

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111423\
 Data File : VL040860.D
 Acq On : 14 Nov 2023 21:11
 Operator : SY/MD
 Sample : 05275-07
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NT-IA-7

Manual Integrations
 APPROVED

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

Quant Time: Nov 16 04:51:50 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	1020207	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.639	114	2642849	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	2259130	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.745	95	1726296	9.760	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.600%
Target Compounds						
					Qvalue	
11) Trichlorofluoromethane	3.578	101	30814	0.194	ppbv	94
13) Ethanol	3.256	45	956201	89.706	ppbv #	100
20) Methylene Chloride	3.944	84	219563	4.896	ppbv	95
26) Hexane	5.214	57	471252	4.733	ppbv #	42
35) Carbon Tetrachloride	6.478	117	10111m	0.062	ppbv	
36) Benzene	6.362	78	241402	1.125	ppbv #	89
38) Trichloroethene	7.275	130	20322m	0.244	ppbv	
44) 2,2,4-Trimethylpentane	7.311	57	257578	0.723	ppbv #	86
53) Toluene	9.198	91	557897	2.364	ppbv	98
58) Ethyl Benzene	12.060	91	108098	0.367	ppbv #	88
59) m/p-Xylene	12.317	91	284811m	1.135	ppbv	
60) o-Xylene	13.031	91	100509	0.421	ppbv	99
74) 1,2,4-Trimethylbenzene	16.076	105	96950m	0.374	ppbv	

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

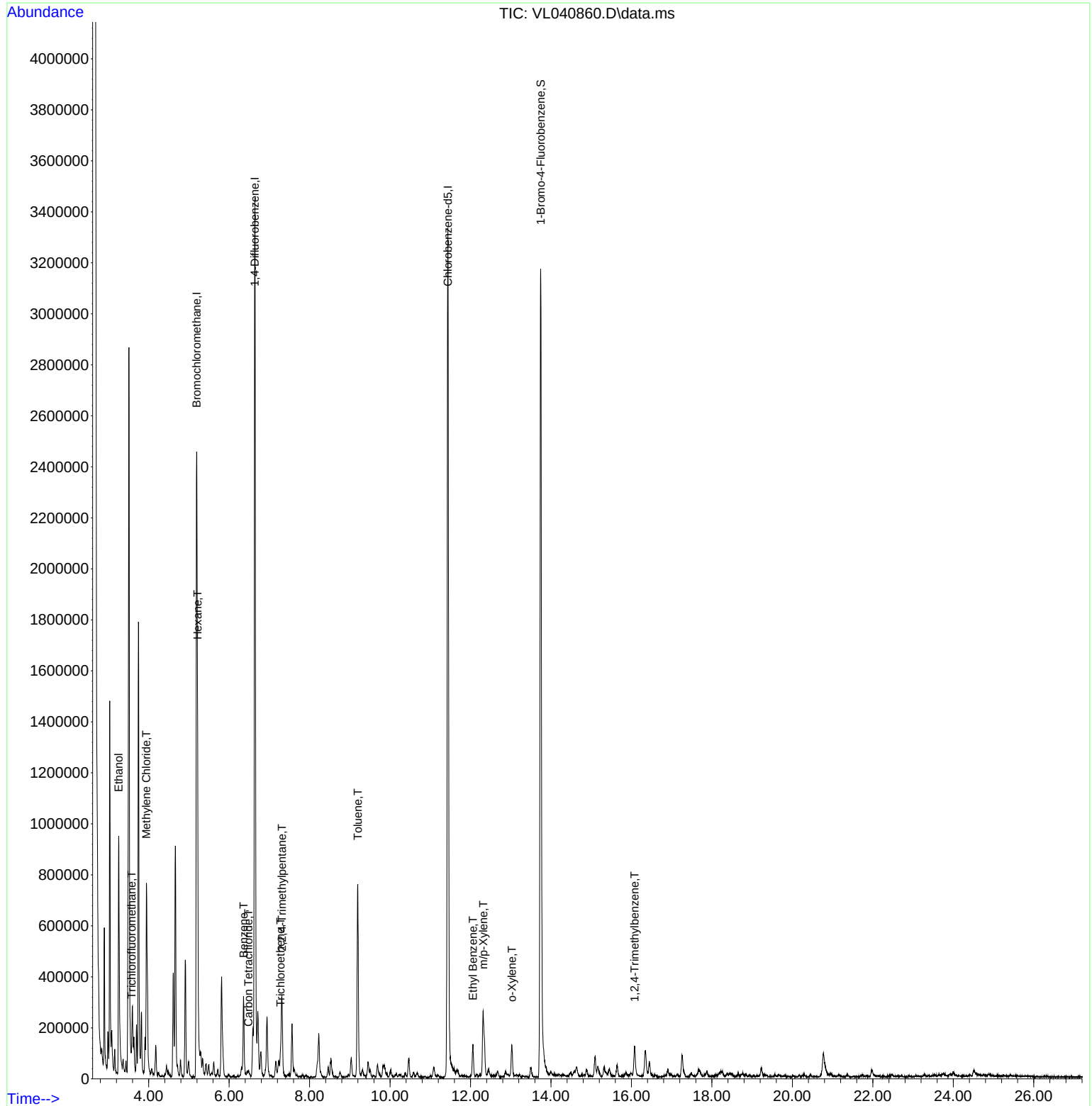
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111423\
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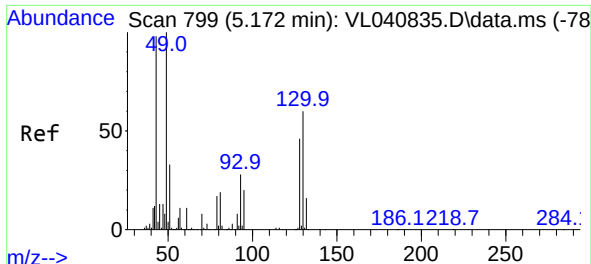
Instrument :
MSVOA_L
ClientSampleId :
NT-IA-7

