

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111423\
 Data File : VL040850.D
 Acq On : 14 Nov 2023 14:37
 Operator : SY/MD
 Sample : 05365-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

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

Quant Time: Nov 15 15:30:53 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	5.189	49	1056375	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.642	114	2653988	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2267297	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.751	95	1751483	9.867	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.700%
Target Compounds					Qvalue	
11) Trichlorofluoromethane	3.571	101	40133	0.244	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.076	101	9096m	0.078	ppbv	
13) Ethanol	3.253	45	3885050	351.998	ppbv #	100
15) Acetone	3.475	43	2717260m	24.152	ppbv	
20) Methylene Chloride	3.938	84	524977	11.307	ppbv	97
26) Hexane	5.211	57	515137	4.996	ppbv #	51
29) Chloroform	5.269	83	423102	2.421	ppbv	98
36) Benzene	6.359	78	209508	0.973	ppbv	99
44) 2,2,4-Trimethylpentane	7.311	57	211383	0.591	ppbv #	81
52) Tetrachloroethene	10.600	164	10954m	0.151	ppbv	
53) Toluene	9.198	91	574057	2.422	ppbv	100
58) Ethyl Benzene	12.066	91	153041	0.517	ppbv	93
59) m/p-Xylene	12.320	91	435622m	1.729	ppbv	
60) o-Xylene	13.034	91	180409	0.752	ppbv	98
73) 1,3,5-Trimethylbenzene	15.320	105	70250m	0.301	ppbv	
74) 1,2,4-Trimethylbenzene	16.079	105	250243	0.962	ppbv #	63

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

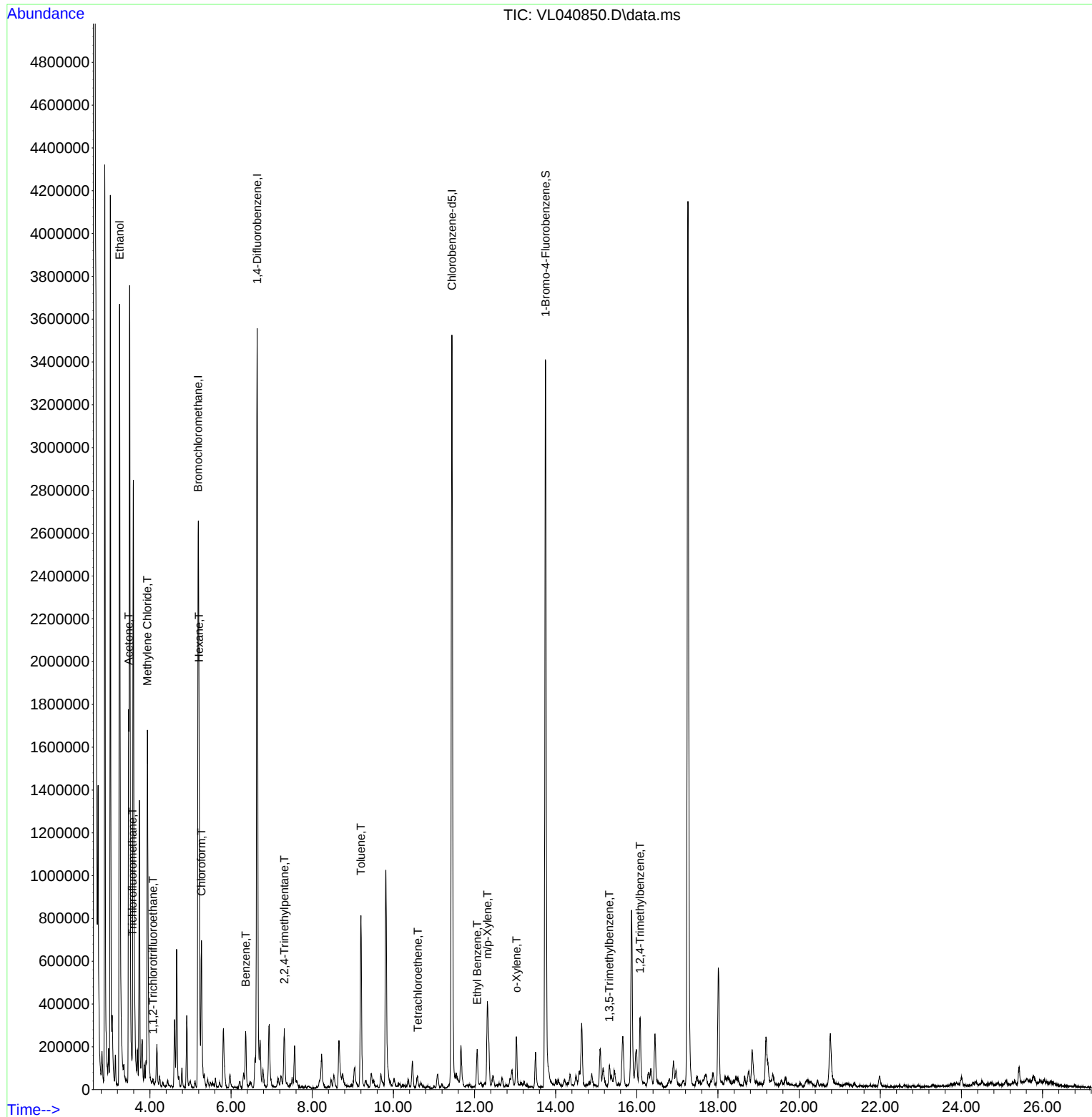
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111423\
Data File : VL040850.D
Acq On : 14 Nov 2023 14:37
Operator : SY/MD
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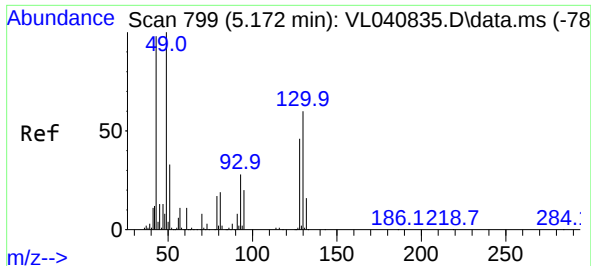
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Nov 15 15:30:53 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

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APPROVED

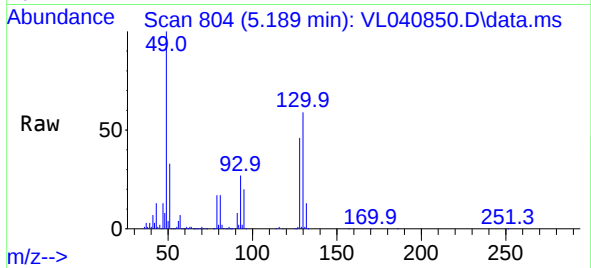
Reviewed By : Mahesh Dadoda 11/17/2023
Supervised By : Semsettin Yesilyurt 11/17/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 804
Delta R.T. 0.017 min
Lab File: VL040850.D
Acq: 14 Nov 2023 14:37

