

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100423\
 Data File : VL040744.D
 Acq On : 4 Oct 2023 17:33
 Operator : SY/MD
 Sample : 04716-04DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/05/2023
 Supervised By : Mahesh Dadoda 10/05/2023

Quant Time: Oct 05 04:28:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Tue Sep 19 05:12:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	914261	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2501997	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.452	117	2082502	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.760	95	1535036	9.540	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.400%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.742	85	24768	0.123	ppbv	91
3) Chlorodifluoromethane	2.690	51	18996m	0.128	ppbv	
9) Propene	2.716	41	36850m	0.859	ppbv	
13) Ethanol	3.256	45	107211m	8.442	ppbv	
15) Acetone	3.481	43	271642m	2.253	ppbv	
19) Isopropyl Alcohol	3.594	45	104092m	1.433	ppbv	
20) Methylene Chloride	3.938	84	572304	8.817	ppbv	96
26) Hexane	5.211	57	265570	2.888	ppbv #	42
36) Benzene	6.365	78	21424m	0.116	ppbv	
53) Toluene	9.211	91	54924	0.281	ppbv	99

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

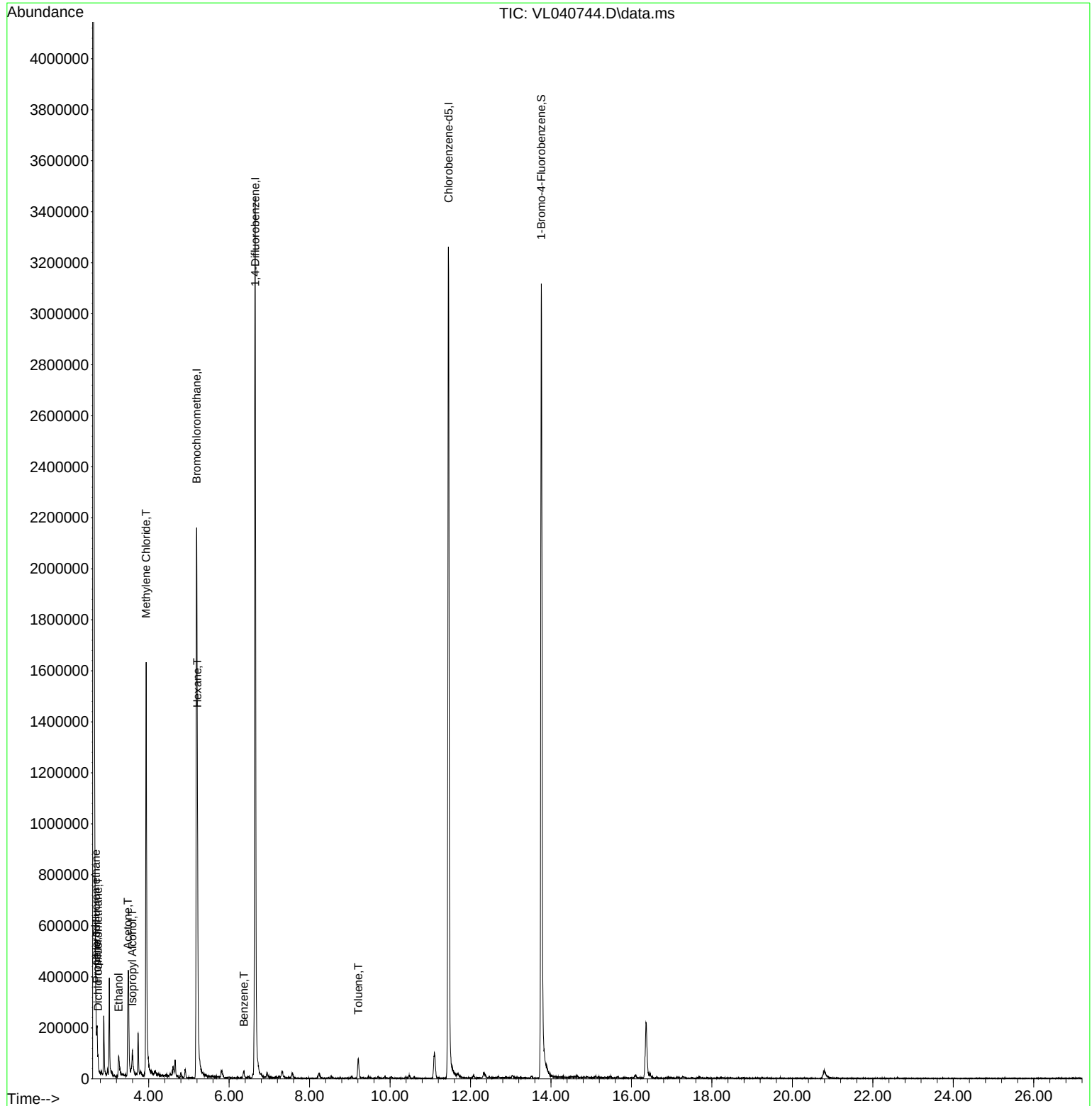
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100423\
Data File : VL040744.D
Acq On : 4 Oct 2023 17:33
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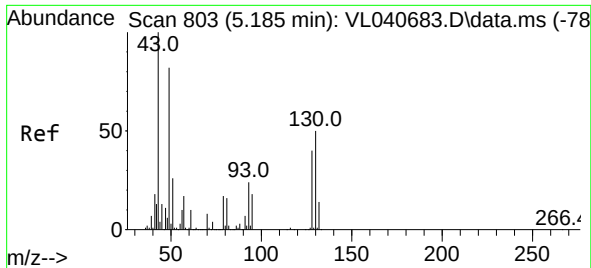
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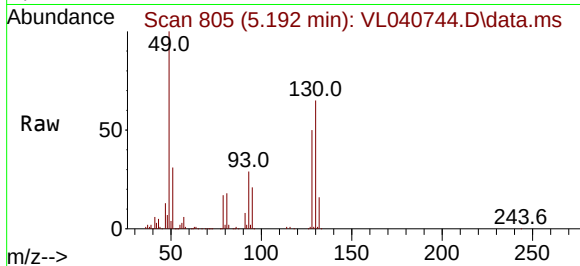
Quant Time: Oct 05 04:28:04 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Sep 19 05:12:43 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. -0.006 min
Lab File: VL040744.D
Acq: 4 Oct 2023 17:33

