

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122222\
 Data File : VL040065.D
 Acq On : 22 Dec 2022 13:09
 Operator : SY/MD
 Sample : N6181-03DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2022
 Supervised By :Mahesh Dadoda 12/27/2022

Quant Time: Dec 23 06:27:37 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Dec 20 04:50:21 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.169	49	896011	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	2462313	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.449	117	2124317	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.761	95	1614969	9.952	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.500%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.709	85	48122	0.287	ppbv	95
4) Chloromethane	2.790	50	28855	0.348	ppbv	90
9) Propene	2.677	41	102156m	1.821	ppbv	
11) Trichlorofluoromethane	3.542	101	39249	0.215	ppbv	91
12) 1,1,2-Trichlorotrifluo...	4.044	101	8778m	0.064	ppbv	
13) Ethanol	3.221	45	1245971	235.966	ppbv	95
15) Acetone	3.446	43	775436	5.594	ppbv	96
20) Methylene Chloride	3.912	84	3991431	67.746	ppbv	92
26) Hexane	5.192	57	1152471	11.423	ppbv #	37
29) Chloroform	5.253	83	119721	0.778	ppbv	99
36) Benzene	6.349	78	123440	0.561	ppbv	98
44) 2,2,4-Trimethylpentane	7.304	57	64755	0.179	ppbv #	72
52) Tetrachloroethene	10.590	164	10038m	0.134	ppbv	
53) Toluene	9.201	91	215980	0.887	ppbv	100
58) Ethyl Benzene	12.069	91	38421	0.127	ppbv	98
59) m/p-Xylene	12.326	91	109283m	0.416	ppbv	
60) o-Xylene	13.037	91	40206m	0.160	ppbv	
74) 1,2,4-Trimethylbenzene	16.098	105	35736	0.129	ppbv #	71

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

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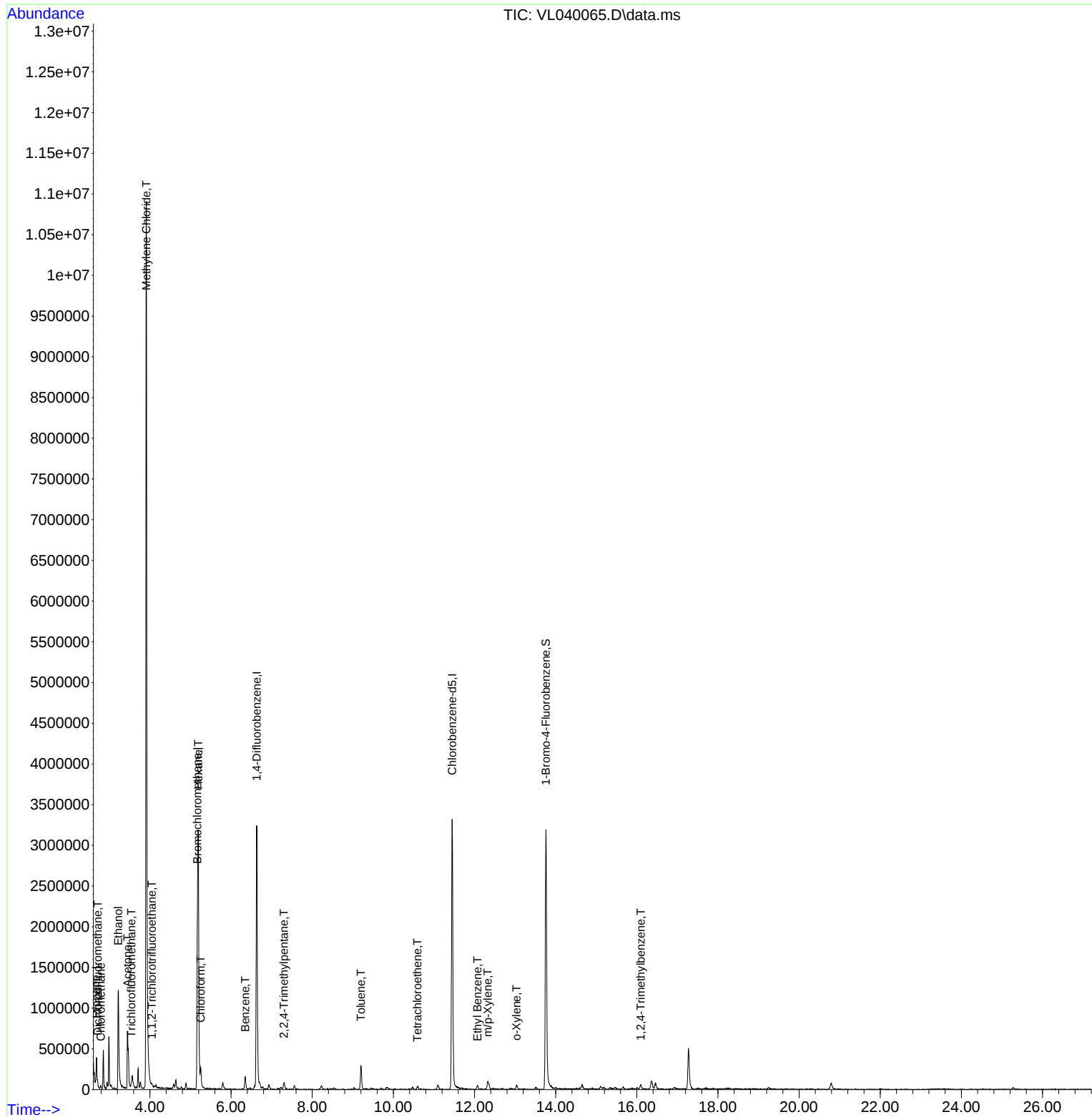
Quant Time: Dec 23 06:27:37 2022

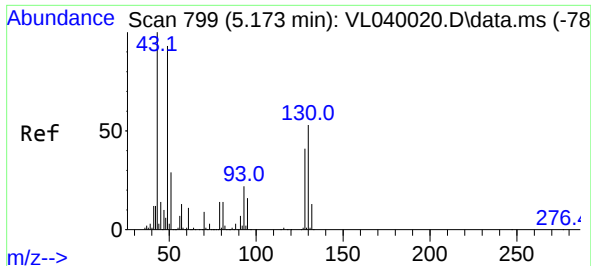
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug

QLast Update : Tue Dec 20 04:50:21 2022

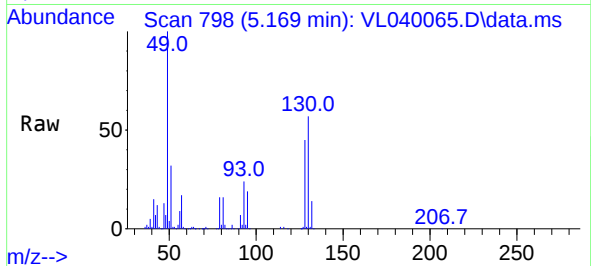
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.169 min Scan# 799
Delta R.T. -0.004 min
Lab File: VL040065.D
Acq: 22 Dec 2022 13:09

