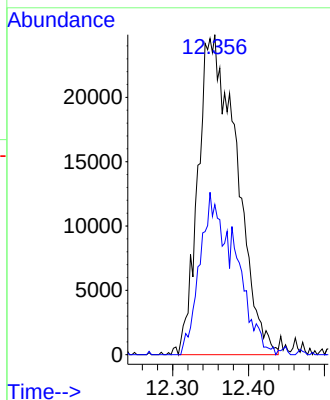
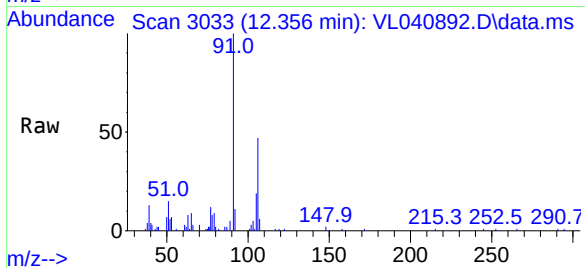
#59
m/p-Xylene
Concen: 0.411 ppbv m
RT: 12.356 min Scan# 3033
Delta R.T. -0.013 min
Lab File: VL040892.D
Acq: 17 Nov 2023 12:54

Instrument :
MSVOA_L
ClientSampleId :
NT-IA-1

Tgt Ion: 91 Resp: 87644
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.0

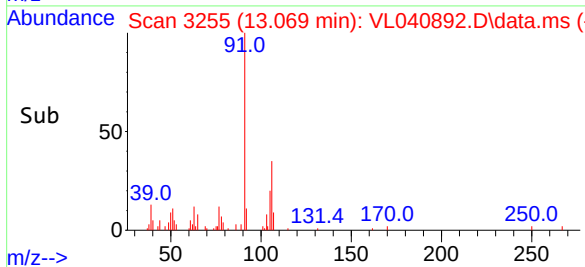
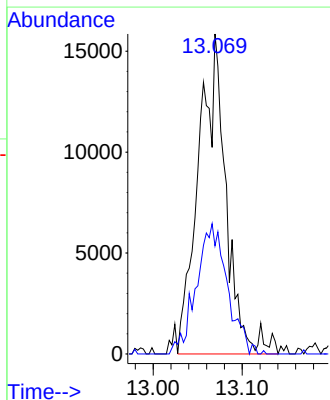
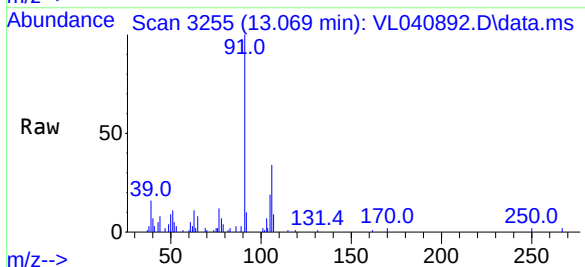
Manual Integrations
APPROVED

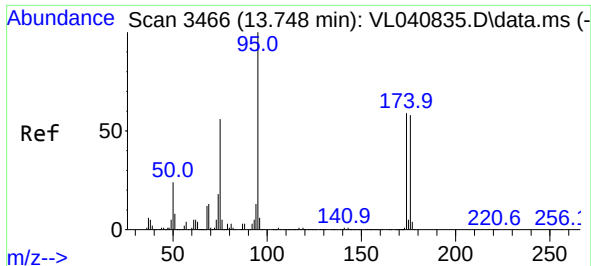
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023



#60
o-Xylene
Concen: 0.168 ppbv m
RT: 13.069 min Scan# 3255
Delta R.T. 0.016 min
Lab File: VL040892.D
Acq: 17 Nov 2023 12:54

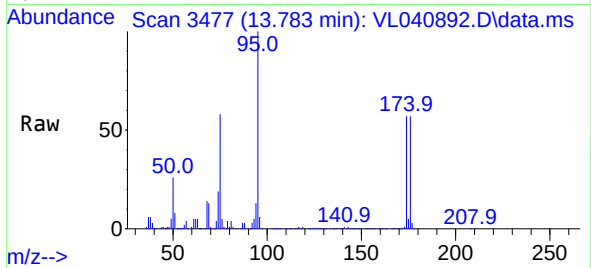
Tgt Ion: 91 Resp: 34094
Ion Ratio Lower Upper
91 100
106 45.5 22.9 68.5





