

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031323\
 Data File : VL040273.D
 Acq On : 13 Mar 2023 20:27
 Operator : SY/MD
 Sample : 01899-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/14/2023
 Supervised By :Mahesh Dadoda 03/15/2023

Quant Time: Mar 14 04:56:34 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

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

QLast Update : Tue Mar 14 04:52:39 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	870354	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2138997	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	1841105	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.796	95	1460418	9.646	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.500%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.726	85	71986	0.444	ppbv	91
3) Chlorodifluoromethane	2.671	51	82129m	0.790	ppbv	
4) Chloromethane	2.806	50	28952m	0.443	ppbv	
9) Propene	2.697	41	59731	1.409	ppbv #	79
11) Trichlorofluoromethane	3.562	101	35806	0.246	ppbv	94
13) Ethanol	3.234	45	2876394	737.228	ppbv	94
15) Acetone	3.465	43	769031	7.339	ppbv	98
19) Isopropyl Alcohol	3.581	45	145838m	2.928	ppbv	
20) Methylene Chloride	3.935	84	227454	4.170	ppbv	99
26) Hexane	5.217	57	130959	1.566	ppbv #	43
34) 2-Butanone	4.793	43	97067	0.920	ppbv	100
35) Carbon Tetrachloride	6.504	117	9250m	0.073	ppbv	
36) Benzene	6.378	78	46765	0.281	ppbv #	92
41) Tetrahydrofuran	5.574	42	30334m	0.496	ppbv	
53) Toluene	9.233	91	80451	0.451	ppbv	95
59) m/p-Xylene	12.368	91	22108m	0.112	ppbv	

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

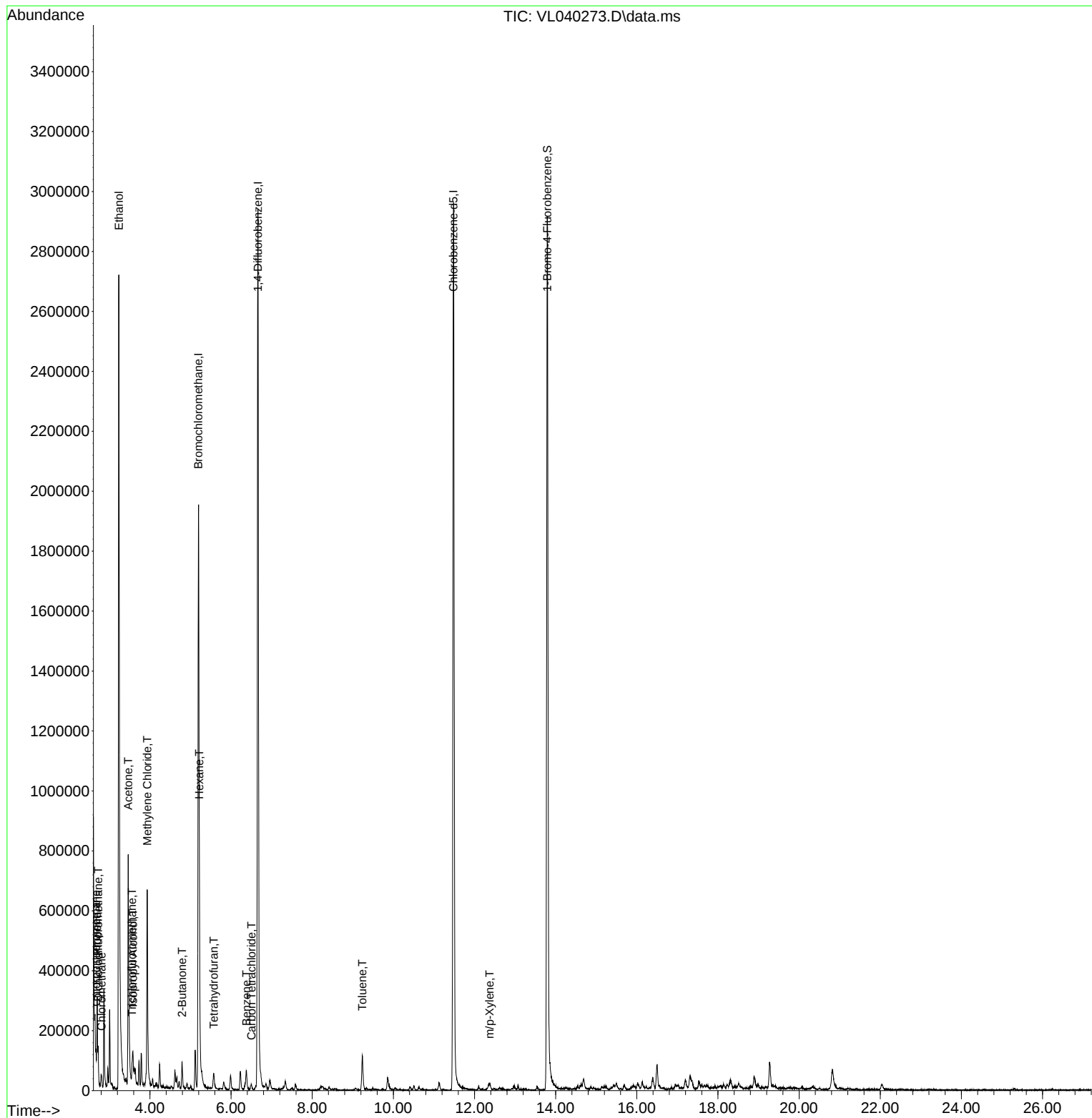
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031323\
Data File : VL040273.D
Acq On : 13 Mar 2023 20:27
Operator : SY/MD
Sample : 01899-01
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ALS Vial : 1 Sample Multiplier: 1