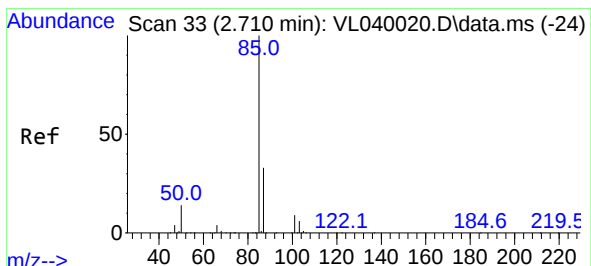
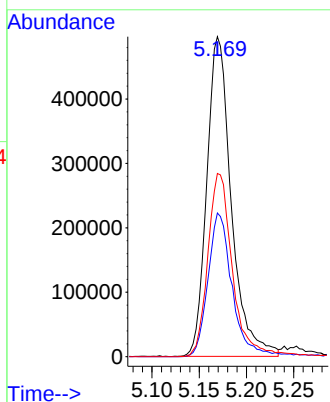
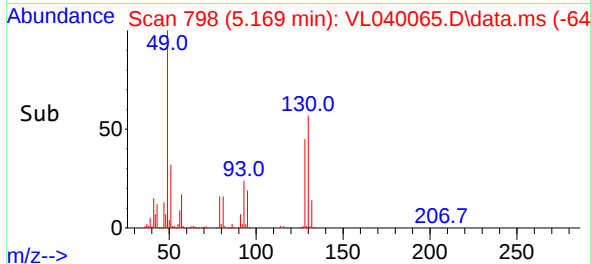
Instrument :
MSVOA_L
ClientSampleId :
IA1



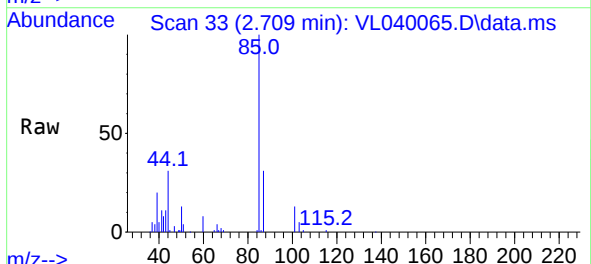
Tgt Ion: 49 Resp: 896011
Ion Ratio Lower Upper
49 100
128 45.5 22.4 67.3
130 58.1 28.9 86.8

Manual Integrations
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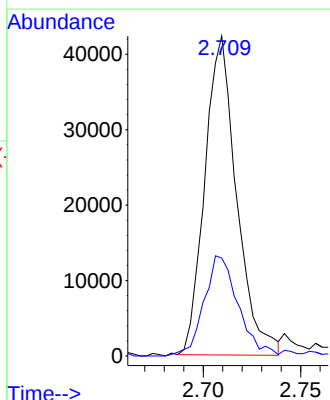
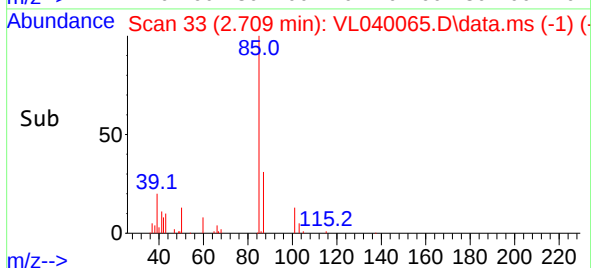
Reviewed By :Semsettin Yesilyurt 12/23/2022
Supervised By :Mahesh Dadoda 12/27/2022

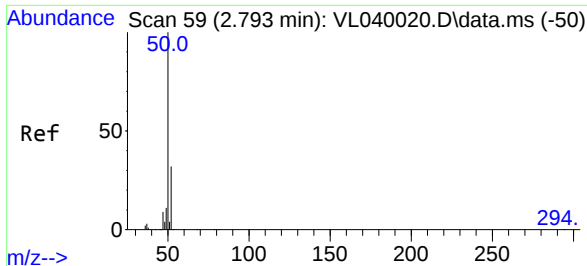


#2
Dichlorodifluoromethane
Concen: 0.287 ppbv
RT: 2.709 min Scan# 33
Delta R.T. -0.000 min
Lab File: VL040065.D
Acq: 22 Dec 2022 13:09



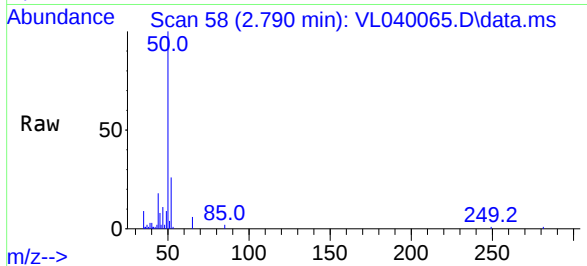
Tgt Ion: 85 Resp: 48122
Ion Ratio Lower Upper
85 100
87 30.2 26.6 40.0





#4
Chloromethane
Concen: 0.348 ppbv
RT: 2.790 min Scan# 50
Delta R.T. -0.003 min
Lab File: VL040065.D
Acq: 22 Dec 2022 13:09

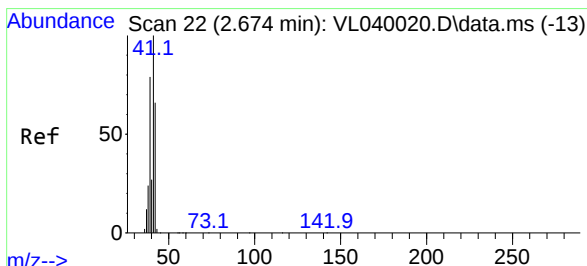
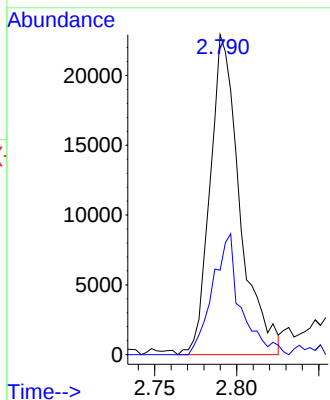
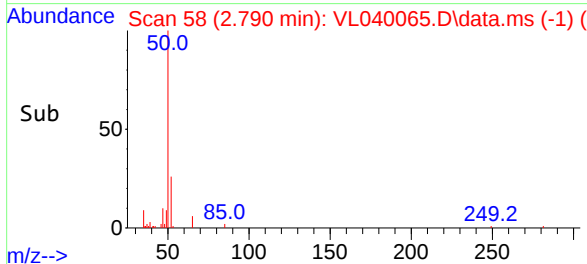
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 50 Resp: 2885
Ion Ratio Lower Upper
50 100
52 26.4 25.5 38.3

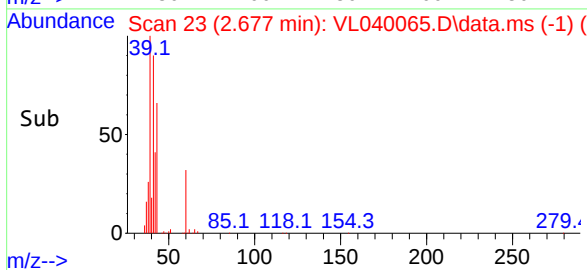
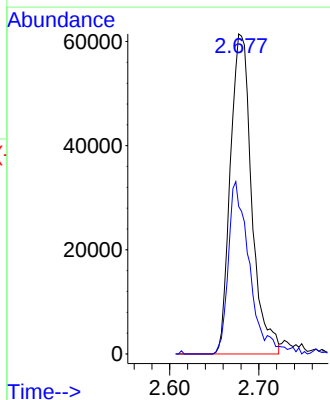
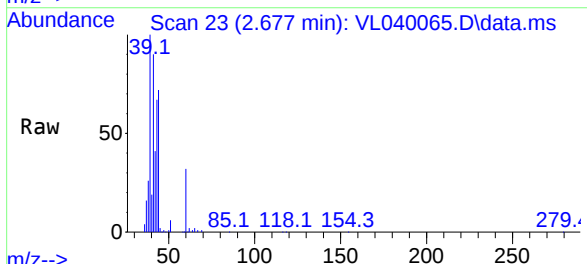
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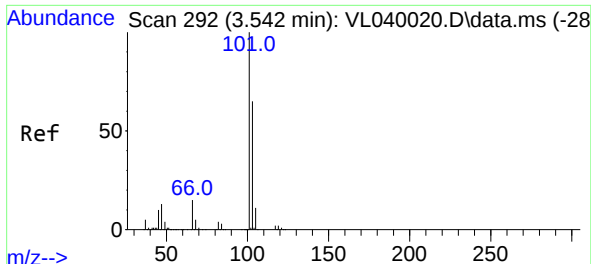
Reviewed By :Semsettin Yesilyurt 12/23/2022
Supervised By :Mahesh Dadoda 12/27/2022