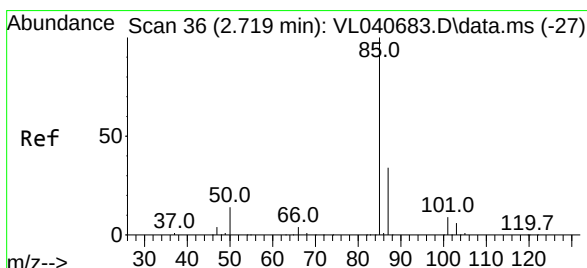
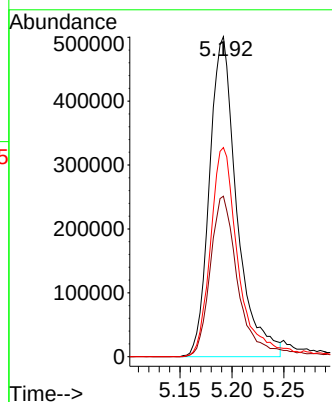
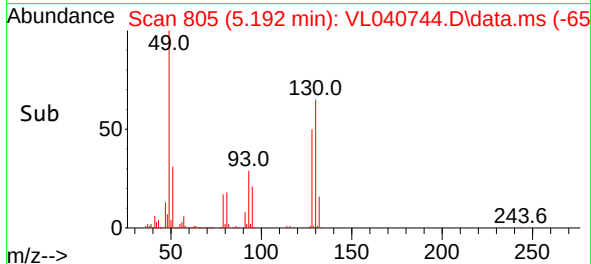
Instrument :
MSVOA_L
ClientSampleId :
OA1DL



Tgt Ion: 49 Resp: 91426
Ion Ratio Lower Upper
49 100
128 52.0 25.4 76.0
130 68.5 32.3 96.8

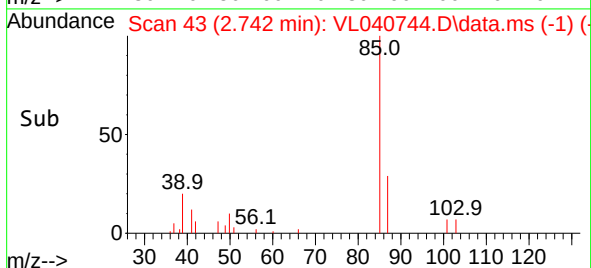
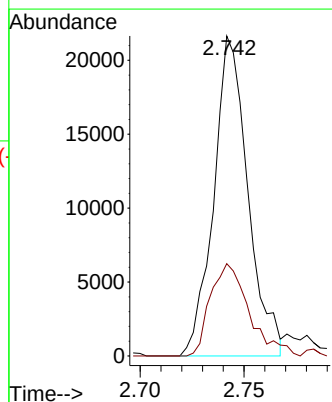
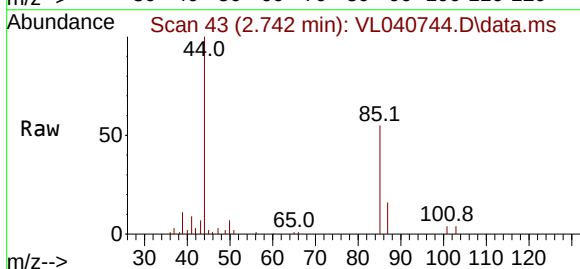
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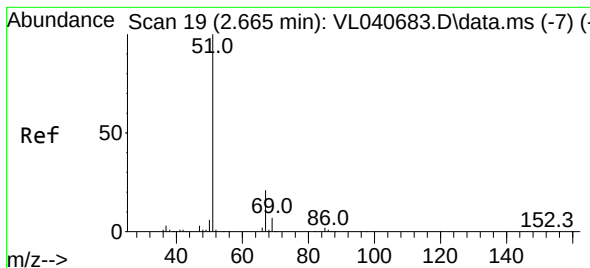
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#2
Dichlorodifluoromethane
Concen: 0.123 ppbv
RT: 2.742 min Scan# 43
Delta R.T. 0.010 min
Lab File: VL040744.D
Acq: 4 Oct 2023 17:33