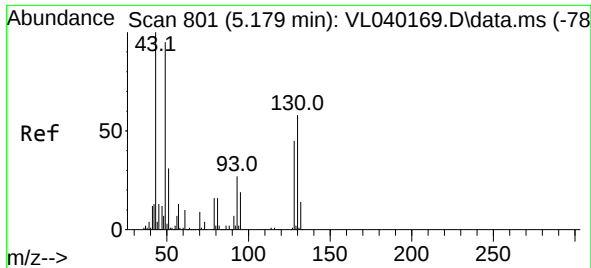
Instrument :
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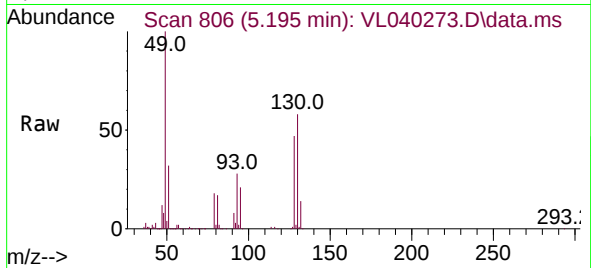
Quant Time: Mar 14 04:56:34 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Mar 14 04:52:39 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL040273.D
Acq: 13 Mar 2023 20:27

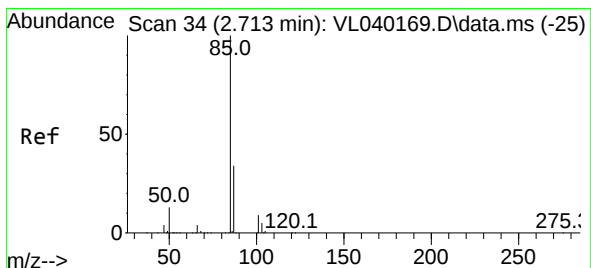
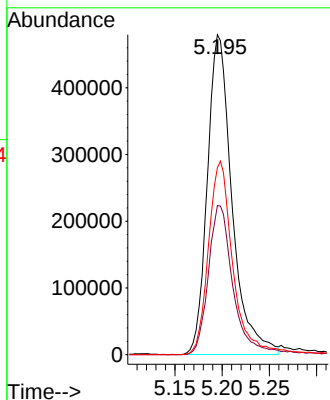
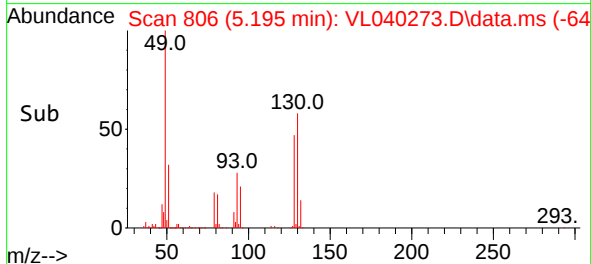
Instrument :
MSVOA_L
ClientSampleId :
IA1



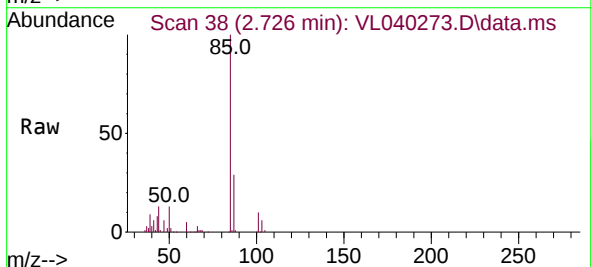
Tgt Ion: 49 Resp: 870354
Ion Ratio Lower Upper
49 100
128 48.2 24.1 72.3
130 61.7 30.9 92.8