#9
Propene
Concen: 1.821 ppbv m
RT: 2.677 min Scan# 23
Delta R.T. 0.003 min
Lab File: VL040065.D
Acq: 22 Dec 2022 13:09

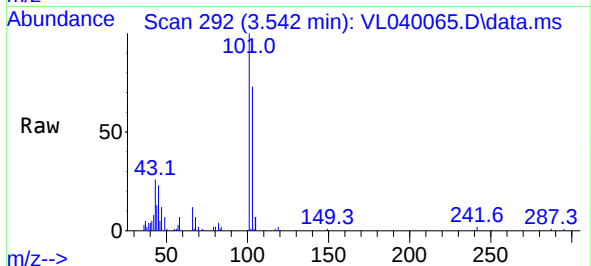
Tgt Ion: 41 Resp: 102156
Ion Ratio Lower Upper
41 100
42 80.6 54.8 82.2





#11
Trichlorofluoromethane
Concen: 0.215 ppbv
RT: 3.542 min Scan# 292
Delta R.T. -0.000 min
Lab File: VL040065.D
Acq: 22 Dec 2022 13:09

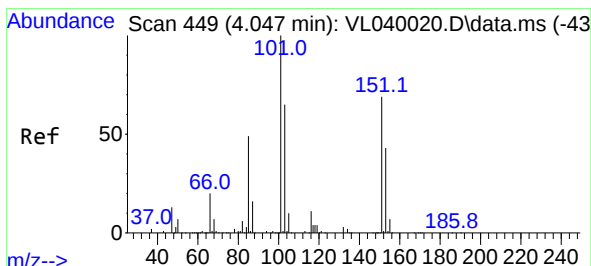
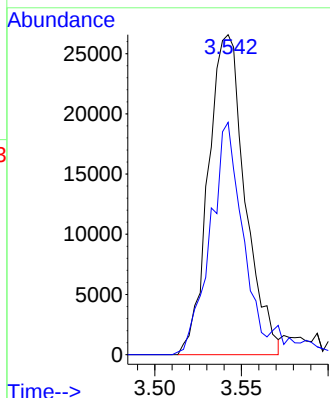
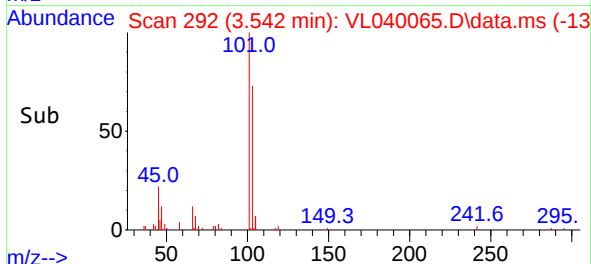
Instrument :
MSVOA_L
ClientSampleId :
IA1



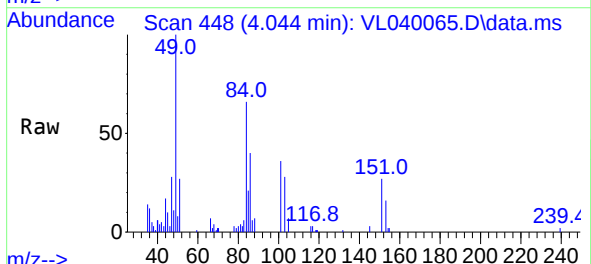
Tgt Ion:101 Resp: 39249
Ion Ratio Lower Upper
101 100
103 71.8 51.7 77.5

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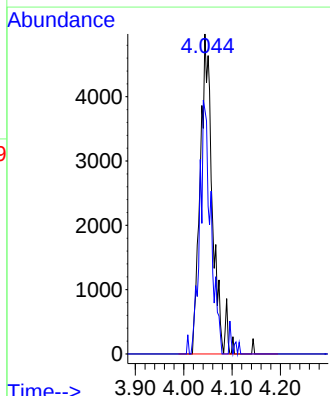
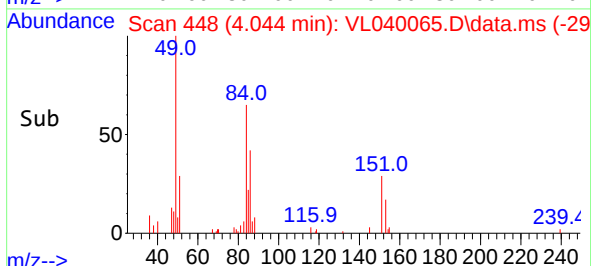
Reviewed By :Semsettin Yesilyurt 12/23/2022
Supervised By :Mahesh Dadoda 12/27/2022

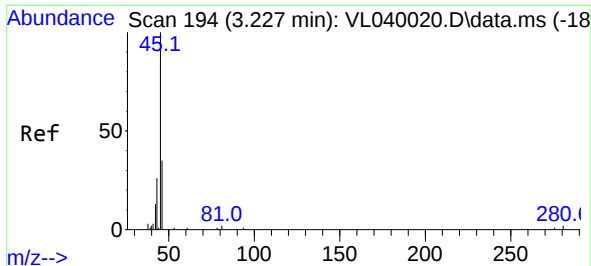


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.064 ppbv m
RT: 4.044 min Scan# 448
Delta R.T. -0.003 min
Lab File: VL040065.D
Acq: 22 Dec 2022 13:09



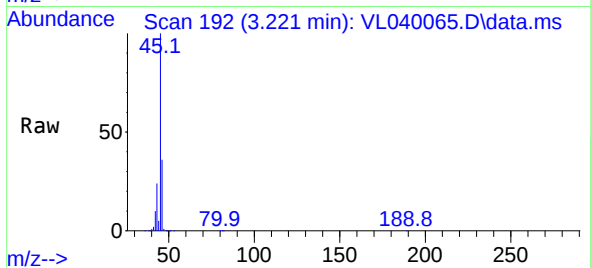
Tgt Ion:101 Resp: 8778
Ion Ratio Lower Upper
101 100
151 71.1 55.0 82.4





#13
Ethanol
Concen: 235.966 ppbv
RT: 3.221 min Scan# 194
Delta R.T. -0.007 min
Lab File: VL040065.D
Acq: 22 Dec 2022 13:09