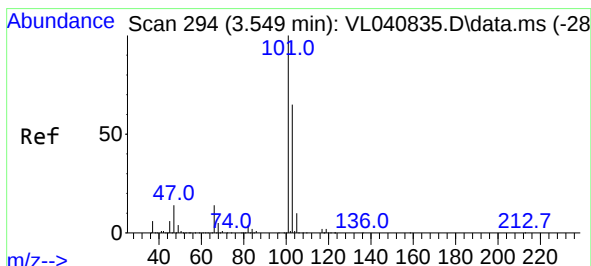
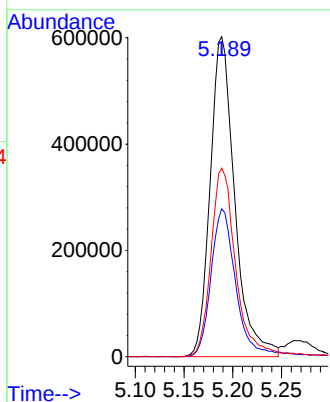
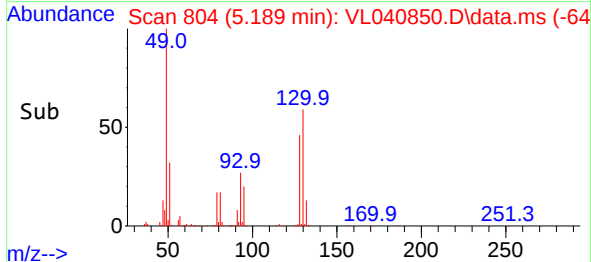
Instrument :
MSVOA_L
ClientSampleId :
IA1



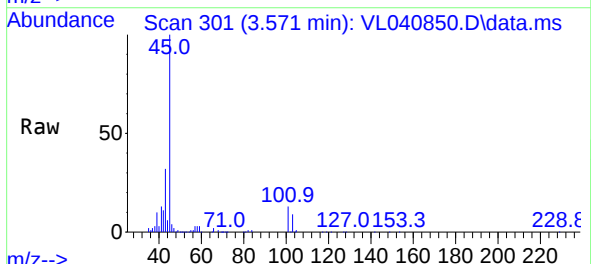
Tgt Ion: 49 Resp: 105637
Ion Ratio Lower Upper
49 100
128 47.4 23.8 71.2
130 60.8 30.9 92.8

Manual Integrations
APPROVED

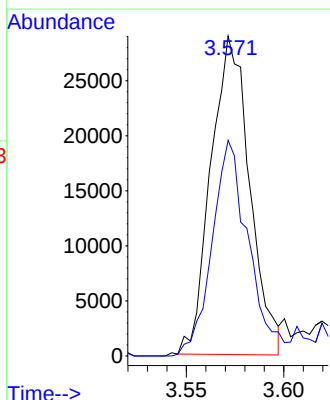
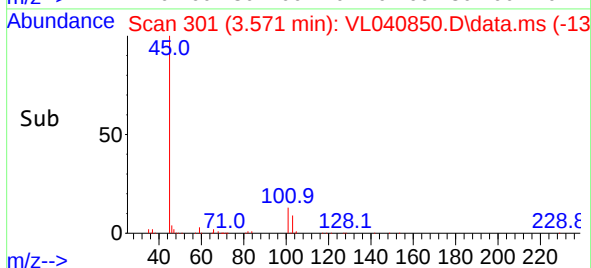
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023

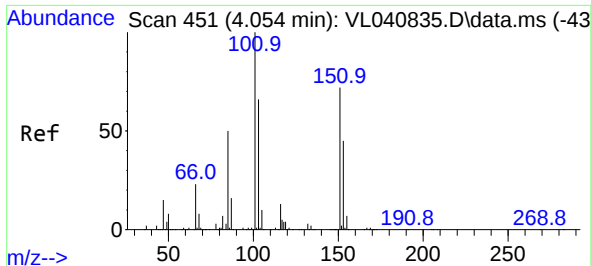


#11
Trichlorofluoromethane
Concen: 0.244 ppbv
RT: 3.571 min Scan# 301
Delta R.T. 0.023 min
Lab File: VL040850.D
Acq: 14 Nov 2023 14:37



Tgt Ion:101 Resp: 40133
Ion Ratio Lower Upper
101 100
103 67.2 51.8 77.8





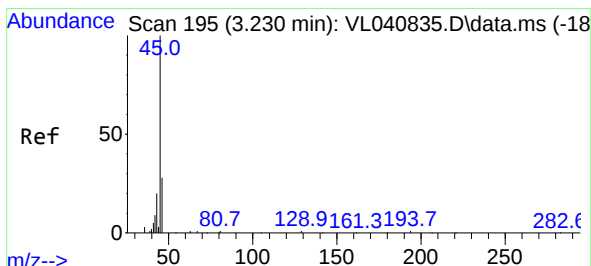
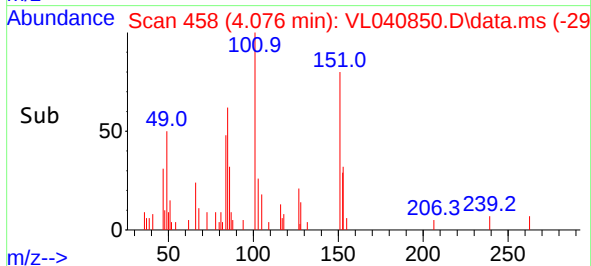
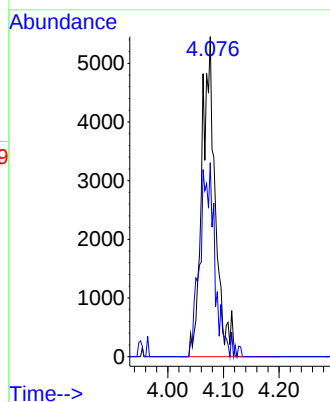
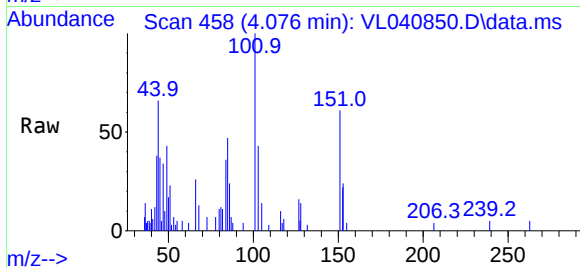
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.078 ppbv m
RT: 4.076 min Scan# 4
Delta R.T. 0.023 min
Lab File: VL040850.D
Acq: 14 Nov 2023 14:37