Quant Time: Nov 16 04:51:50 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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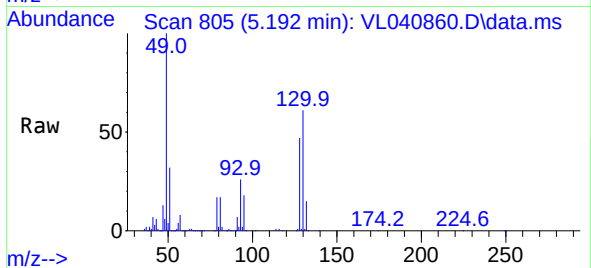
Reviewed By : Mahesh Dadoda 11/17/2023
Supervised By : Semsettin Yesilyurt 11/17/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.020 min
Lab File: VL040860.D
Acq: 14 Nov 2023 21:11

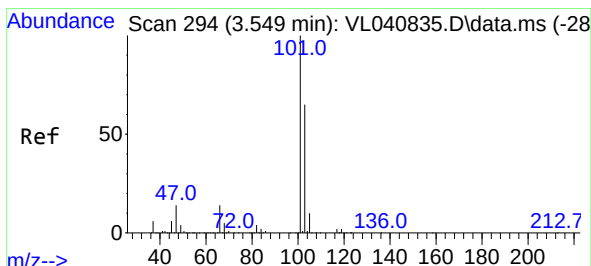
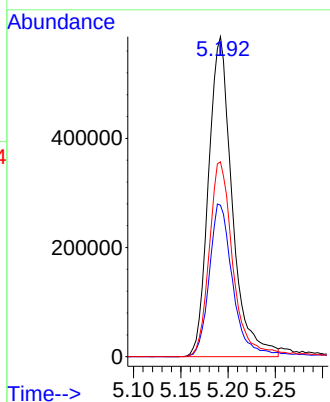
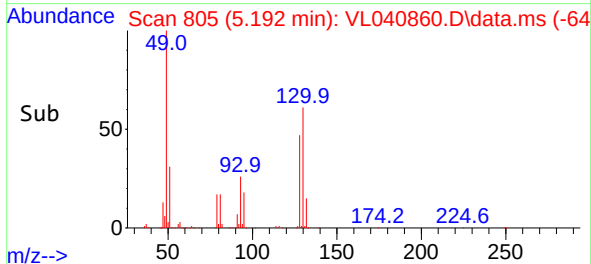
Instrument :
MSVOA_L
ClientSampleId :
NT-IA-7



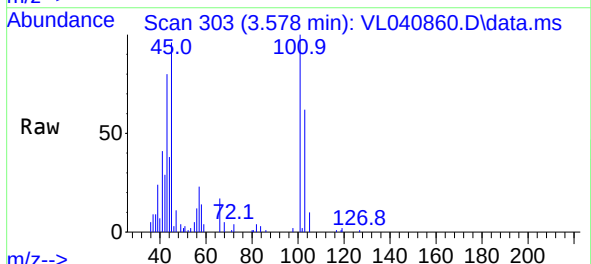
Tgt Ion: 49 Resp: 102020
Ion Ratio Lower Upper
49 100
128 49.0 23.8 71.2
130 62.4 30.9 92.8

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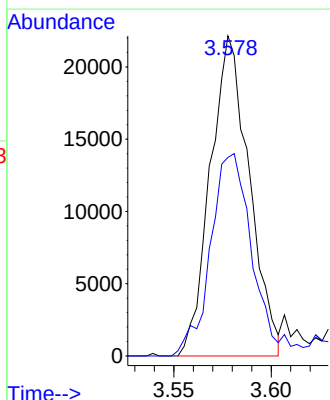
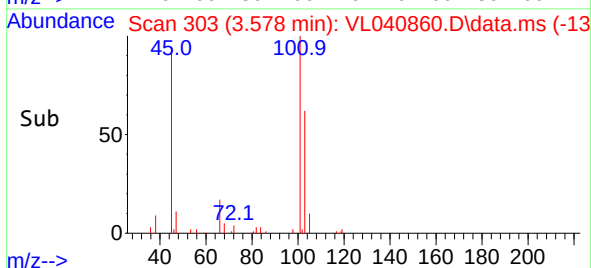
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023

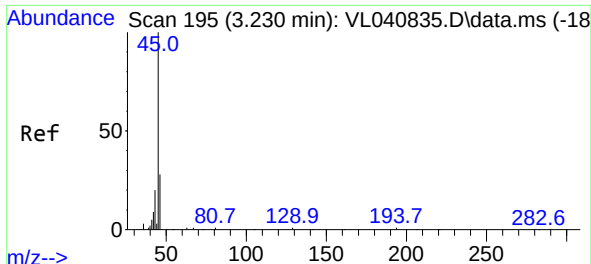


#11
Trichlorofluoromethane
Concen: 0.194 ppbv
RT: 3.578 min Scan# 303
Delta R.T. 0.029 min
Lab File: VL040860.D
Acq: 14 Nov 2023 21:11



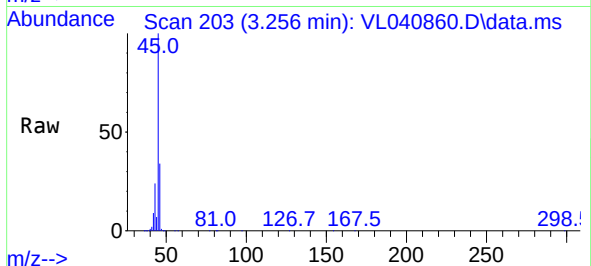
Tgt Ion:101 Resp: 30814
Ion Ratio Lower Upper
101 100
103 60.4 51.8 77.8