Tgt Ion: 85 Resp: 24768
Ion Ratio Lower Upper
85 100
87 28.8 27.2 40.8





#3

Chlorodifluoromethane

Concen: 0.128 ppbv m

RT: 2.690 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL040744.D

Acq: 4 Oct 2023 17:33

Instrument :

MSVOA_L

ClientSampleId :

OA1DL

Tgt Ion: 51 Resp: 18990

Ion Ratio Lower Upper

51 100

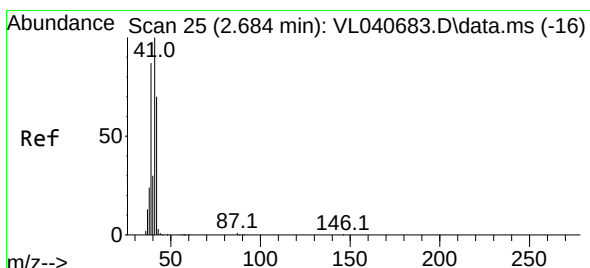
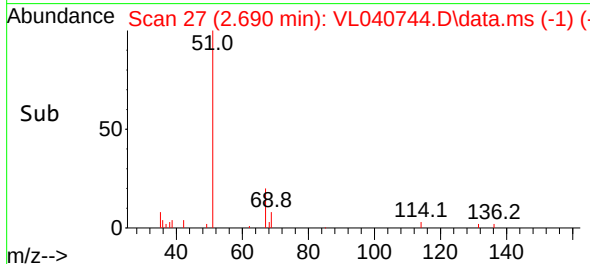
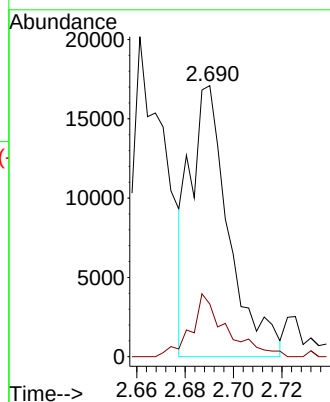
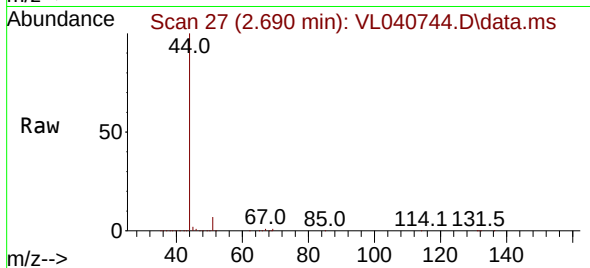
67 21.9 16.7 25.1

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Supervised By :Mahesh Dadoda 10/05/2023



#9

Propene

Concen: 0.859 ppbv m

RT: 2.716 min Scan# 35

Delta R.T. 0.019 min

Lab File: VL040744.D

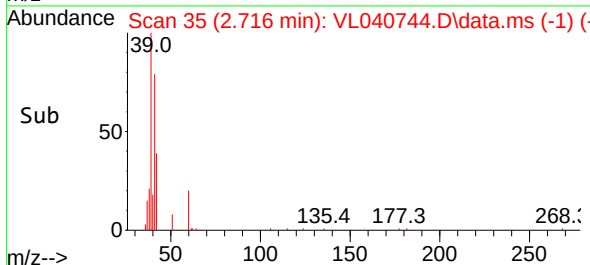
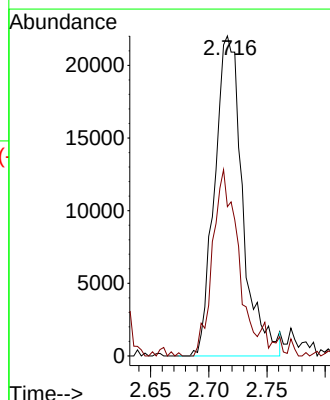
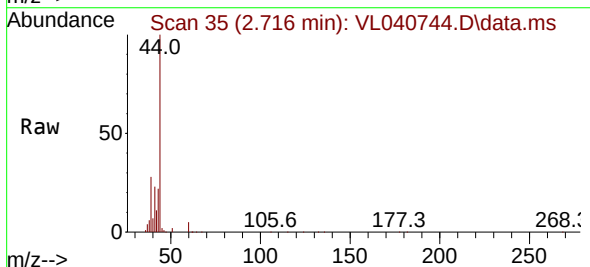
Acq: 4 Oct 2023 17:33