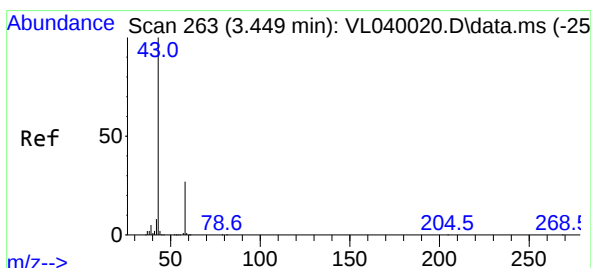
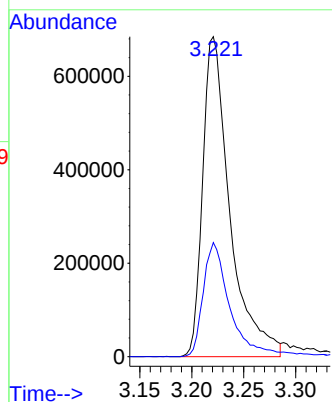
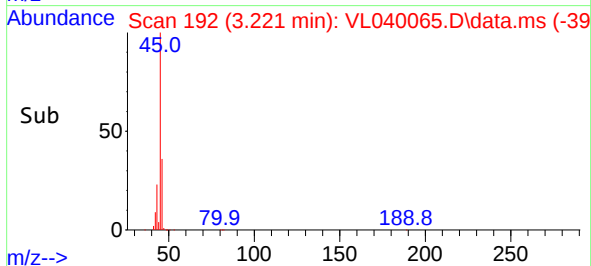
Instrument :
MSVOA_L
ClientSampleId :
IA1



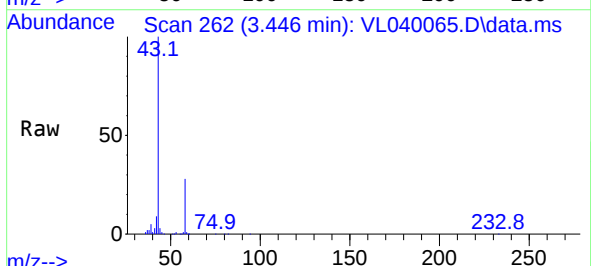
Tgt Ion: 45 Resp: 124597
Ion Ratio Lower Upper
45 100
46 36.9 13.7 54.7

Manual Integrations
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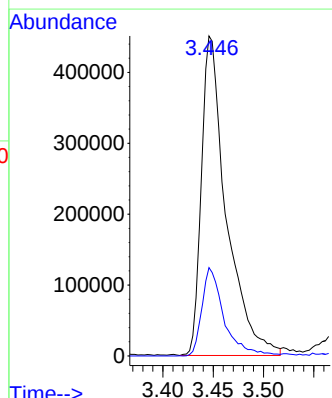
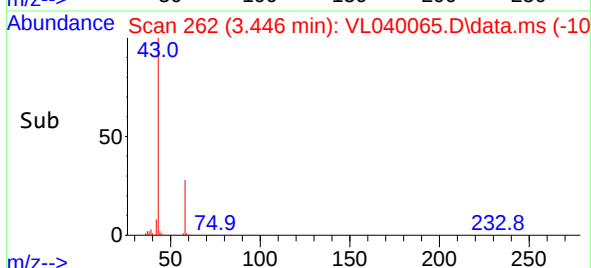
Reviewed By :Semsettin Yesilyurt 12/23/2022
Supervised By :Mahesh Dadoda 12/27/2022

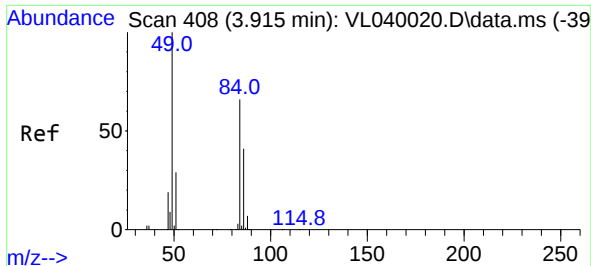


#15
Acetone
Concen: 5.594 ppbv
RT: 3.446 min Scan# 262
Delta R.T. -0.003 min
Lab File: VL040065.D
Acq: 22 Dec 2022 13:09



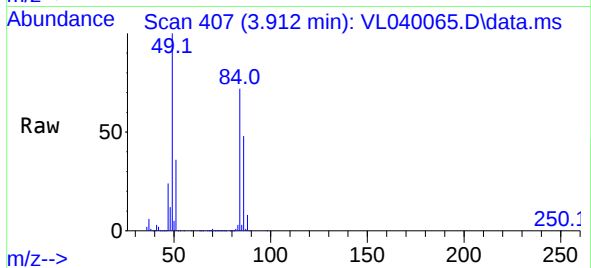
Tgt Ion: 43 Resp: 775436
Ion Ratio Lower Upper
43 100
58 25.0 21.8 32.8





#20
Methylene Chloride
Concen: 67.746 ppbv
RT: 3.912 min Scan# 407
Delta R.T. -0.003 min
Lab File: VL040065.D
Acq: 22 Dec 2022 13:09

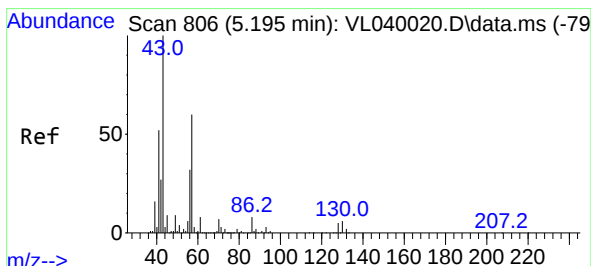
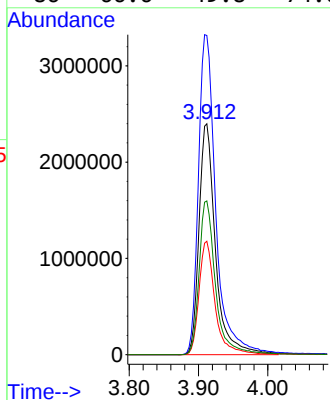
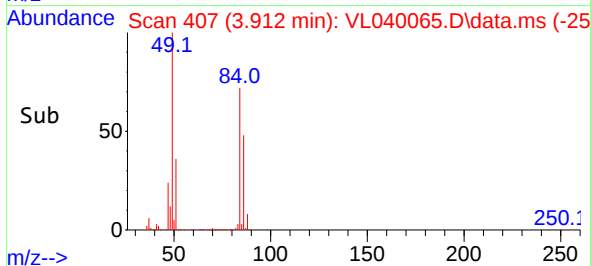
Instrument :
MSVOA_L
ClientSampleId :
IA1



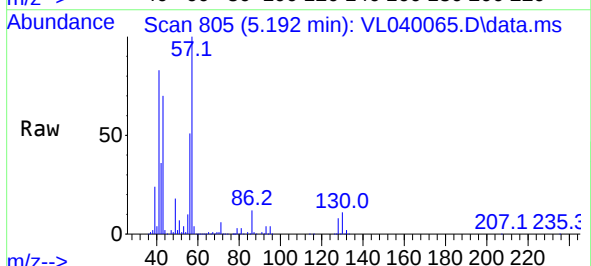
Tgt Ion: 84 Resp: 399143
Ion Ratio Lower Upper
84 100
49 138.2 120.5 180.7
51 49.1 35.2 52.8
86 66.6 49.8 74.6