#13
Ethanol
Concen: 89.706 ppbv
RT: 3.256 min Scan# 203
Delta R.T. 0.026 min
Lab File: VL040860.D
Acq: 14 Nov 2023 21:11

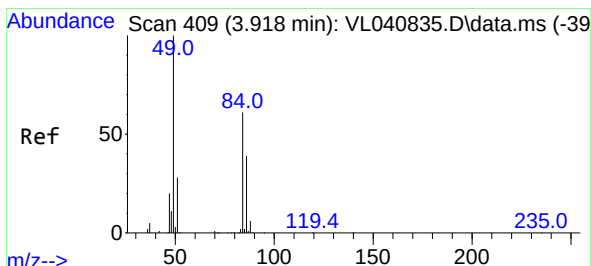
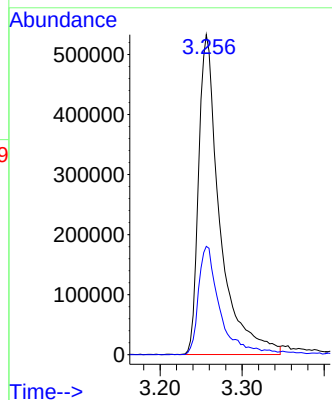
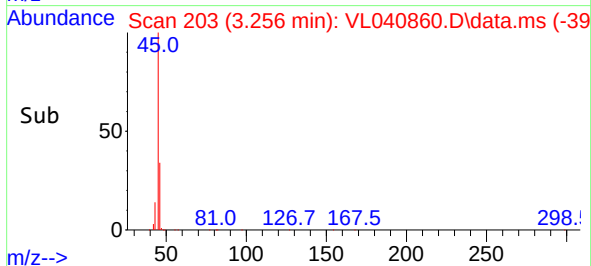
Instrument :
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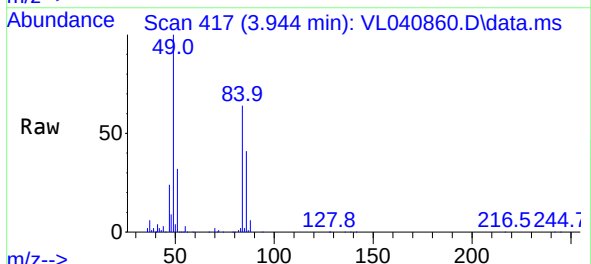
Tgt Ion: 45 Resp: 95620
Ion Ratio Lower Upper
45 100
46 35.5 0.0 0.0

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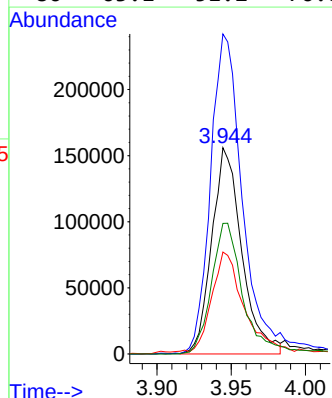
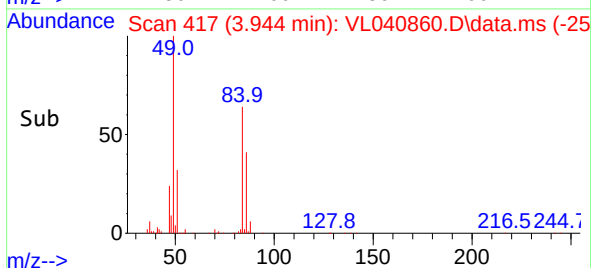
Reviewed By :Mahesh Dadoda 11/17/2023
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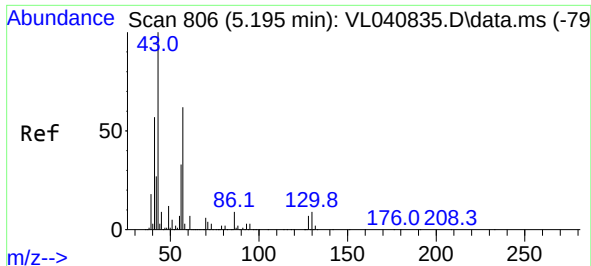


#20
Methylene Chloride
Concen: 4.896 ppbv
RT: 3.944 min Scan# 417
Delta R.T. 0.026 min
Lab File: VL040860.D
Acq: 14 Nov 2023 21:11



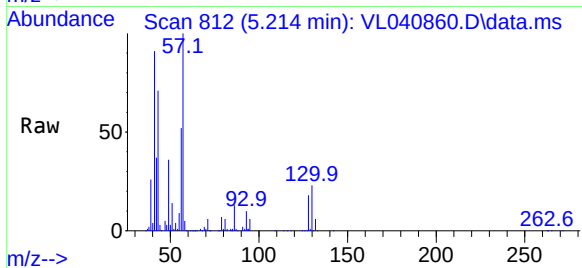
Tgt Ion: 84 Resp: 219563
Ion Ratio Lower Upper
84 100
49 154.9 131.0 196.4
51 48.2 36.9 55.3
86 63.1 51.2 76.8





#26
Hexane
Concen: 4.733 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.019 min
Lab File: VL040860.D
Acq: 14 Nov 2023 21:11