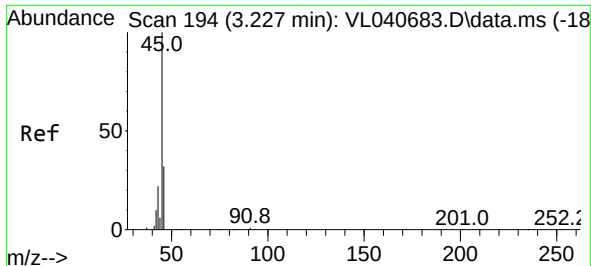
Tgt Ion: 41 Resp: 36850

Ion Ratio Lower Upper

41 100

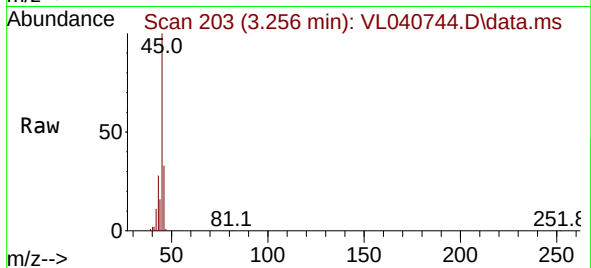
42 119.7 56.7 85.1#





#13
Ethanol
Concen: 8.442 ppbv m
RT: 3.256 min Scan# 20
Delta R.T. 0.013 min
Lab File: VL040744.D
Acq: 4 Oct 2023 17:33

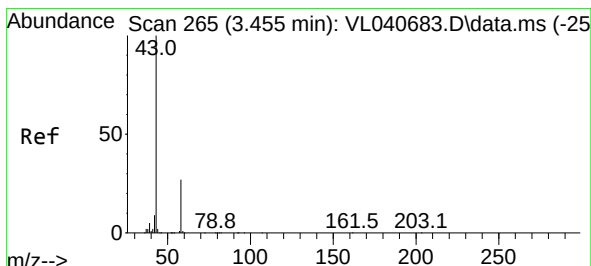
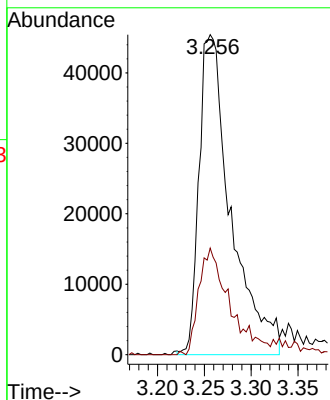
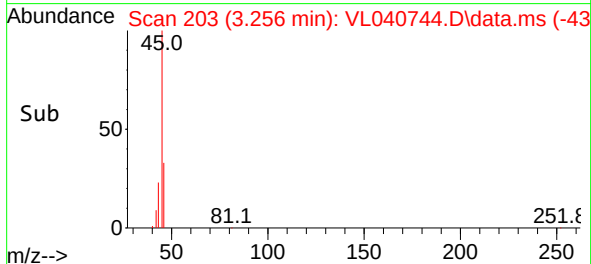
Instrument :
MSVOA_L
ClientSampleId :
OA1DL



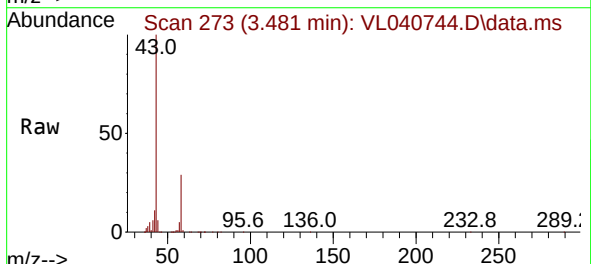
Tgt Ion: 45 Resp: 10721
Ion Ratio Lower Upper
45 100
46 33.2 15.2 61.0

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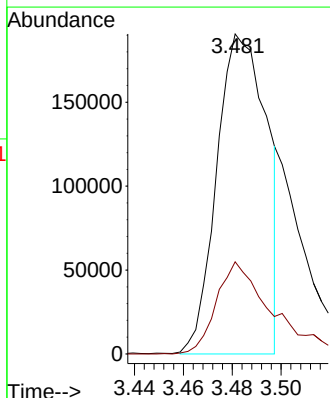
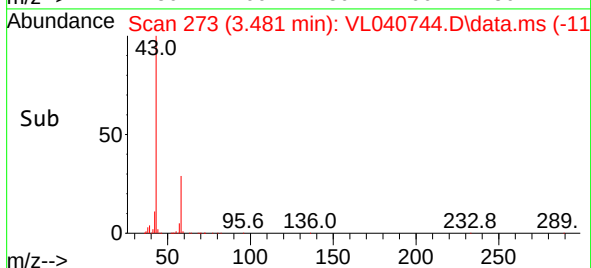
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023