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:101 Resp: 9090
Ion Ratio Lower Upper
101 100
151 68.4 57.8 86.6

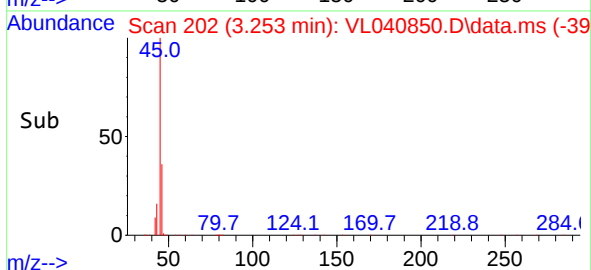
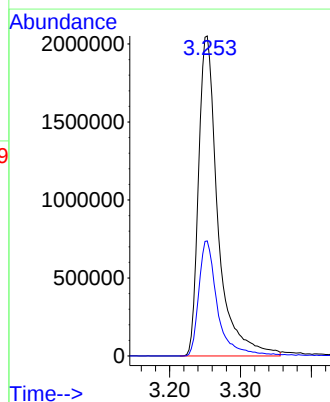
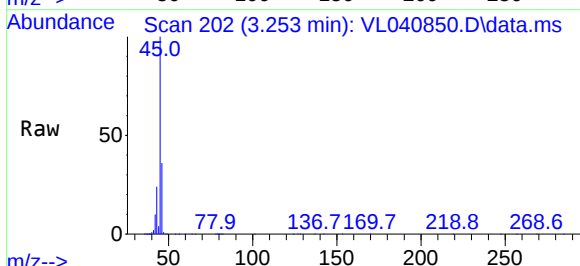
Manual Integrations
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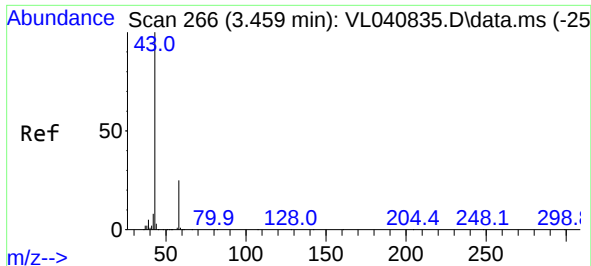
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023



#13
Ethanol
Concen: 351.998 ppbv
RT: 3.253 min Scan# 202
Delta R.T. 0.023 min
Lab File: VL040850.D
Acq: 14 Nov 2023 14:37

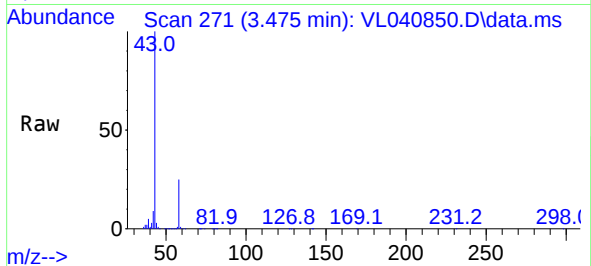
Tgt Ion: 45 Resp: 3885050
Ion Ratio Lower Upper
45 100
46 35.4 0.0 0.0#





#15
Acetone
Concen: 24.152 ppbv m
RT: 3.475 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL040850.D
Acq: 14 Nov 2023 14:37

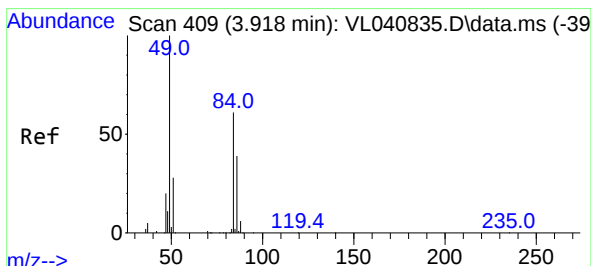
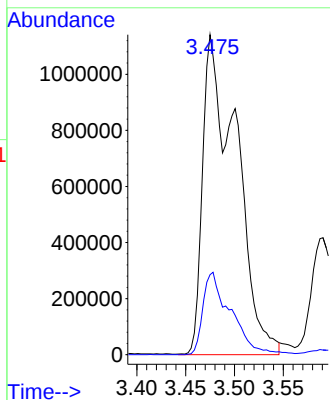
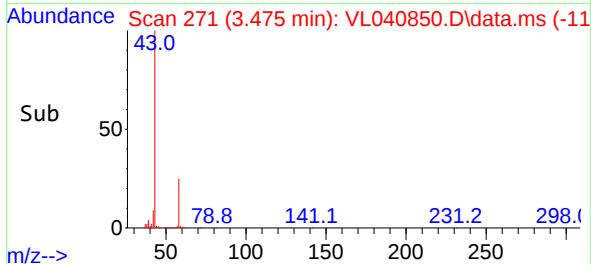
Instrument :
MSVOA_L
ClientSampleId :
IA1



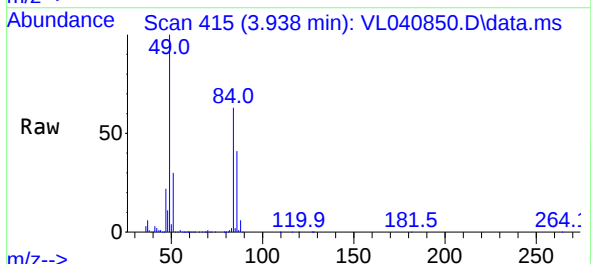
Tgt Ion: 43 Resp: 2717260
Ion Ratio Lower Upper
43 100
58 21.5 20.9 31.3

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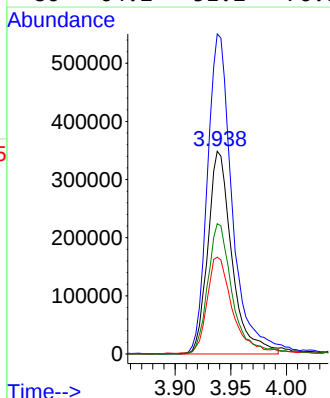
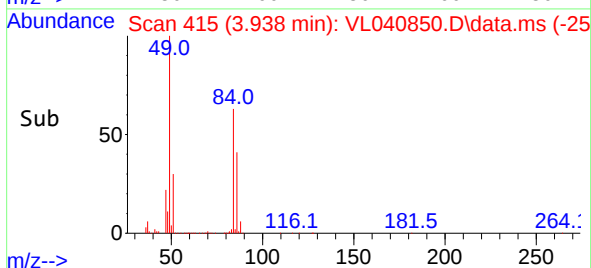
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023