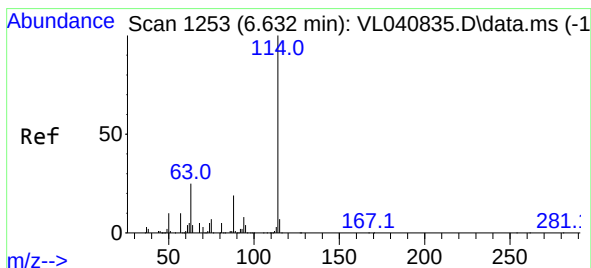
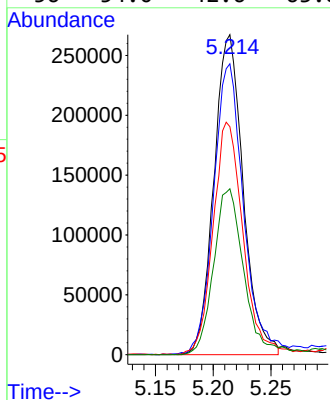
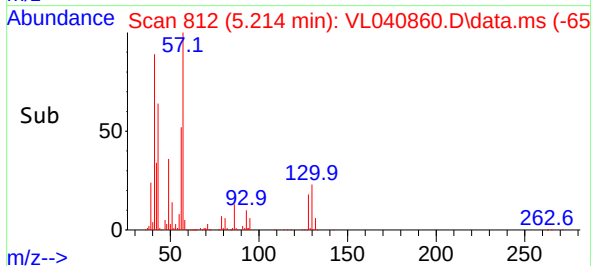
Instrument :
MSVOA_L
ClientSampleId :
NT-IA-7



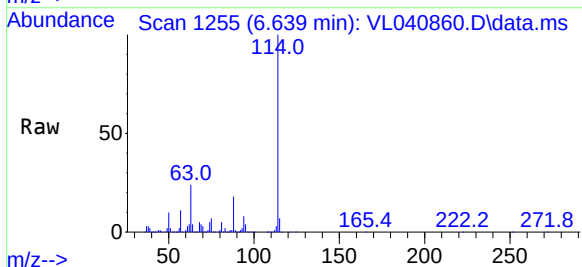
Tgt Ion: 57 Resp: 471252
Ion Ratio Lower Upper
57 100
41 95.0 75.4 113.0
43 76.9 185.9 278.9
56 54.0 42.6 63.8

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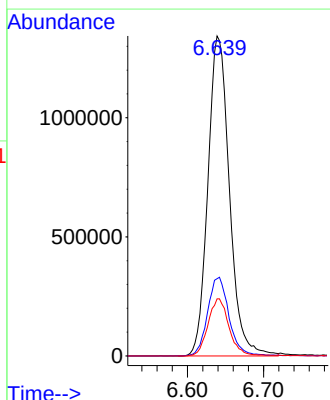
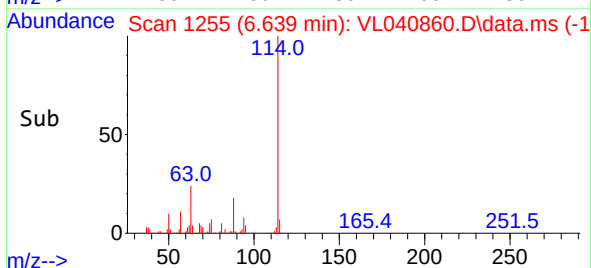
Reviewed By :Mahesh Dadoda 11/17/2023
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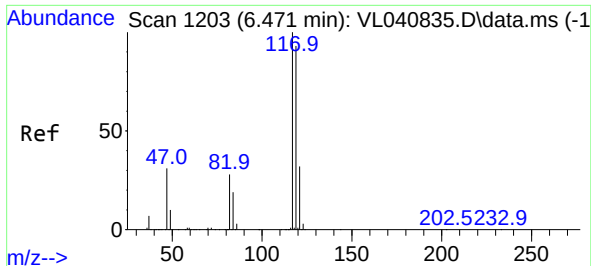


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. 0.007 min
Lab File: VL040860.D
Acq: 14 Nov 2023 21:11



Tgt Ion:114 Resp: 2642849
Ion Ratio Lower Upper
114 100
63 24.7 20.9 31.3
88 17.7 14.3 21.5





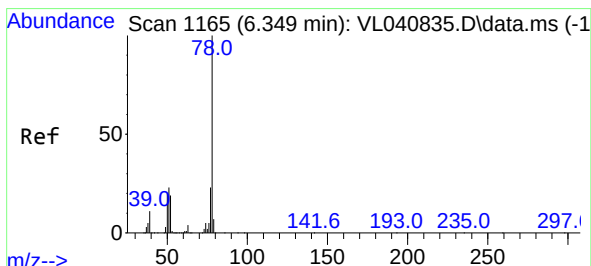
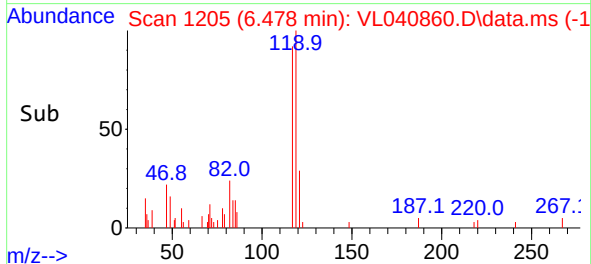
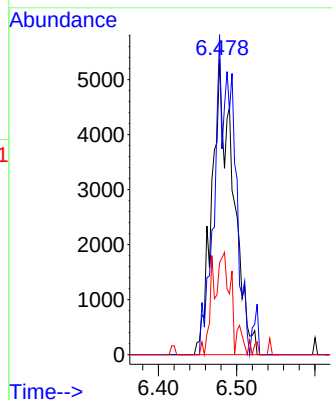
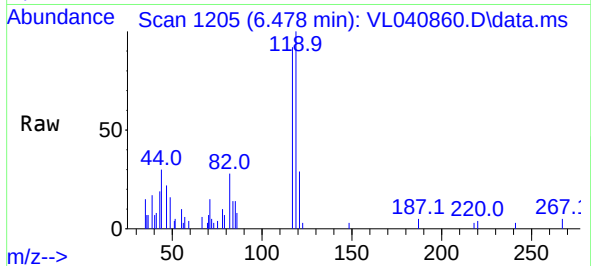
#35
Carbon Tetrachloride
Concen: 0.062 ppbv m
RT: 6.478 min Scan# 1117
Delta R.T. 0.007 min
Lab File: VL040860.D
Acq: 14 Nov 2023 21:11