#68
1-Bromo-4-Fluorobenzene
Concen: 10.198 ppbv
RT: 13.783 min Scan# 3466
Delta R.T. 0.013 min
Lab File: VL040892.D
Acq: 17 Nov 2023 12:54

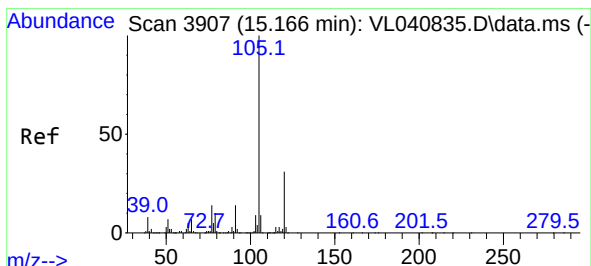
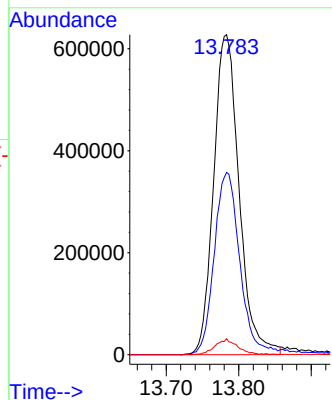
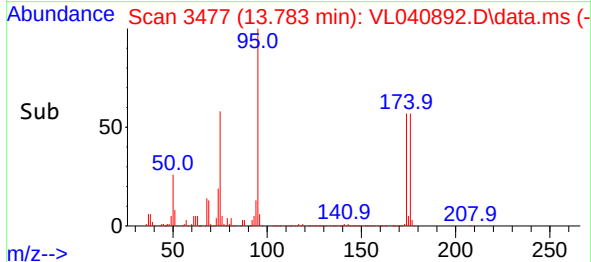
Instrument :
MSVOA_L
ClientSampleId :
NT-IA-1



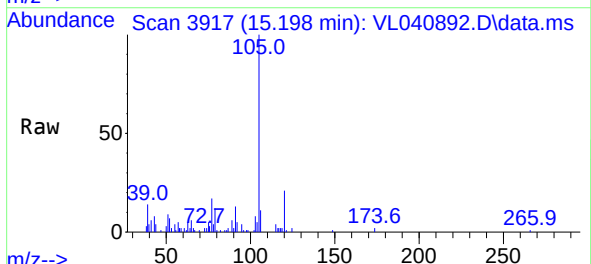
Tgt Ion: 95 Resp: 153095
Ion Ratio Lower Upper
95 100
174 58.9 47.5 71.3
175 4.5 3.6 5.4

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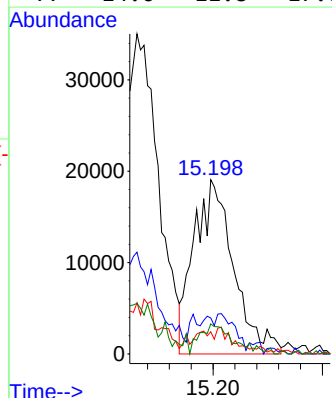
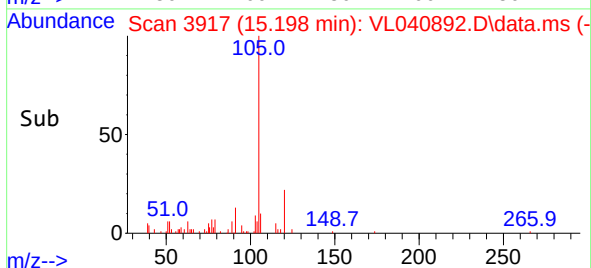
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023