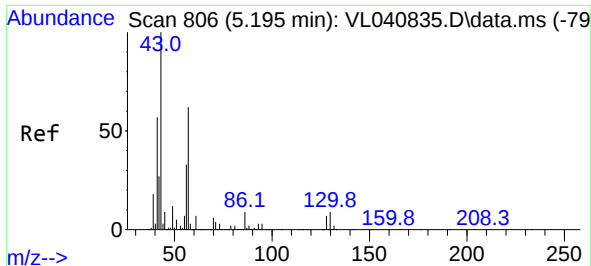


#20
Methylene Chloride
Concen: 11.307 ppbv
RT: 3.938 min Scan# 415
Delta R.T. 0.019 min
Lab File: VL040850.D
Acq: 14 Nov 2023 14:37



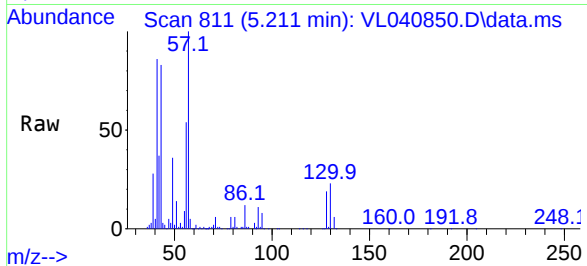
Tgt Ion: 84 Resp: 524977
Ion Ratio Lower Upper
84 100
49 157.7 131.0 196.4
51 47.5 36.9 55.3
86 64.2 51.2 76.8





#26
Hexane
Concen: 4.996 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.016 min
Lab File: VL040850.D
Acq: 14 Nov 2023 14:37

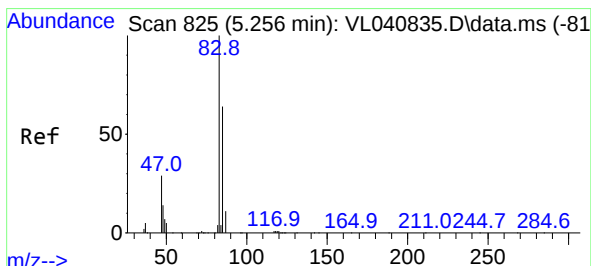
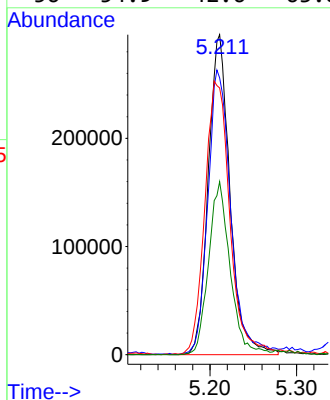
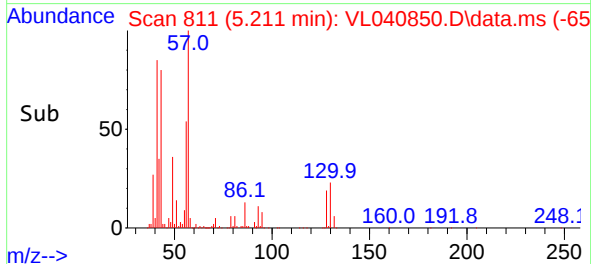
Instrument :
MSVOA_L
ClientSampleId :
IA1



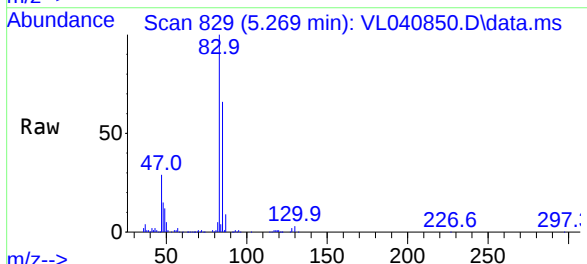
Tgt Ion: 57 Resp: 515137
Ion Ratio Lower Upper
57 100
41 93.5 75.4 113.0
43 99.7 185.9 278.9
56 54.9 42.6 63.8

Manual Integrations
APPROVED

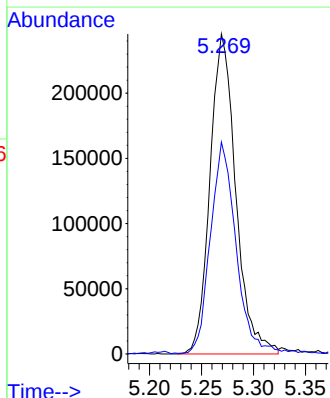
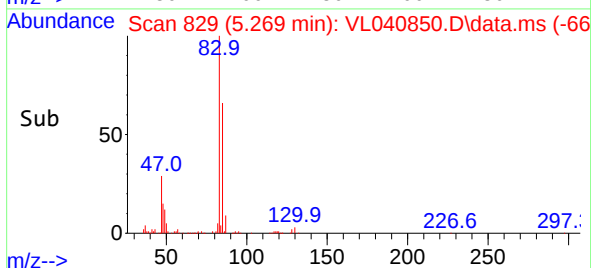
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023

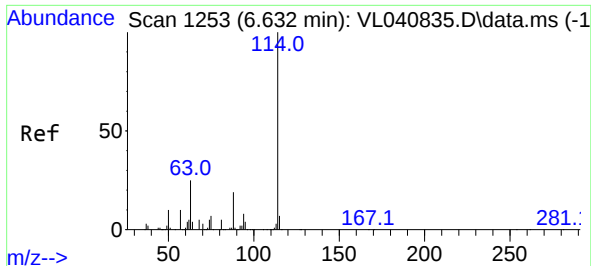


#29
Chloroform
Concen: 2.421 ppbv
RT: 5.269 min Scan# 829
Delta R.T. 0.013 min
Lab File: VL040850.D
Acq: 14 Nov 2023 14:37



Tgt Ion: 83 Resp: 423102
Ion Ratio Lower Upper
83 100
85 66.0 51.4 77.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 1168

Delta R.T. 0.010 min

Lab File: VL040850.D

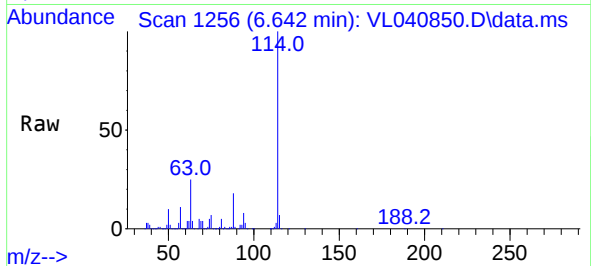
Acq: 14 Nov 2023 14:37

Instrument :