Instrument :
MSVOA_L
ClientSampleId :
NT-IA-7

Tgt Ion:117 Resp: 1011
Ion Ratio Lower Upper
117 100
119 108.4 74.7 112.1
121 31.1 25.5 38.3

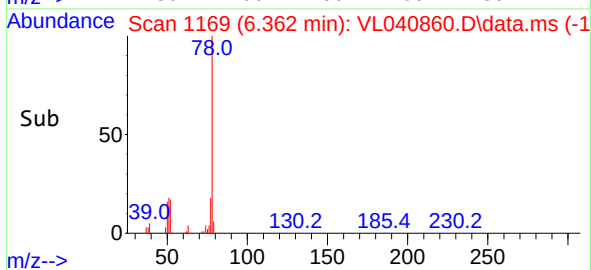
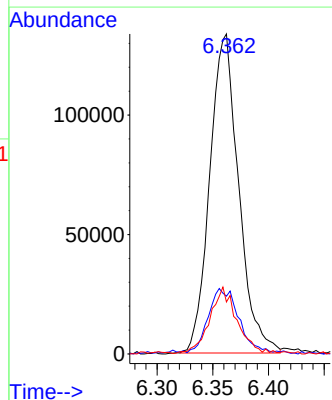
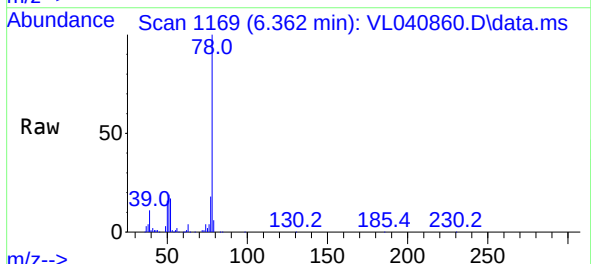
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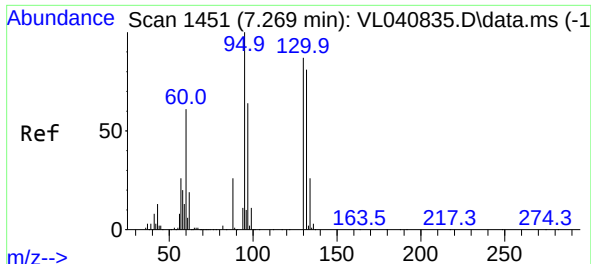
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023



#36
Benzene
Concen: 1.125 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. 0.013 min
Lab File: VL040860.D
Acq: 14 Nov 2023 21:11

Tgt Ion: 78 Resp: 241402
Ion Ratio Lower Upper
78 100
77 17.5 18.4 27.6#
50 15.8 16.2 24.2#





#38

Trichloroethene

Concen: 0.244 ppbv

RT: 7.275 min Scan# 1451

Delta R.T. 0.007 min

Lab File: VL040860.D

Acq: 14 Nov 2023 21:11

Instrument :

MSVOA_L

ClientSampleId :

NT-IA-7

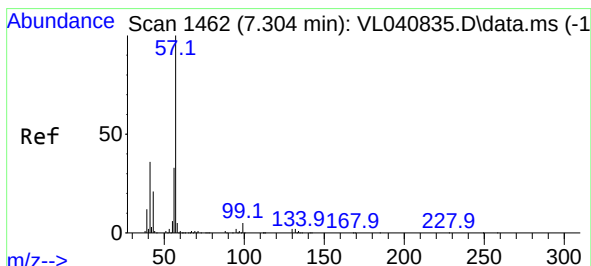
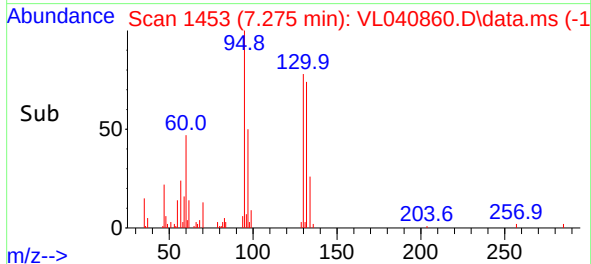
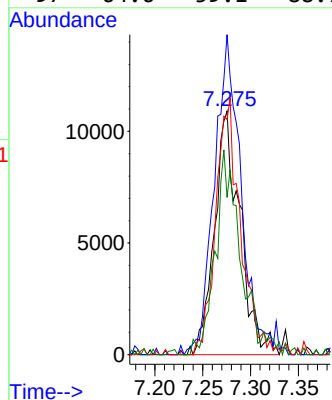
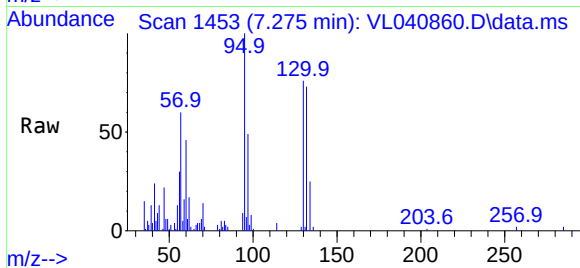
Tgt Ion:130 Resp: 2032

Ion	Ratio	Lower	Upper
130	100		
95	131.4	92.4	138.6
132	96.6	75.1	112.7
97	64.6	59.1	88.7