Manual Integrations
APPROVED

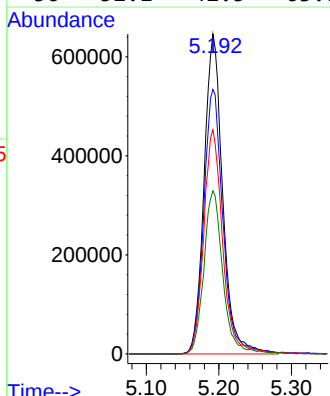
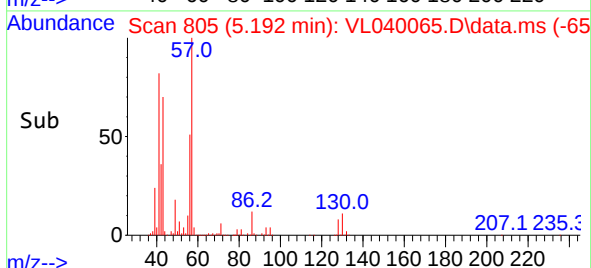
Reviewed By :Semsettin Yesilyurt 12/23/2022
Supervised By :Mahesh Dadoda 12/27/2022

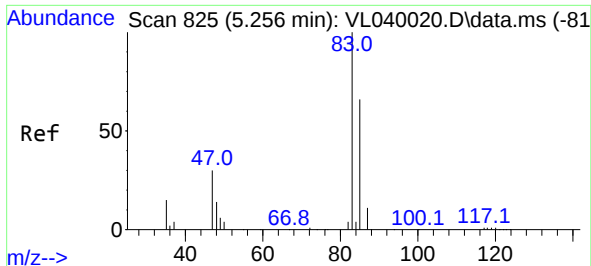


#26
Hexane
Concen: 11.423 ppbv
RT: 5.192 min Scan# 805
Delta R.T. -0.003 min
Lab File: VL040065.D
Acq: 22 Dec 2022 13:09



Tgt Ion: 57 Resp: 1152471
Ion Ratio Lower Upper
57 100
41 86.1 72.1 108.1
43 71.5 192.1 288.1#
56 52.1 42.5 63.7





#29

Chloroform

Concen: 0.778 ppbv

RT: 5.253 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL040065.D

Acq: 22 Dec 2022 13:09

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 83 Resp: 11972

Ion Ratio Lower Upper

83 100

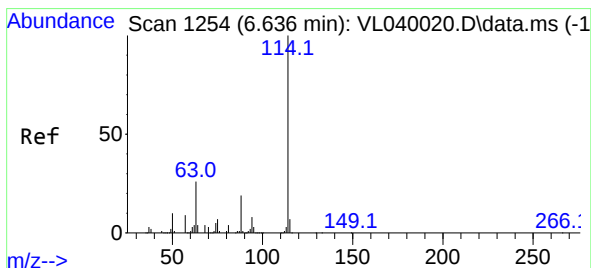
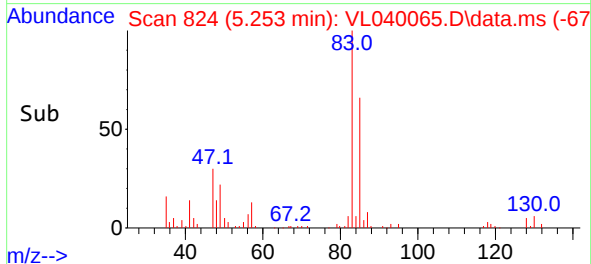
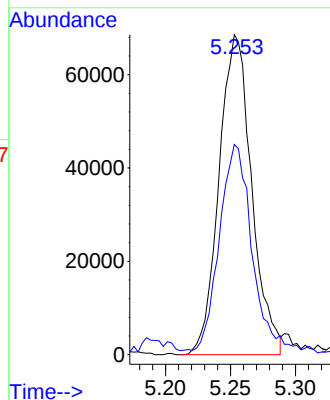
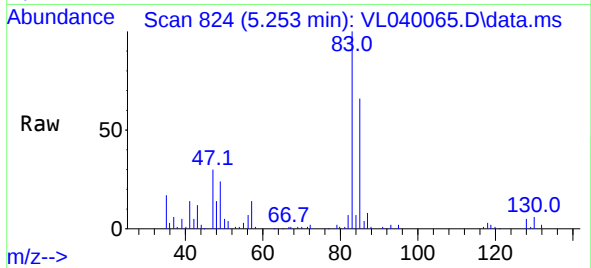
85 64.4 52.4 78.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2022

Supervised By :Mahesh Dadoda 12/27/2022



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.632 min Scan# 1253

Delta R.T. -0.003 min

Lab File: VL040065.D

Acq: 22 Dec 2022 13:09

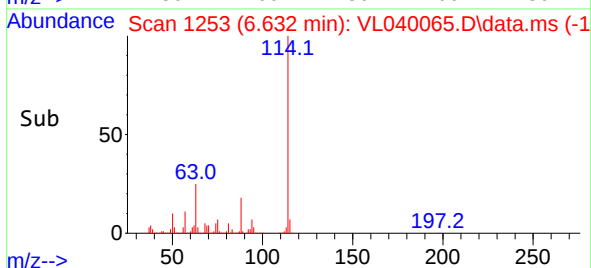
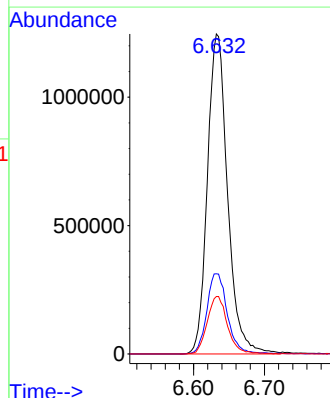
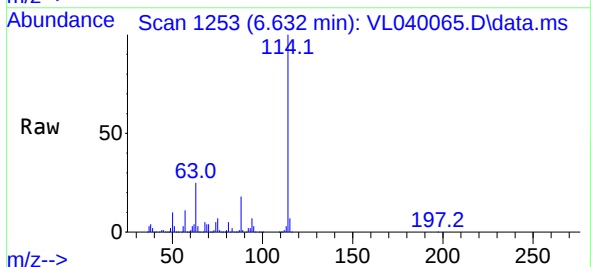
Tgt Ion:114 Resp: 2462313

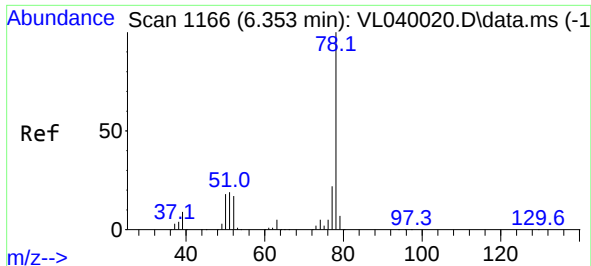
Ion Ratio Lower Upper

114 100

63 25.7 20.2 30.2

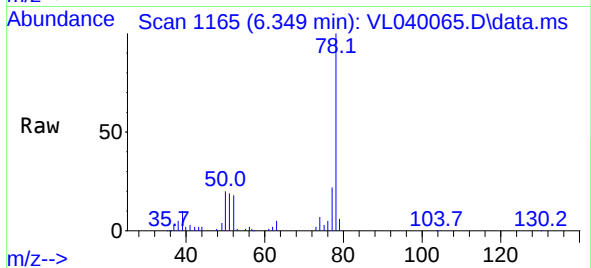
88 18.2 14.6 21.8





#36
Benzene
Concen: 0.561 ppbv
RT: 6.349 min Scan# 1166
Delta R.T. -0.003 min
Lab File: VL040065.D
Acq: 22 Dec 2022 13:09