MSVOA_L

ClientSampleId :

IA1



Tgt Ion:114 Resp: 265398

Ion Ratio Lower Upper

114 100

63 25.7 20.9 31.3

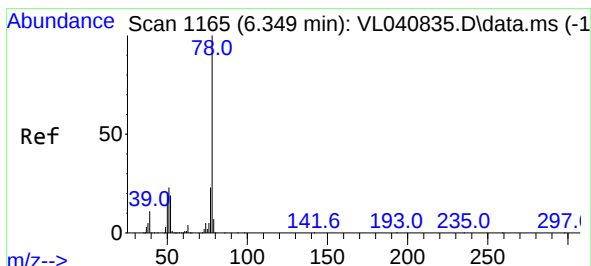
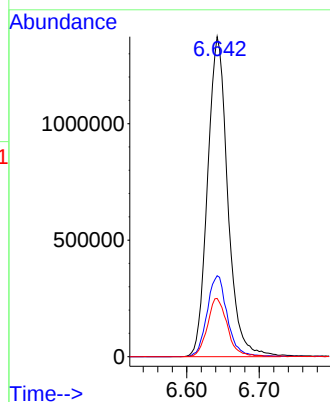
88 18.2 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/17/2023

Supervised By :Semsettin Yesilyurt 11/17/2023



#36

Benzene

Concen: 0.973 ppbv

RT: 6.359 min Scan# 1168

Delta R.T. 0.010 min

Lab File: VL040850.D

Acq: 14 Nov 2023 14:37

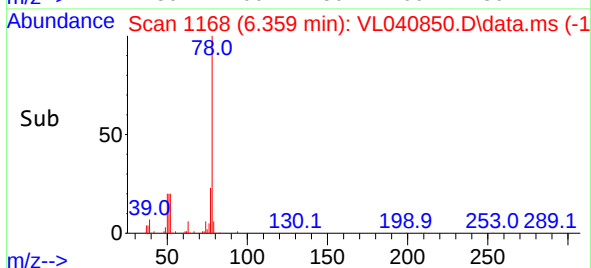
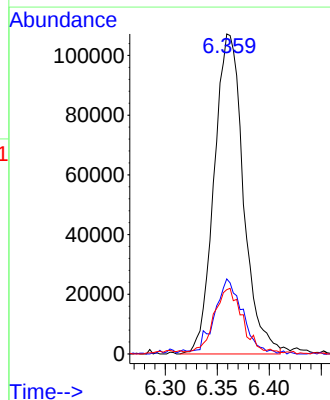
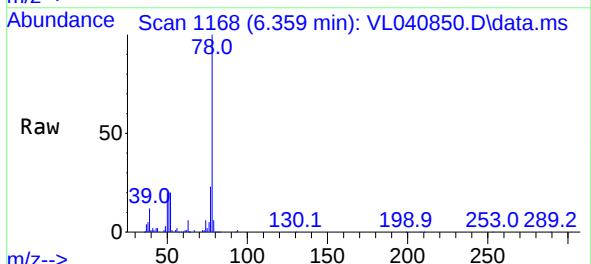
Tgt Ion: 78 Resp: 209508

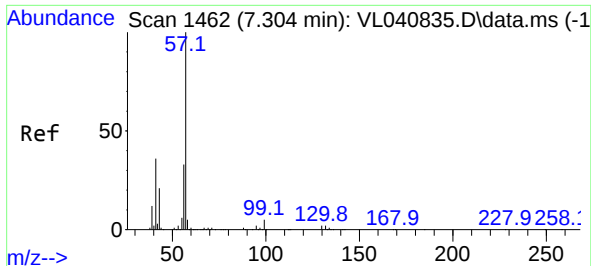
Ion Ratio Lower Upper

78 100

77 23.0 18.4 27.6

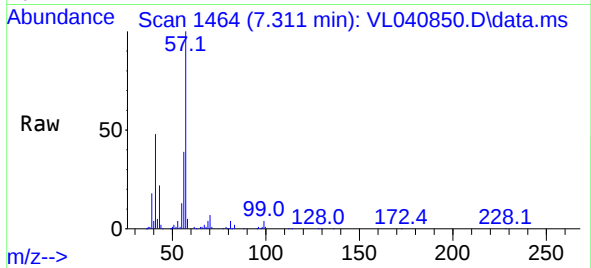
50 19.6 16.2 24.2





#44
2,2,4-Trimethylpentane
Concen: 0.591 ppbv
RT: 7.311 min Scan# 1464
Delta R.T. 0.007 min
Lab File: VL040850.D
Acq: 14 Nov 2023 14:37

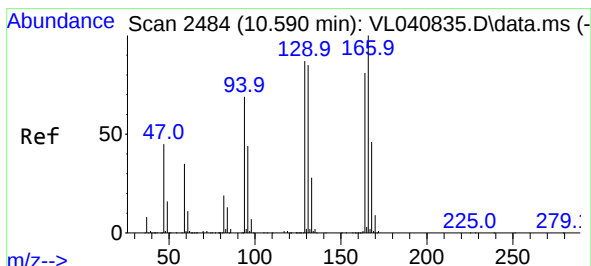
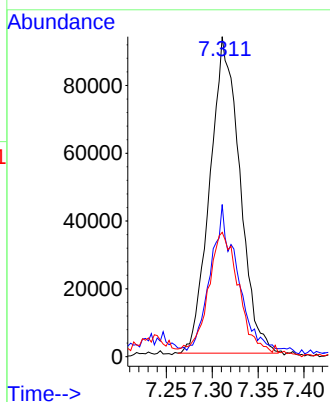
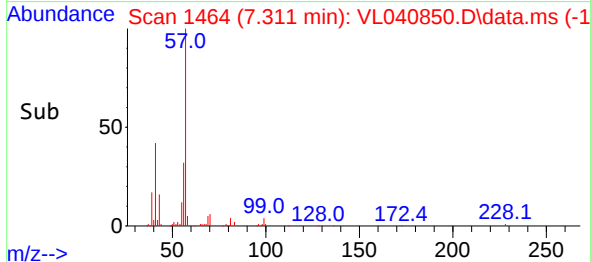
Instrument :
MSVOA_L
ClientSampleId :
IA1