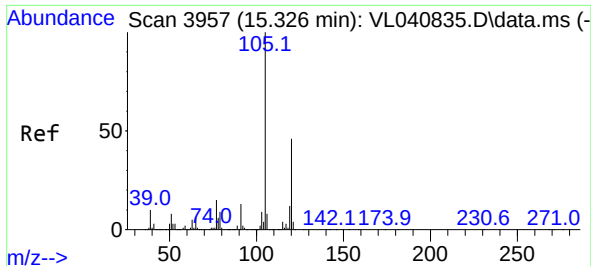


#72
4-Ethyltoluene
Concen: 0.215 ppbv m
RT: 15.198 min Scan# 3917
Delta R.T. 0.013 min
Lab File: VL040892.D
Acq: 17 Nov 2023 12:54



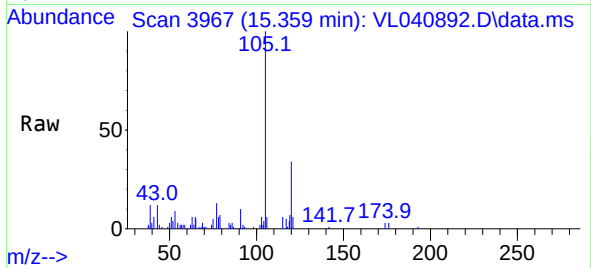
Tgt Ion:105 Resp: 47950
Ion Ratio Lower Upper
105 100
120 25.4 24.5 36.7
91 15.9 10.6 16.0
77 14.6 11.8 17.6





#73
1,3,5-Trimethylbenzene
Concen: 0.207 ppbv m
RT: 15.359 min Scan# 3957
Delta R.T. 0.016 min
Lab File: VL040892.D
Acq: 17 Nov 2023 12:54

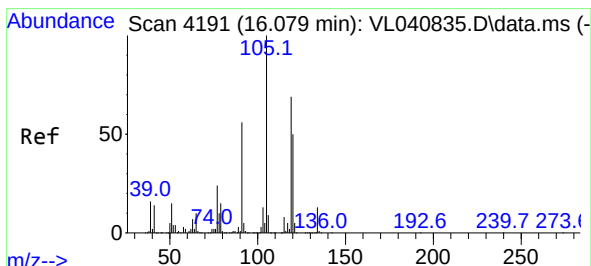
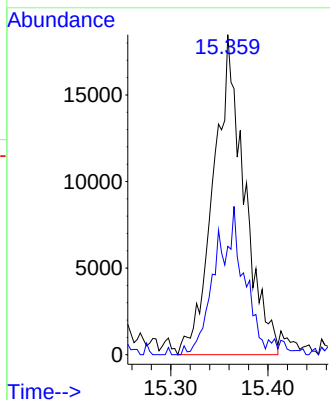
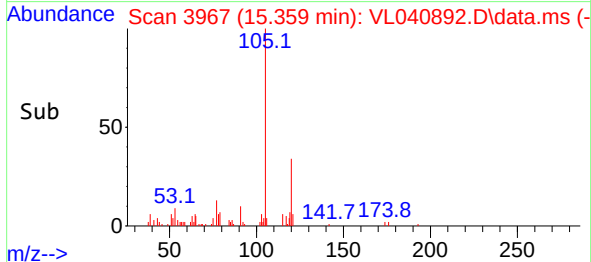
Instrument :
MSVOA_L
ClientSampleId :
NT-IA-1



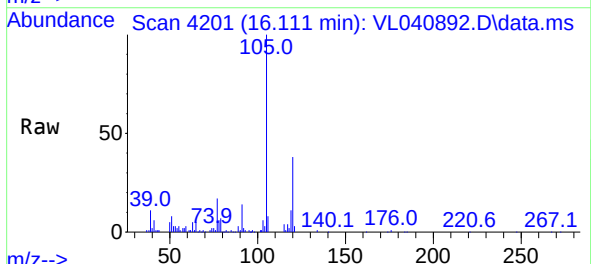
Tgt Ion:105 Resp: 40899
Ion Ratio Lower Upper
105 100
120 33.8 36.8 55.2

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



#74
1,2,4-Trimethylbenzene
Concen: 0.733 ppbv m
RT: 16.111 min Scan# 4201
Delta R.T. 0.010 min
Lab File: VL040892.D
Acq: 17 Nov 2023 12:54



Tgt Ion:105 Resp: 161253
Ion Ratio Lower Upper
105 100
120 37.6 40.2 60.2#
91 14.1 45.7 68.5#
77 16.5 19.2 28.8#