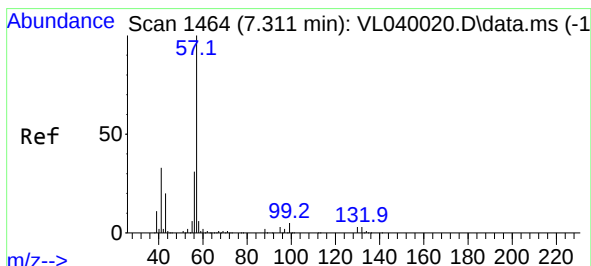
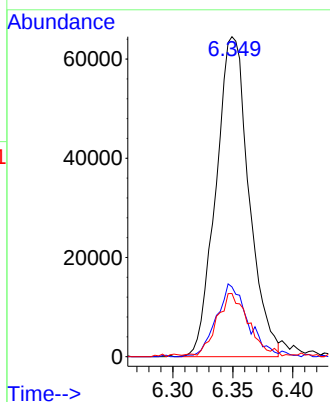
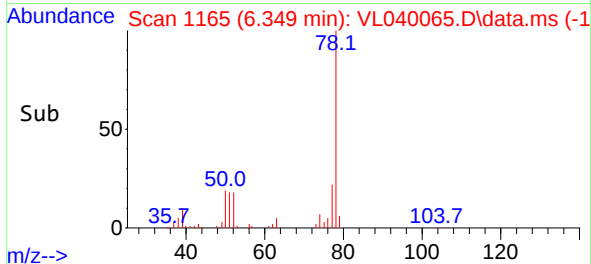
Instrument :
MSVOA_L
ClientSampleId :
IA1



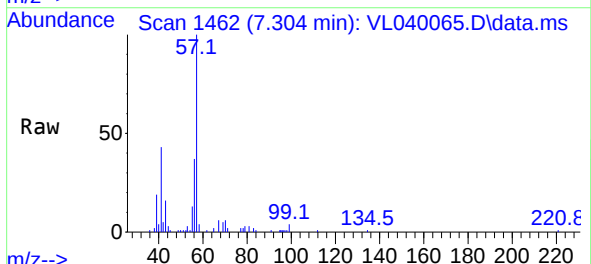
Tgt Ion: 78 Resp: 123440
Ion Ratio Lower Upper
78 100
77 21.8 17.5 26.3
50 19.2 14.2 21.2

Manual Integrations
APPROVED

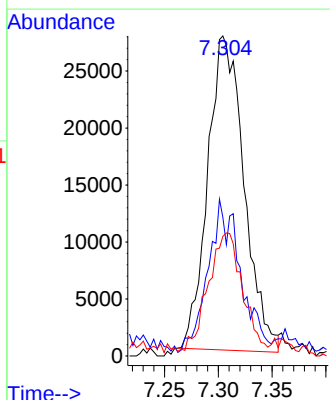
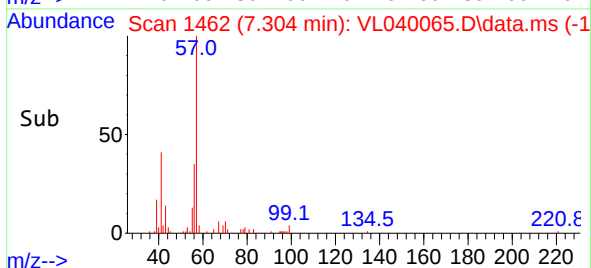
Reviewed By :Semsettin Yesilyurt 12/23/2022
Supervised By :Mahesh Dadoda 12/27/2022

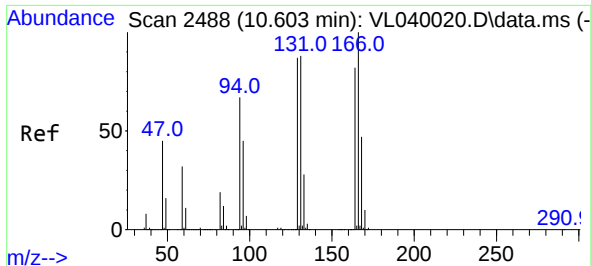


#44
2,2,4-Trimethylpentane
Concen: 0.179 ppbv
RT: 7.304 min Scan# 1462
Delta R.T. -0.007 min
Lab File: VL040065.D
Acq: 22 Dec 2022 13:09



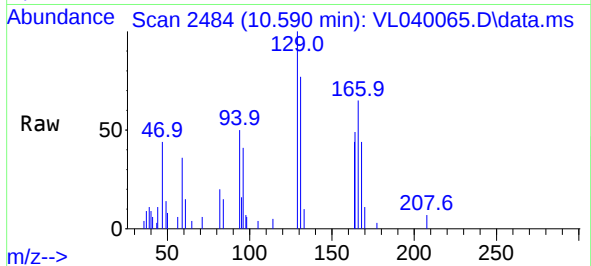
Tgt Ion: 57 Resp: 64755
Ion Ratio Lower Upper
57 100
41 52.6 26.2 39.4#
56 42.6 25.1 37.7#





#52
Tetrachloroethene
Concen: 0.134 ppbv m
RT: 10.590 min Scan# 2488
Delta R.T. -0.013 min
Lab File: VL040065.D
Acq: 22 Dec 2022 13:09

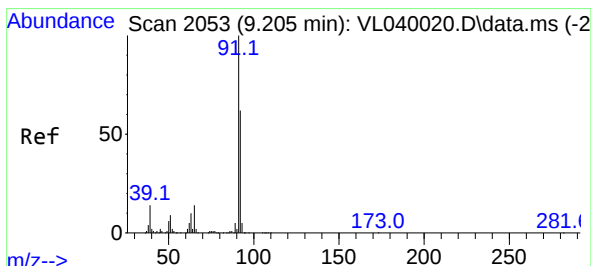
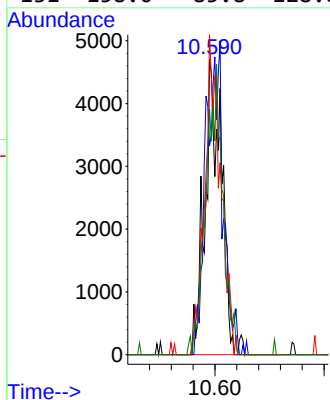
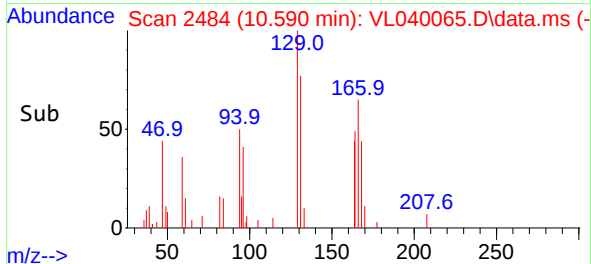
Instrument : MSVOA_L
ClientSampleId : IA1



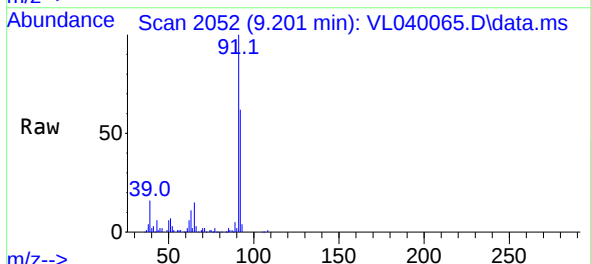
Tgt Ion:164 Resp: 10038
Ion Ratio Lower Upper
164 100
166 134.3 97.4 146.0
129 206.1 84.3 126.5
131 158.0 85.8 128.8