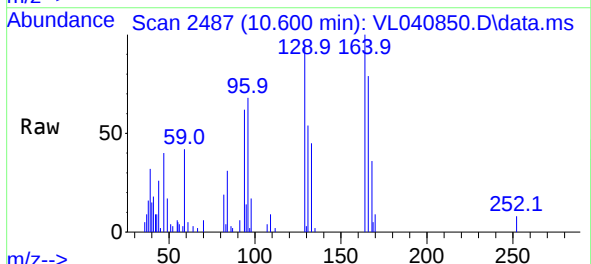
Tgt Ion: 57 Resp: 21138
Ion Ratio Lower Upper
57 100
41 47.0 29.0 43.6
56 42.7 25.2 37.8

Manual Integrations
APPROVED

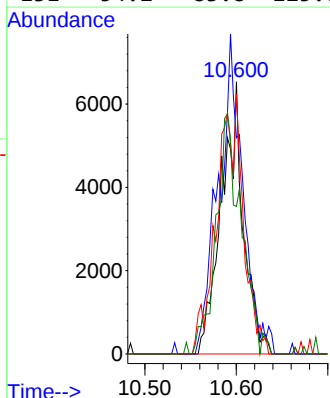
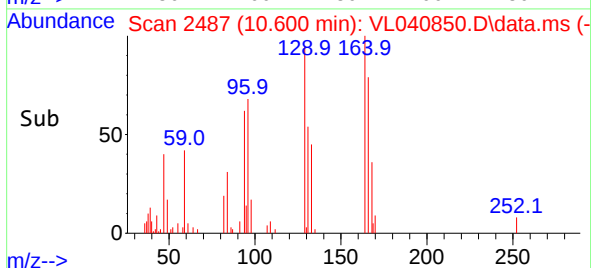
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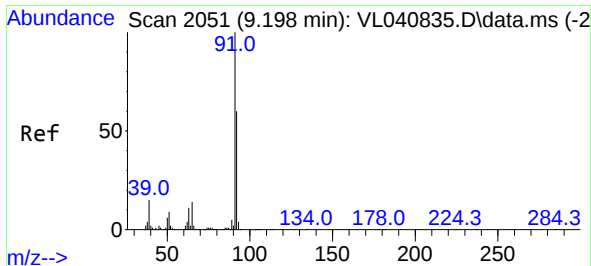


#52
Tetrachloroethene
Concen: 0.151 ppbv m
RT: 10.600 min Scan# 2487
Delta R.T. 0.010 min
Lab File: VL040850.D
Acq: 14 Nov 2023 14:37



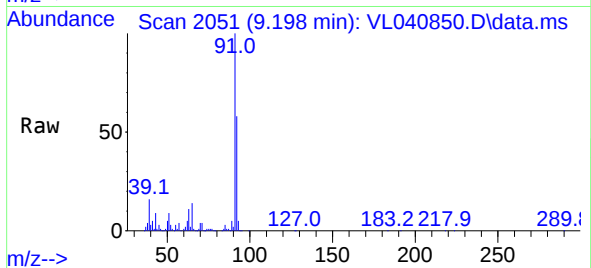
Tgt Ion:164 Resp: 10954
Ion Ratio Lower Upper
164 100
166 79.4 98.3 147.5
129 95.4 85.1 127.7
131 54.2 83.8 125.6





#53
Toluene
Concen: 2.422 ppbv
RT: 9.198 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VL040850.D
Acq: 14 Nov 2023 14:37

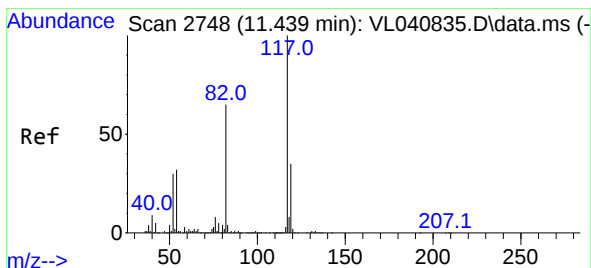
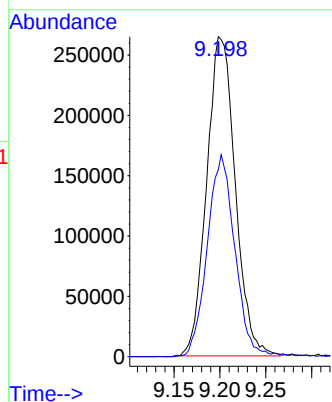
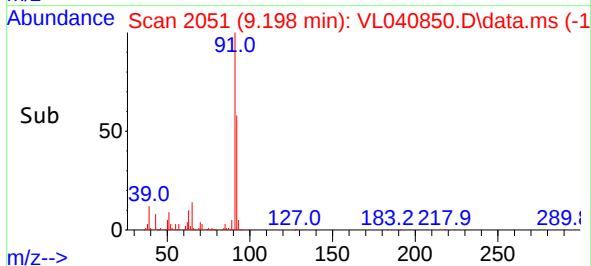
Instrument :
MSVOA_L
ClientSampleId :
IA1



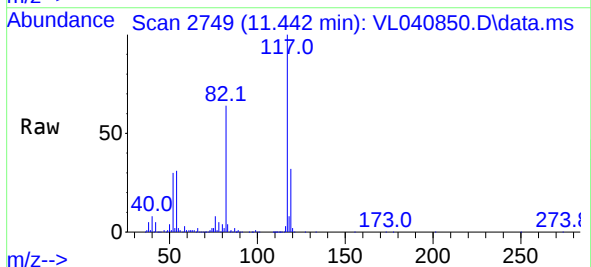
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Ion Ratio Lower Upper
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92 61.5 49.4 74.2

Manual Integrations
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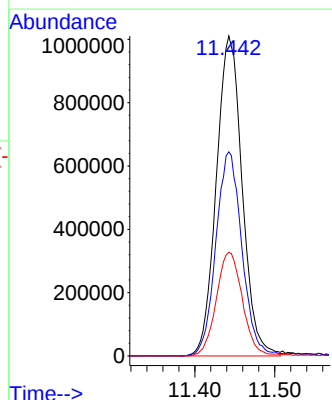
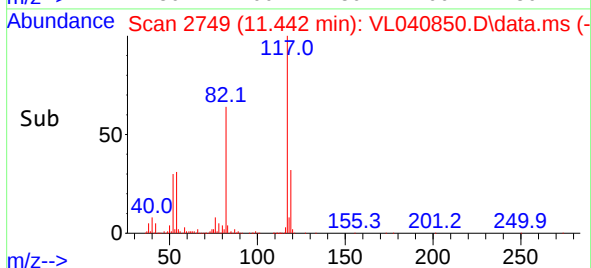
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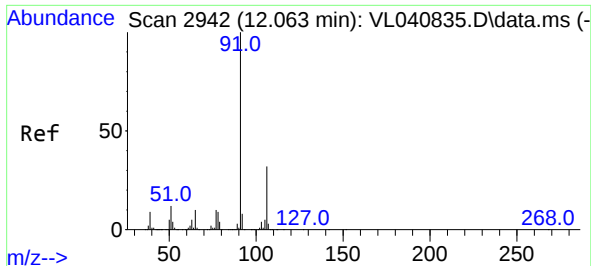