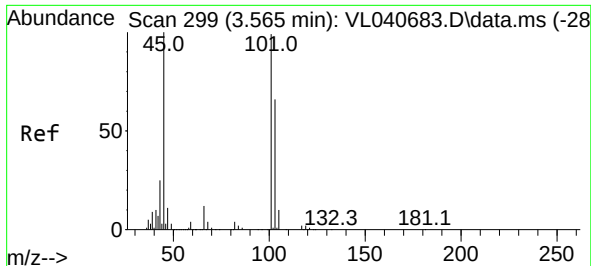


#15
Acetone
Concen: 2.253 ppbv m
RT: 3.481 min Scan# 273
Delta R.T. 0.010 min
Lab File: VL040744.D
Acq: 4 Oct 2023 17:33



Tgt Ion: 43 Resp: 271642
Ion Ratio Lower Upper
43 100
58 34.9 22.6 34.0#





#19

Isopropyl Alcohol

Concen: 1.433 ppbv m

RT: 3.594 min Scan# 308

Delta R.T. 0.016 min

Lab File: VL040744.D

Acq: 4 Oct 2023 17:33

Instrument :

MSVOA_L

ClientSampleId :

OA1DL

Tgt Ion: 45 Resp: 104092

Ion Ratio Lower Upper

45 100

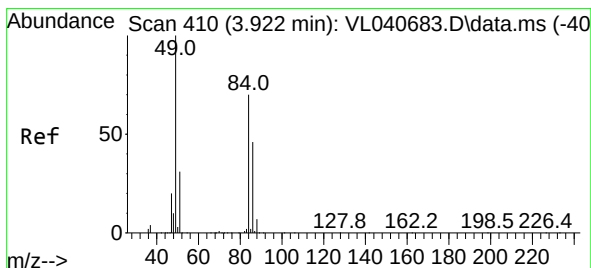
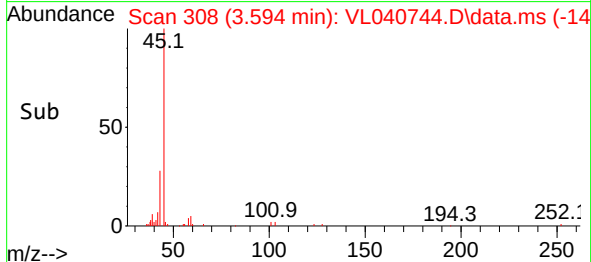
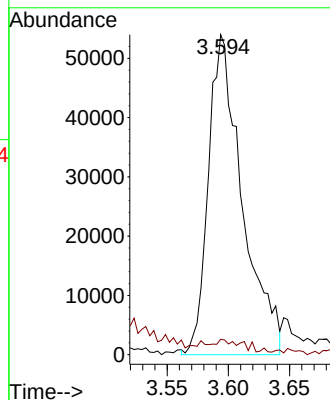
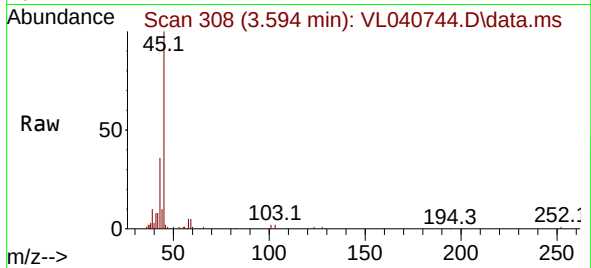
58 0.0 1.9 2.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/05/2023