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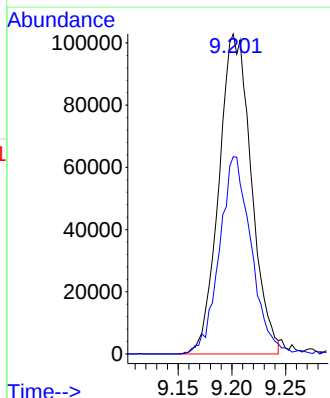
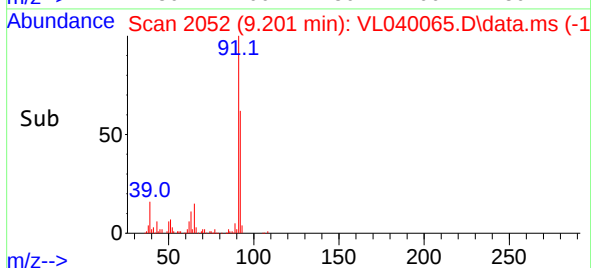
Reviewed By :Semsettin Yesilyurt 12/23/2022
Supervised By :Mahesh Dadoda 12/27/2022

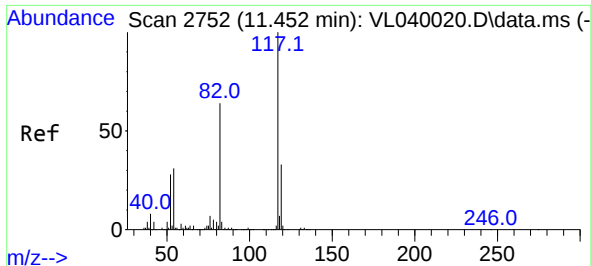


#53
Toluene
Concen: 0.887 ppbv
RT: 9.201 min Scan# 2052
Delta R.T. -0.003 min
Lab File: VL040065.D
Acq: 22 Dec 2022 13:09



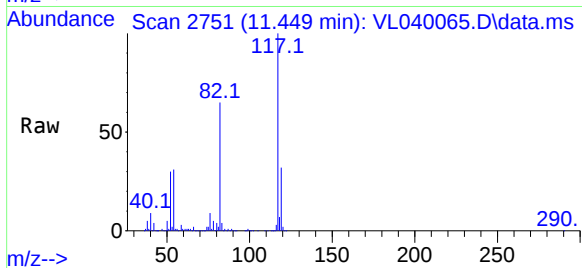
Tgt Ion: 91 Resp: 215980
Ion Ratio Lower Upper
91 100
92 61.0 48.7 73.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040065.D
Acq: 22 Dec 2022 13:09

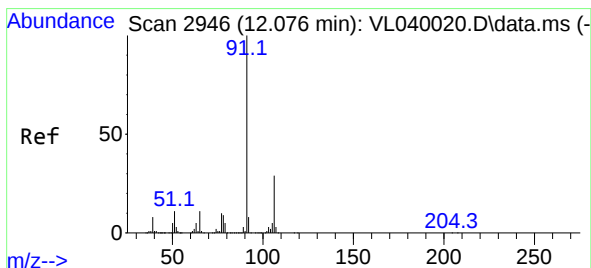
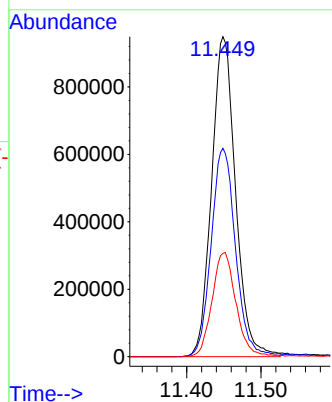
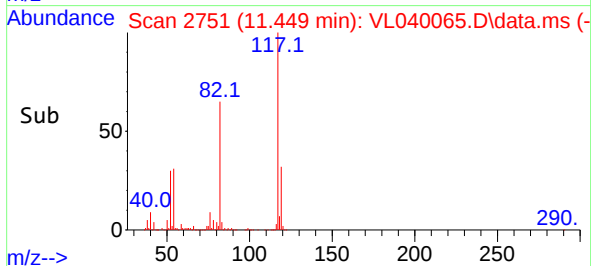
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion:117 Resp: 212431
Ion Ratio Lower Upper
117 100
82 67.6 51.2 76.8
119 33.0 23.2 34.8

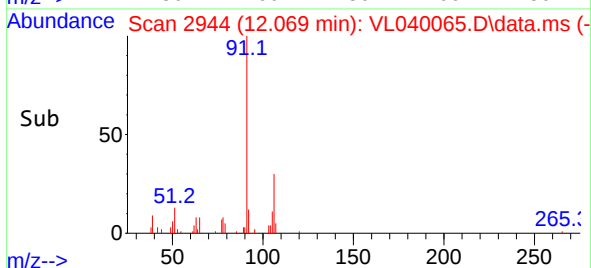
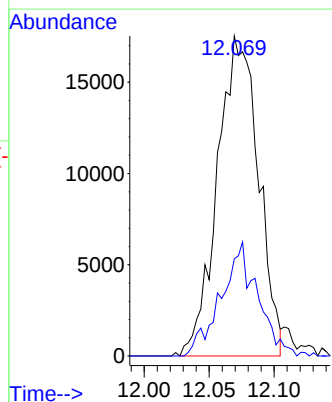
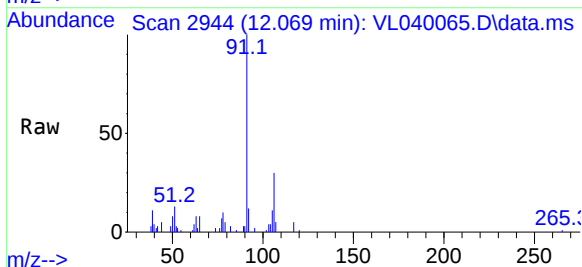
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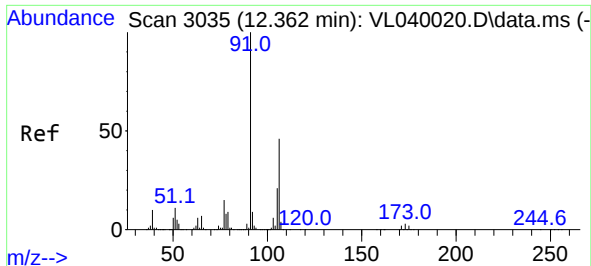
Reviewed By :Semsettin Yesilyurt 12/23/2022
Supervised By :Mahesh Dadoda 12/27/2022



#58
Ethyl Benzene
Concen: 0.127 ppbv
RT: 12.069 min Scan# 2944
Delta R.T. -0.007 min
Lab File: VL040065.D
Acq: 22 Dec 2022 13:09