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 2749
Delta R.T. 0.003 min
Lab File: VL040850.D
Acq: 14 Nov 2023 14:37



Tgt Ion:117 Resp: 2267297
Ion Ratio Lower Upper
117 100
82 65.6 50.6 75.8
119 33.2 23.3 34.9





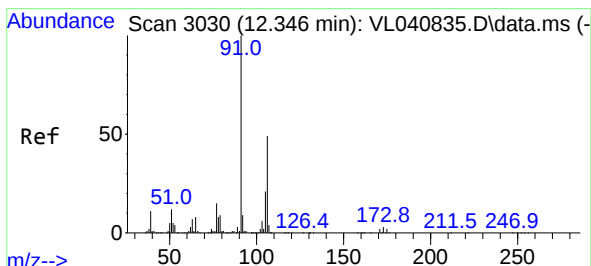
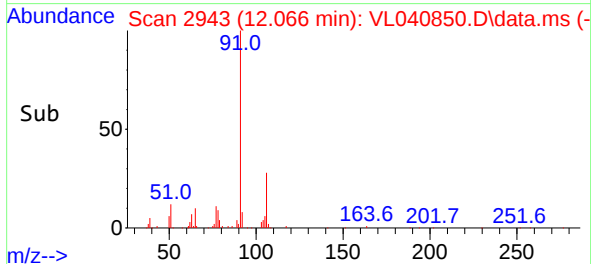
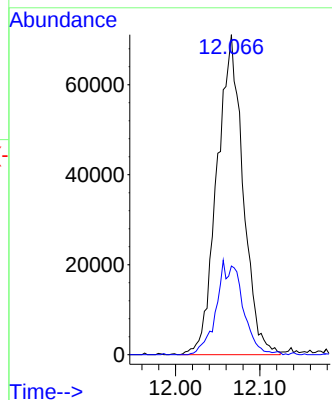
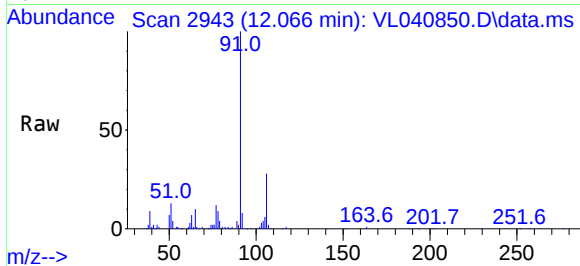
#58
Ethyl Benzene
Concen: 0.517 ppbv
RT: 12.066 min Scan# 2942
Delta R.T. 0.003 min
Lab File: VL040850.D
Acq: 14 Nov 2023 14:37

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 15304
Ion Ratio Lower Upper
91 100
106 27.7 25.2 37.8

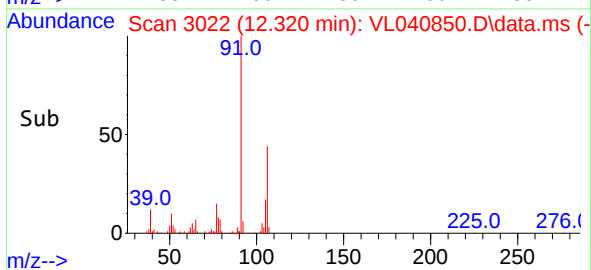
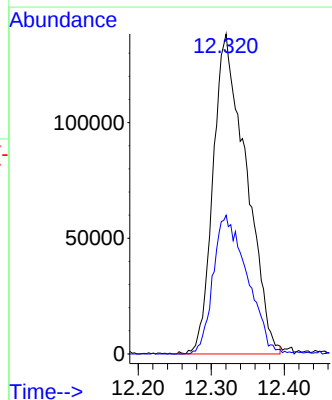
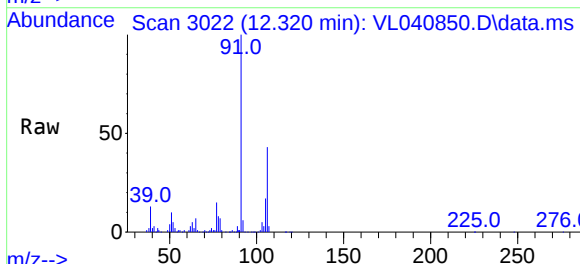
Manual Integrations
APPROVED

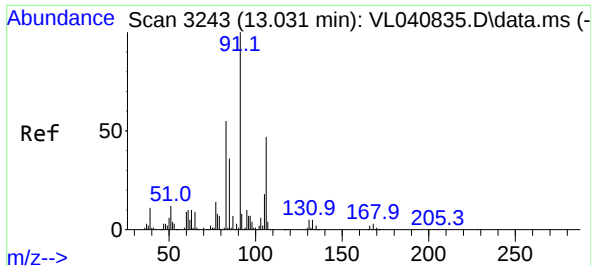
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023



#59
m/p-Xylene
Concen: 1.729 ppbv m
RT: 12.320 min Scan# 3022
Delta R.T. -0.026 min
Lab File: VL040850.D
Acq: 14 Nov 2023 14:37

Tgt Ion: 91 Resp: 435622
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.0#