Supervised By :Mahesh Dadoda 10/05/2023



#20

Methylene Chloride

Concen: 8.817 ppbv

RT: 3.938 min Scan# 415

Delta R.T. 0.000 min

Lab File: VL040744.D

Acq: 4 Oct 2023 17:33

Tgt Ion: 84 Resp: 572304

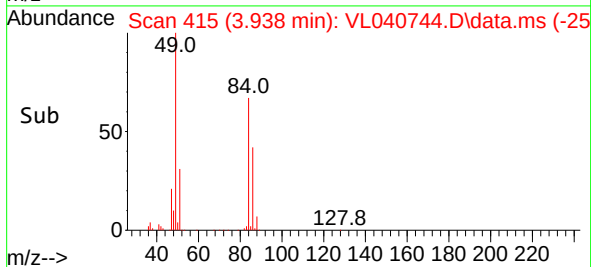
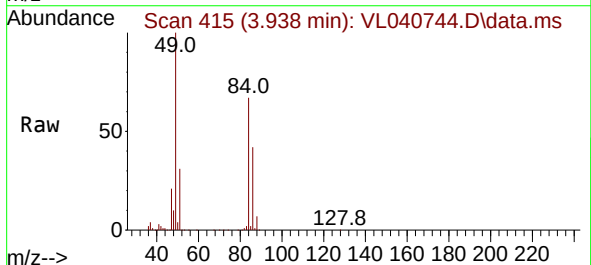
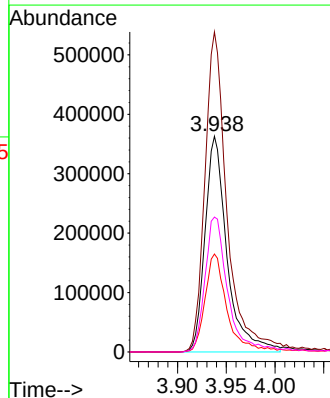
Ion Ratio Lower Upper

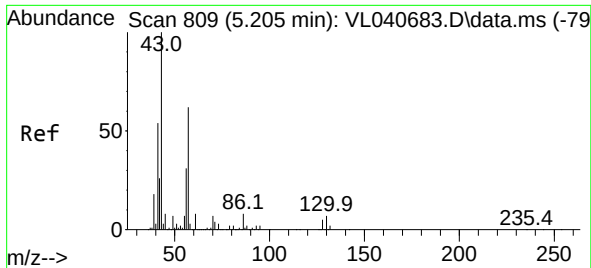
84 100

49 148.4 114.4 171.6

51 45.4 35.5 53.3

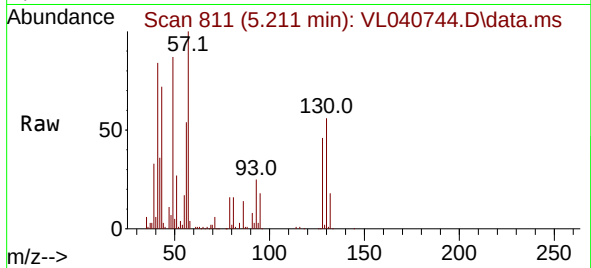
86 62.5 53.2 79.8





#26
Hexane
Concen: 2.888 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.010 min
Lab File: VL040744.D
Acq: 4 Oct 2023 17:33

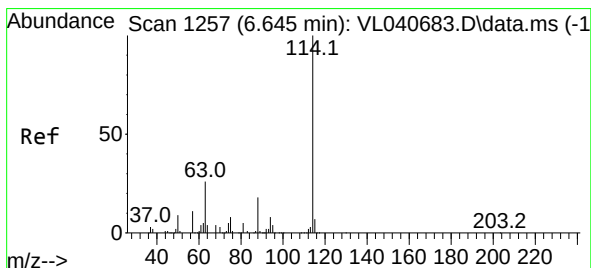
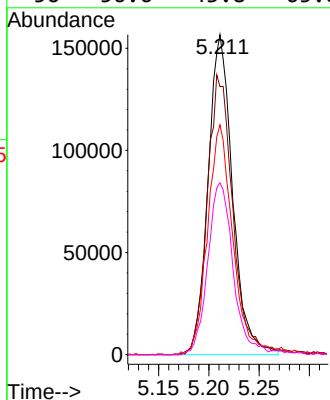
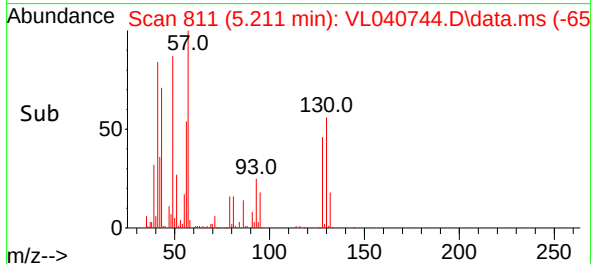
Instrument :
MSVOA_L
ClientSampleId :
OA1DL



Tgt Ion: 57 Resp: 265570
Ion Ratio Lower Upper
57 100
41 92.8 75.2 112.8
43 75.5 185.6 278.4
56 56.6 43.8 65.8