Tgt Ion: 91 Resp: 38421
Ion Ratio Lower Upper
91 100
106 30.3 23.5 35.3





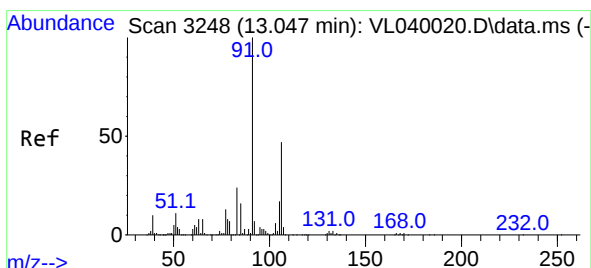
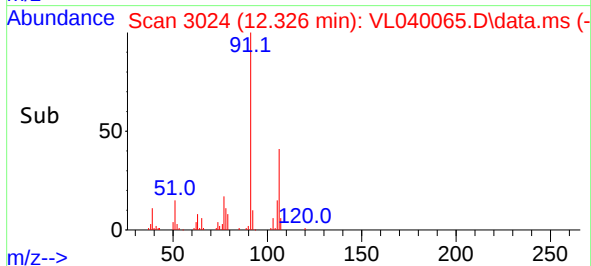
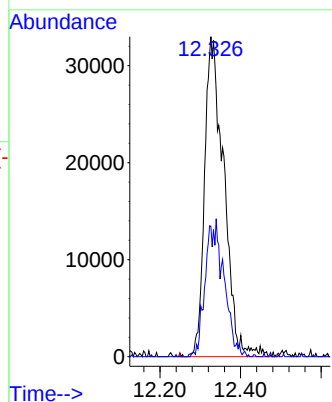
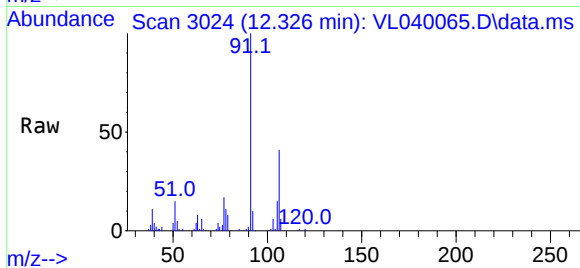
#59
m/p-Xylene
Concen: 0.416 ppbv m
RT: 12.326 min Scan# 3035
Delta R.T. -0.035 min
Lab File: VL040065.D
Acq: 22 Dec 2022 13:09

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 10928
Ion Ratio Lower Upper
91 100
106 0.0 35.5 53.3

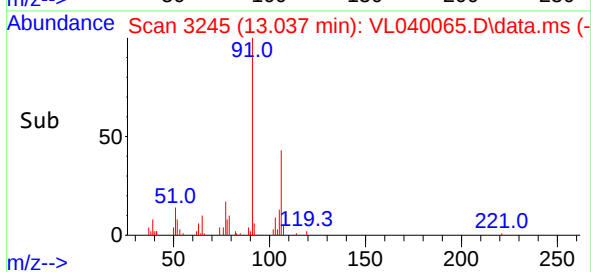
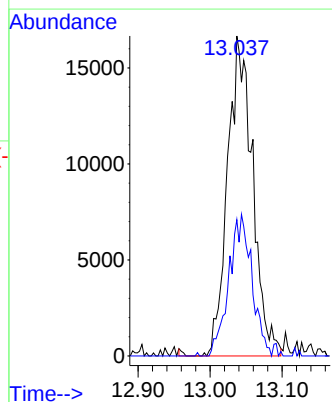
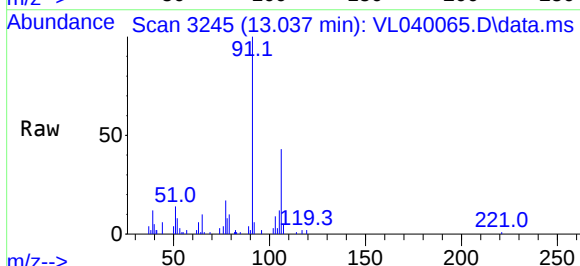
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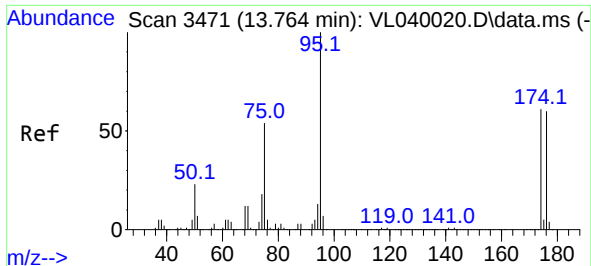
Reviewed By :Semsettin Yesilyurt 12/23/2022
Supervised By :Mahesh Dadoda 12/27/2022



#60
o-Xylene
Concen: 0.160 ppbv m
RT: 13.037 min Scan# 3245
Delta R.T. -0.010 min
Lab File: VL040065.D
Acq: 22 Dec 2022 13:09

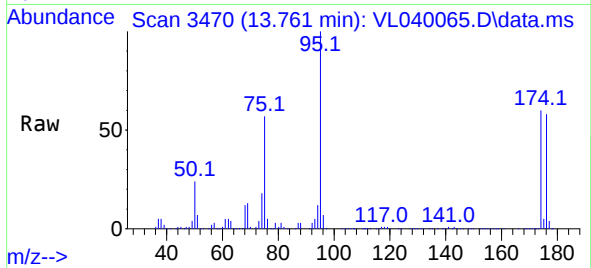
Tgt Ion: 91 Resp: 40206
Ion Ratio Lower Upper
91 100
106 41.4 22.4 67.0





#68
1-Bromo-4-Fluorobenzene
Concen: 9.952 ppbv
RT: 13.761 min Scan# 3471
Delta R.T. -0.003 min
Lab File: VL040065.D
Acq: 22 Dec 2022 13:09

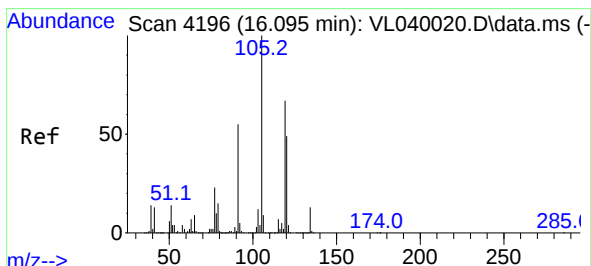
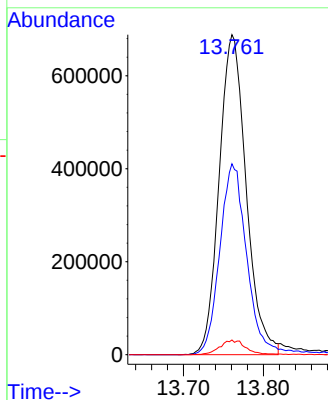
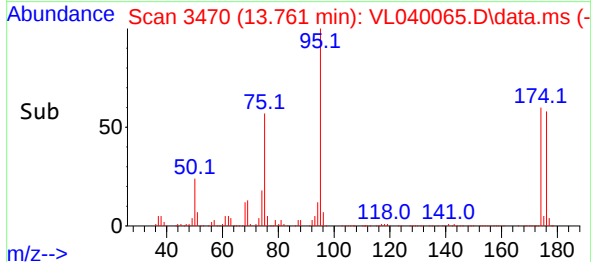
Instrument :
MSVOA_L
ClientSampleId :
IA1



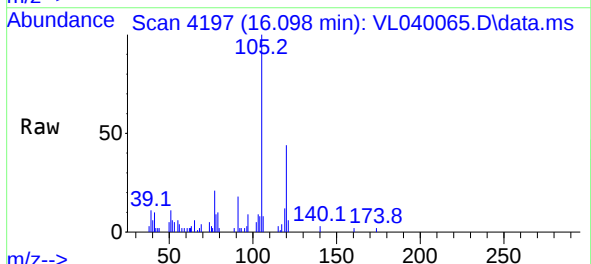
Tgt Ion: 95 Resp: 161496
Ion Ratio Lower Upper
95 100
174 61.1 48.6 73.0
175 4.5 3.4 5.2

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 12/23/2022
Supervised By :Mahesh Dadoda 12/27/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.129 ppbv
RT: 16.098 min Scan# 4197
Delta R.T. 0.003 min
Lab File: VL040065.D
Acq: 22 Dec 2022 13:09



Tgt Ion:105 Resp: 35736
Ion Ratio Lower Upper
105 100
120 44.8 39.3 58.9
91 13.6 44.2 66.4#
77 19.0 18.8 28.2