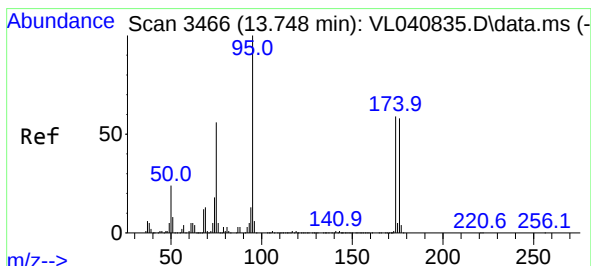
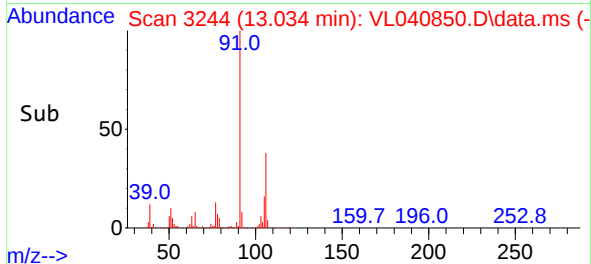
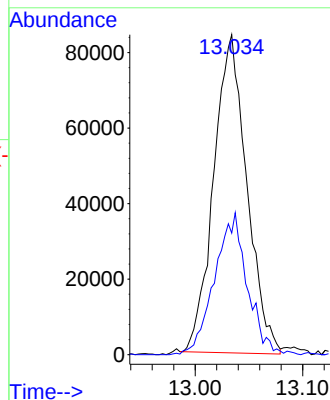
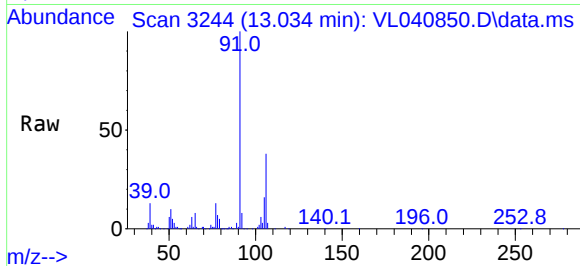
#60
o-Xylene
Concen: 0.752 ppbv
RT: 13.034 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040850.D
Acq: 14 Nov 2023 14:37

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 180409
Ion Ratio Lower Upper
91 100
106 44.2 22.9 68.5

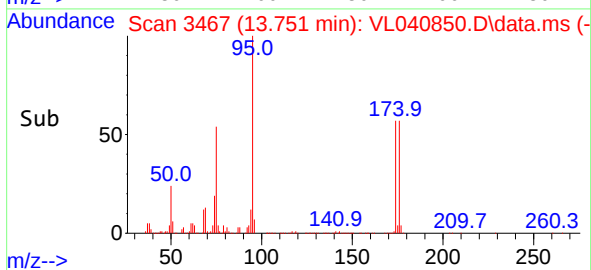
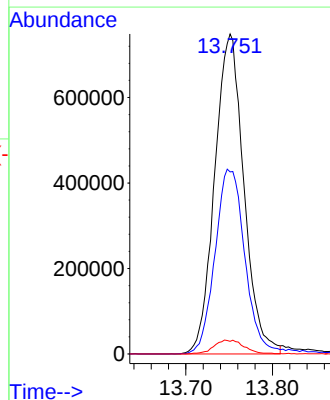
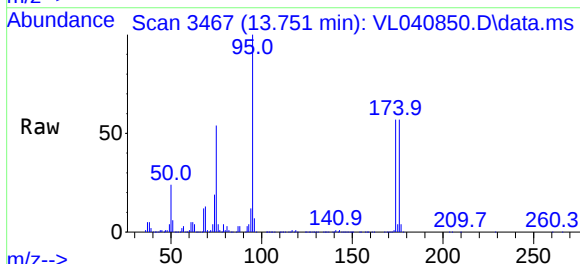
Manual Integrations
APPROVED

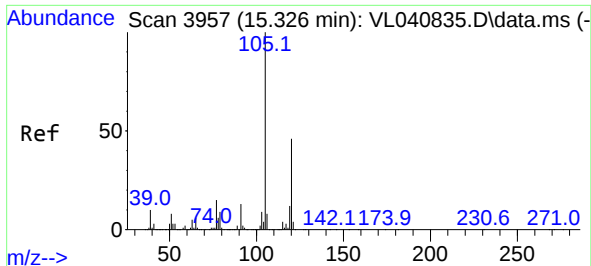
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.867 ppbv
RT: 13.751 min Scan# 3467
Delta R.T. 0.003 min
Lab File: VL040850.D
Acq: 14 Nov 2023 14:37

Tgt Ion: 95 Resp: 1751483
Ion Ratio Lower Upper
95 100
174 60.7 47.5 71.3
175 4.6 3.6 5.4





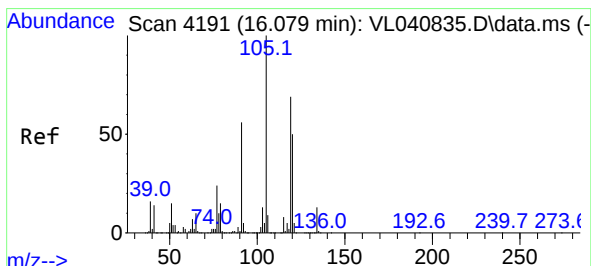
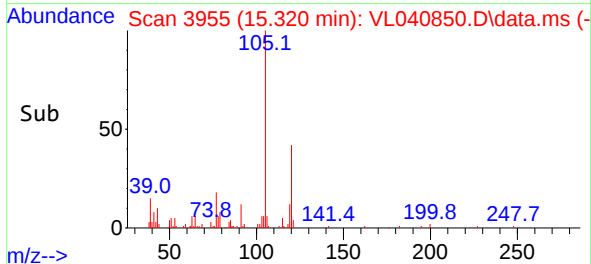
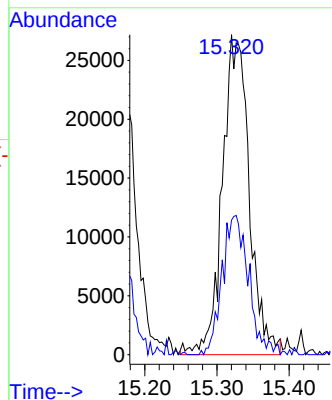
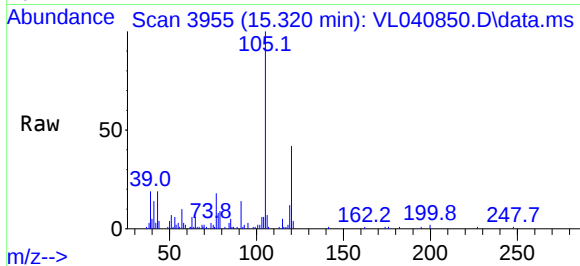
#73
1,3,5-Trimethylbenzene
Concen: 0.301 ppbv m
RT: 15.320 min Scan# 3955
Delta R.T. -0.006 min
Lab File: VL040850.D
Acq: 14 Nov 2023 14:37

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:105 Resp: 70250
Ion Ratio Lower Upper
105 100
120 42.1 36.8 55.2

Manual Integrations
APPROVED

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



#74
1,2,4-Trimethylbenzene
Concen: 0.962 ppbv
RT: 16.079 min Scan# 4191
Delta R.T. 0.000 min
Lab File: VL040850.D
Acq: 14 Nov 2023 14:37

Tgt Ion:105 Resp: 250243
Ion Ratio Lower Upper
105 100
120 41.3 40.2 60.2
91 9.4 45.7 68.5#
77 13.0 19.2 28.8#