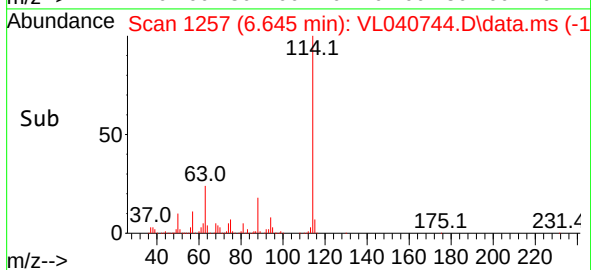
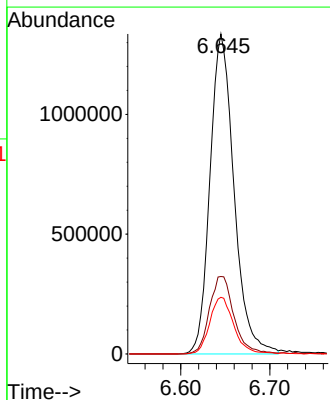
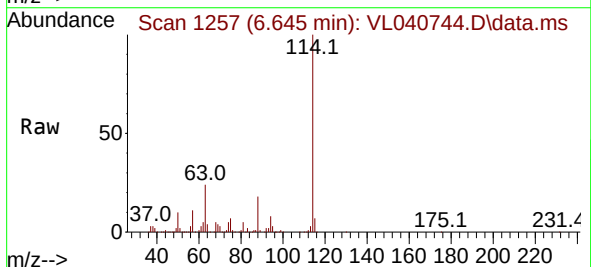
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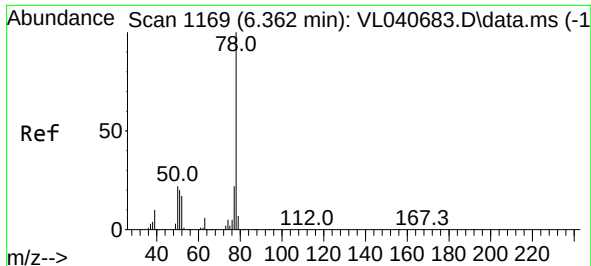
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. -0.016 min
Lab File: VL040744.D
Acq: 4 Oct 2023 17:33

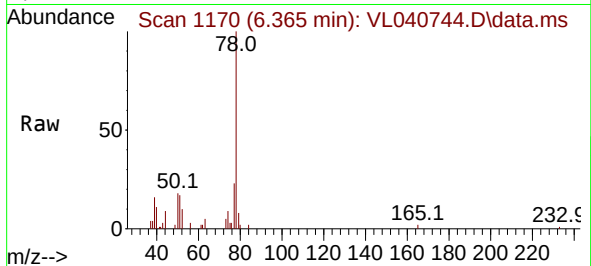
Tgt Ion:114 Resp: 2501997
Ion Ratio Lower Upper
114 100
63 25.2 21.1 31.7
88 17.9 14.5 21.7





#36
Benzene
Concen: 0.116 ppbv m
RT: 6.365 min Scan# 1169
Delta R.T. -0.016 min
Lab File: VL040744.D
Acq: 4 Oct 2023 17:33

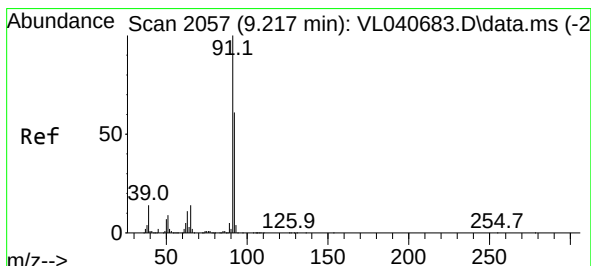
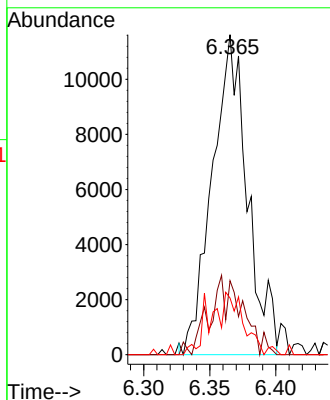
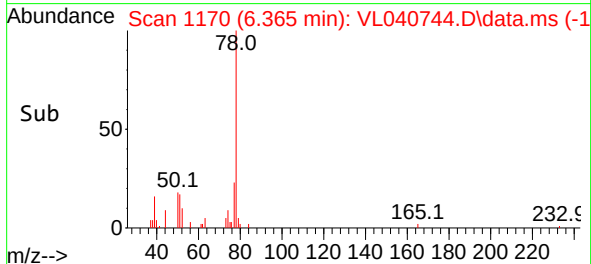
Instrument :
MSVOA_L
ClientSampleId :
OA1DL



Tgt Ion: 78 Resp: 21424
Ion Ratio Lower Upper
78 100
77 23.1 17.9 26.9
50 17.7 17.3 25.9