Manual Integrations

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



#44

2,2,4-Trimethylpentane

Concen: 0.723 ppbv

RT: 7.311 min Scan# 1464

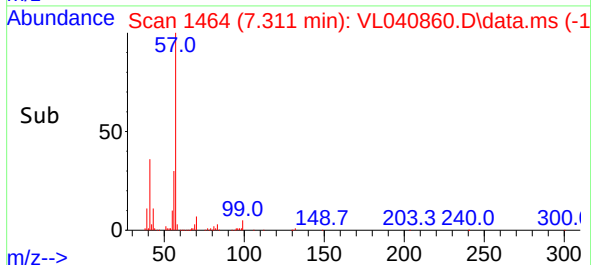
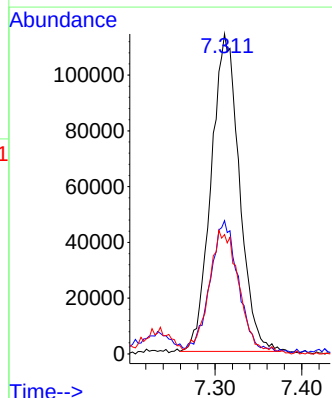
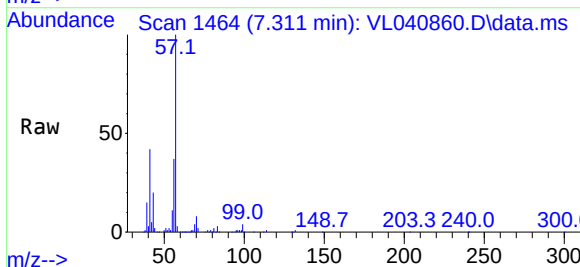
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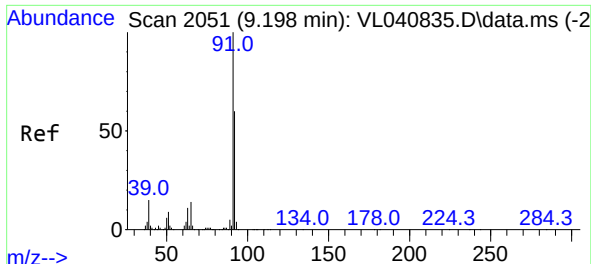
Lab File: VL040860.D

Acq: 14 Nov 2023 21:11

Tgt Ion: 57 Resp: 257578

Ion	Ratio	Lower	Upper
57	100		
41	41.5	29.0	43.6
56	42.4	25.2	37.8





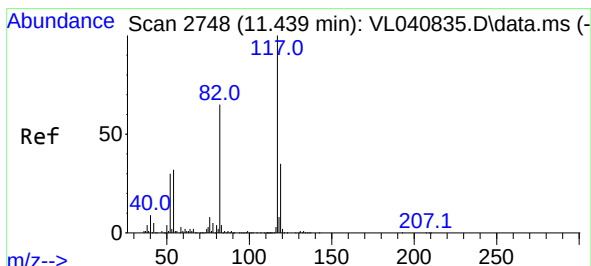
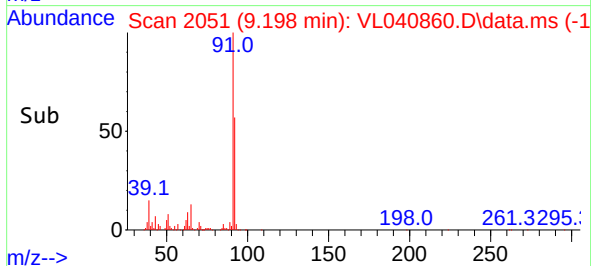
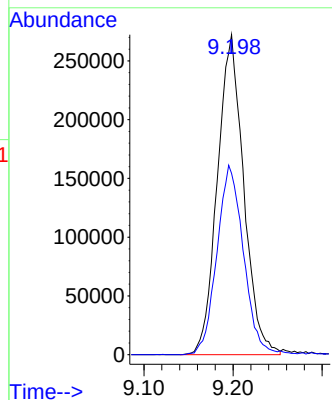
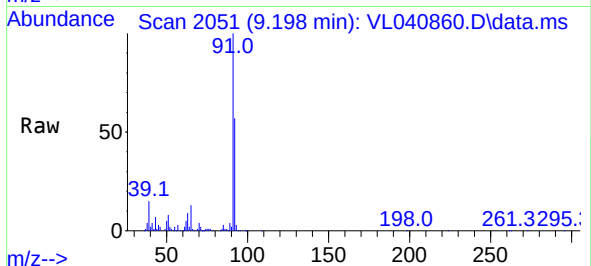
#53
Toluene
Concen: 2.364 ppbv
RT: 9.198 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VL040860.D
Acq: 14 Nov 2023 21:11

Instrument :
MSVOA_L
ClientSampleId :
NT-IA-7

Tgt Ion: 91 Resp: 55789
Ion Ratio Lower Upper
91 100
92 60.5 49.4 74.2

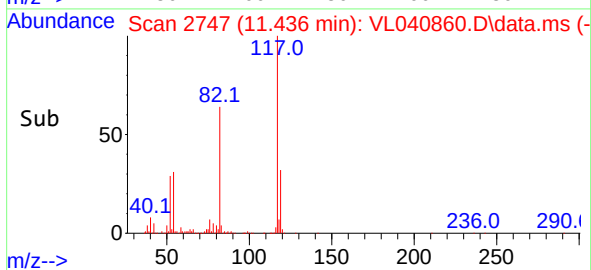
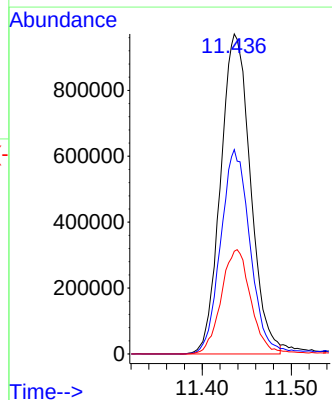
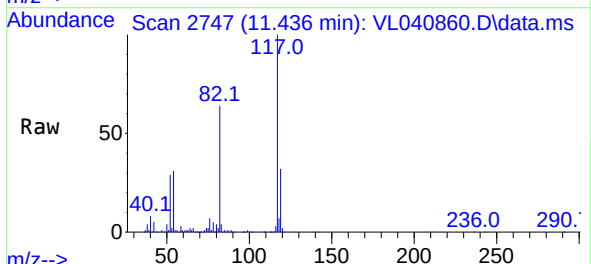
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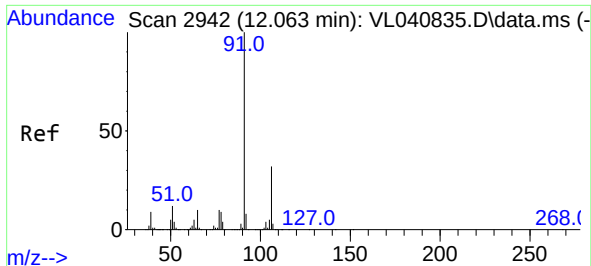
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.436 min Scan# 2747
Delta R.T. -0.003 min
Lab File: VL040860.D
Acq: 14 Nov 2023 21:11