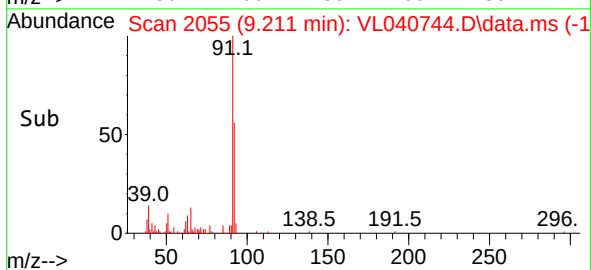
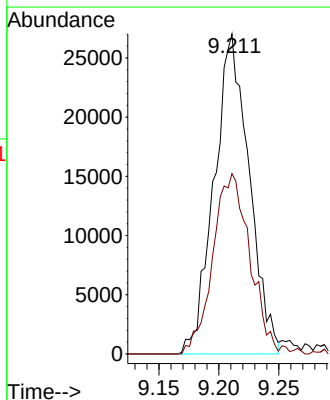
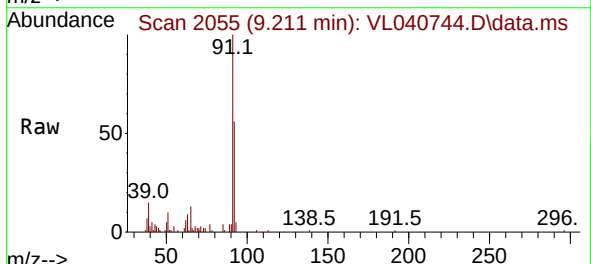
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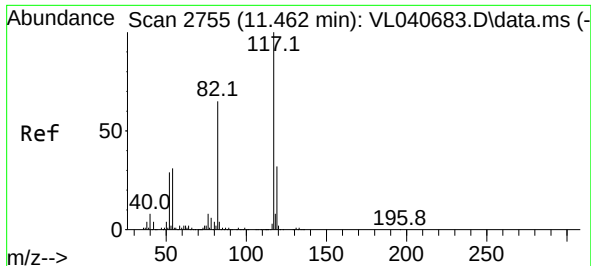
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#53
Toluene
Concen: 0.281 ppbv
RT: 9.211 min Scan# 2055
Delta R.T. -0.019 min
Lab File: VL040744.D
Acq: 4 Oct 2023 17:33

Tgt Ion: 91 Resp: 54924
Ion Ratio Lower Upper
91 100
92 59.6 48.5 72.7





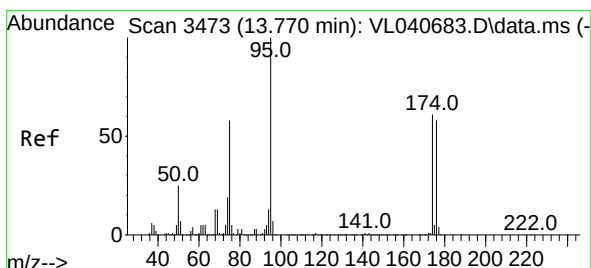
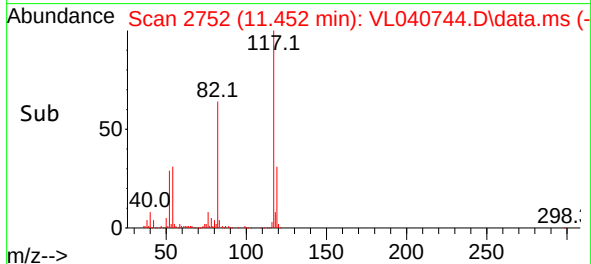
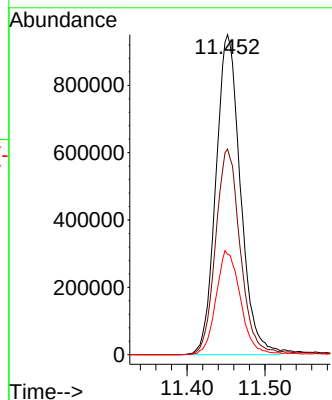
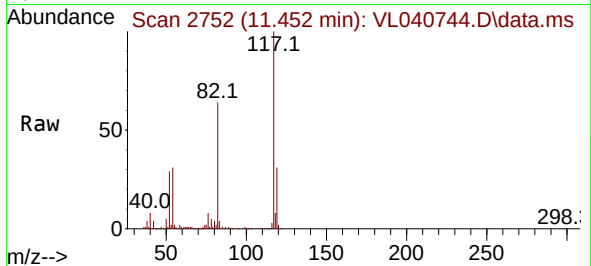
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 21
Delta R.T. -0.026 min
Lab File: VL040744.D
Acq: 4 Oct 2023 17:33

Instrument :
MSVOA_L
ClientSampleId :
OA1DL

Tgt Ion:117 Resp: 208250
Ion Ratio Lower Upper
117 100
82 65.3 51.4 77.0
119 32.7 24.7 37.1

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.540 ppbv
RT: 13.760 min Scan# 3470
Delta R.T. -0.026 min
Lab File: VL040744.D
Acq: 4 Oct 2023 17:33

Tgt Ion: 95 Resp: 1535036
Ion Ratio Lower Upper
95 100
174 64.0 48.9 73.3
175 4.5 3.5 5.3