Tgt Ion:117 Resp: 2259130
Ion Ratio Lower Upper
117 100
82 64.4 50.6 75.8
119 32.9 23.3 34.9





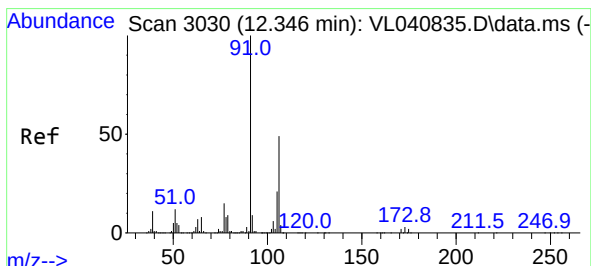
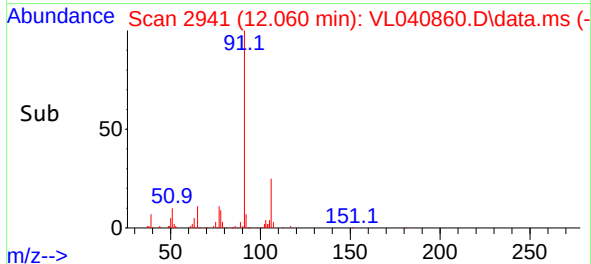
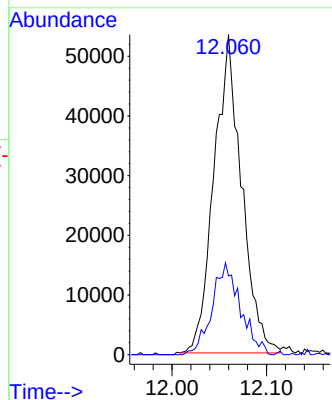
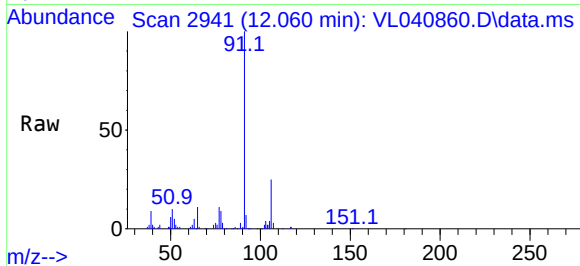
#58
Ethyl Benzene
Concen: 0.367 ppbv
RT: 12.060 min Scan# 2942
Delta R.T. -0.003 min
Lab File: VL040860.D
Acq: 14 Nov 2023 21:11

Instrument :
MSVOA_L
ClientSampleId :
NT-IA-7

Tgt Ion: 91 Resp: 108098
Ion Ratio Lower Upper
91 100
106 24.8 25.2 37.8

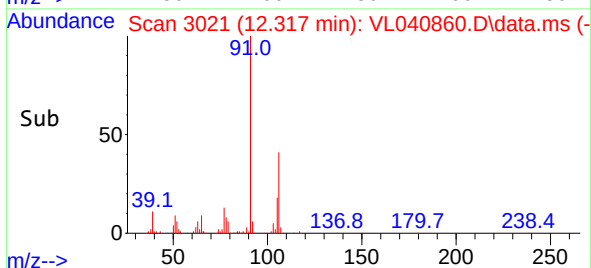
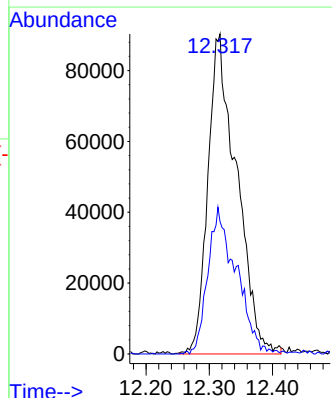
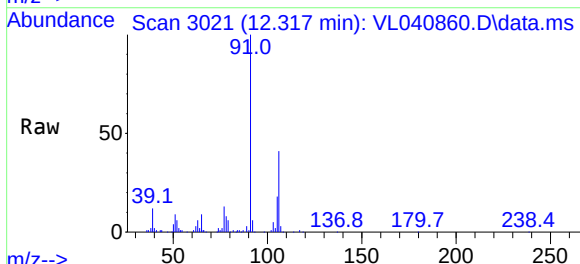
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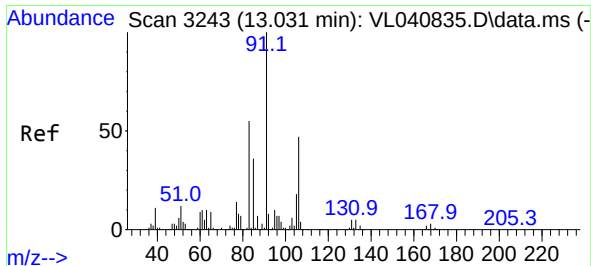
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023



#59
m/p-Xylene
Concen: 1.135 ppbv m
RT: 12.317 min Scan# 3021
Delta R.T. -0.029 min
Lab File: VL040860.D
Acq: 14 Nov 2023 21:11

Tgt Ion: 91 Resp: 284811
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.0





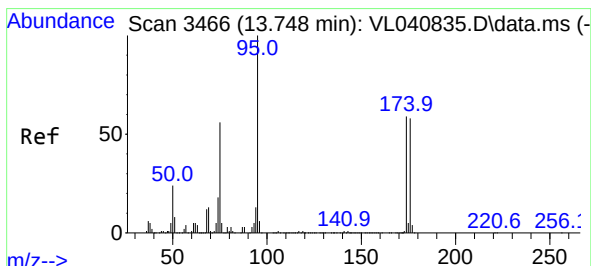
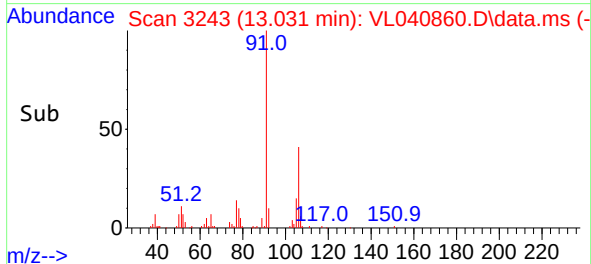
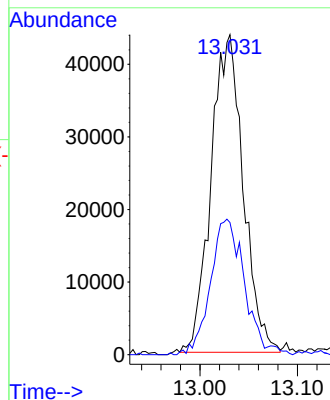
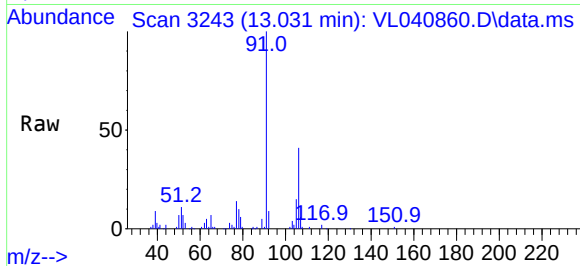
#60
o-Xylene
Concen: 0.421 ppbv
RT: 13.031 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040860.D
Acq: 14 Nov 2023 21:11

Instrument :
MSVOA_L
ClientSampleId :
NT-IA-7

Tgt Ion: 91 Resp: 100509
Ion Ratio Lower Upper
91 100
106 45.1 22.9 68.5

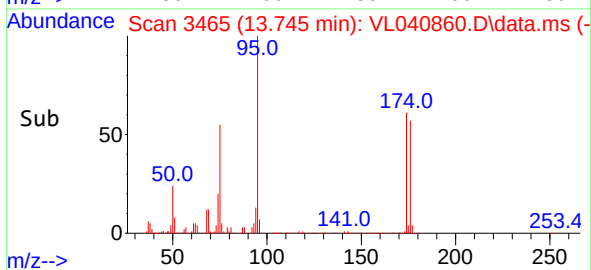
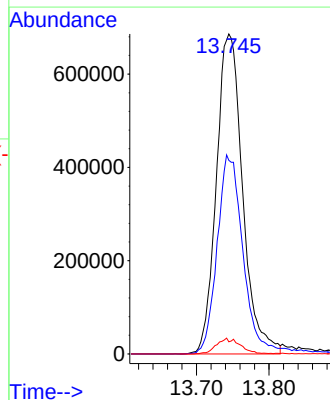
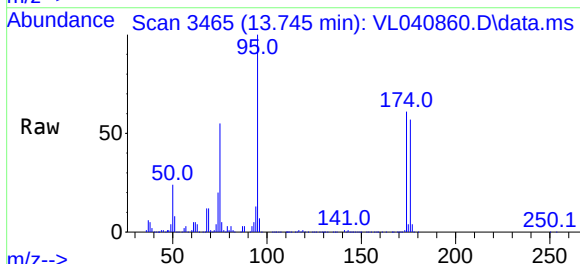
Manual Integrations
APPROVED

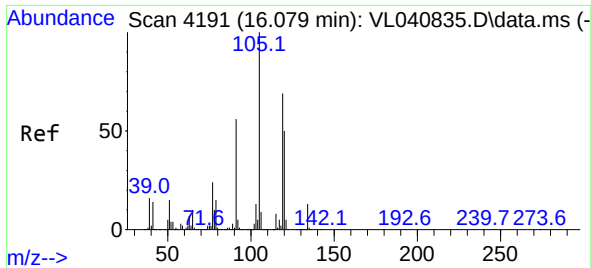
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.760 ppbv
RT: 13.745 min Scan# 3465
Delta R.T. -0.003 min
Lab File: VL040860.D
Acq: 14 Nov 2023 21:11

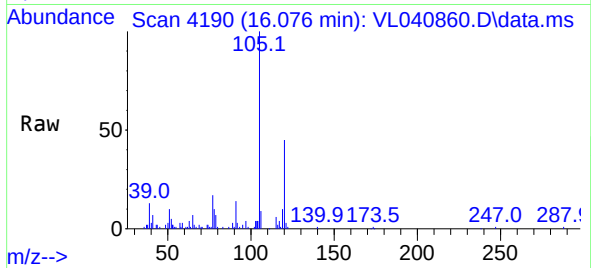
Tgt Ion: 95 Resp: 1726296
Ion Ratio Lower Upper
95 100
174 62.9 47.5 71.3
175 4.6 3.6 5.4





#74
1,2,4-Trimethylbenzene
Concen: 0.374 ppbv m
RT: 16.076 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL040860.D
Acq: 14 Nov 2023 21:11

Instrument :
MSVOA_L
ClientSampleId :
NT-IA-7



Tgt Ion:105 Resp: 96950
Ion Ratio Lower Upper
105 100
120 45.5 40.2 60.2
91 14.0 45.7 68.5
77 16.7 19.2 28.8#

Manual Integrations
APPROVED

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