Manual Integrations
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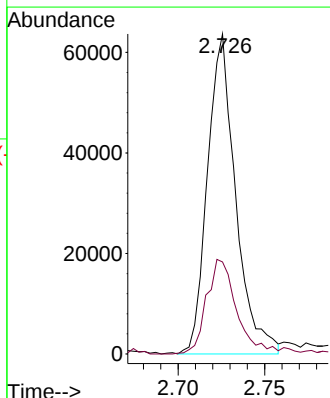
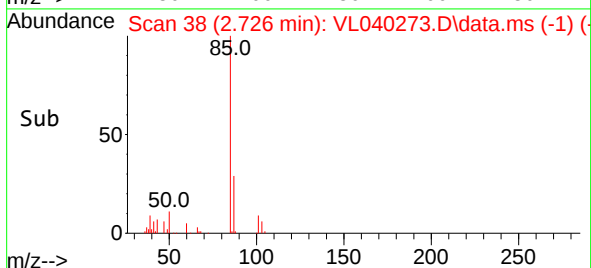
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023

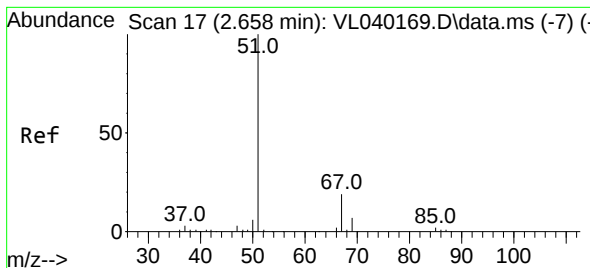


#2
Dichlorodifluoromethane
Concen: 0.444 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.013 min
Lab File: VL040273.D
Acq: 13 Mar 2023 20:27



Tgt Ion: 85 Resp: 71986
Ion Ratio Lower Upper
85 100
87 28.5 27.0 40.6





#3

Chlorodifluoromethane

Concen: 0.790 ppbv m

RT: 2.671 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL040273.D

Acq: 13 Mar 2023 20:27

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 51 Resp: 82129

Ion Ratio Lower Upper

51 100

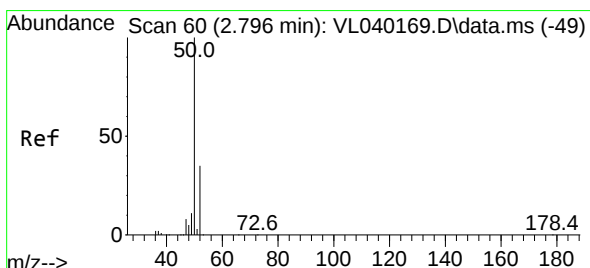
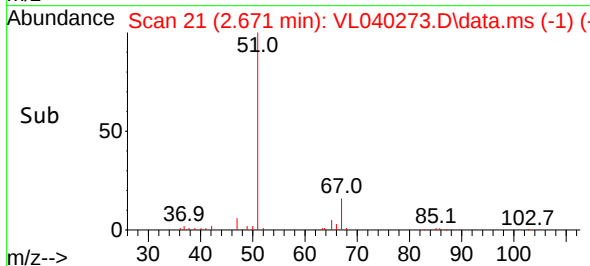
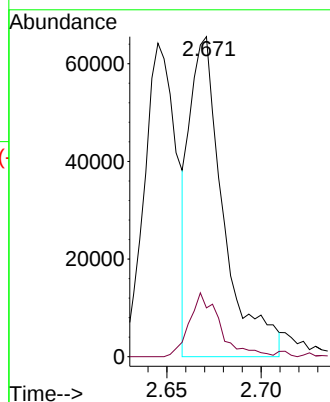
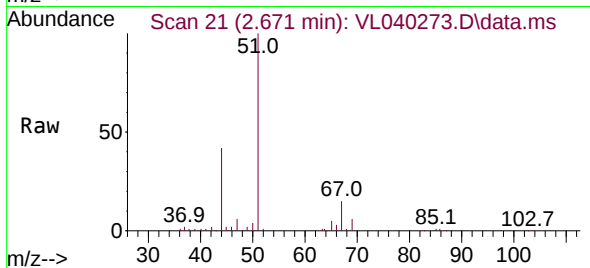
67 19.0 15.4 23.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/14/2023

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#4

Chloromethane

Concen: 0.443 ppbv m

RT: 2.806 min Scan# 63

Delta R.T. 0.006 min

Lab File: VL040273.D

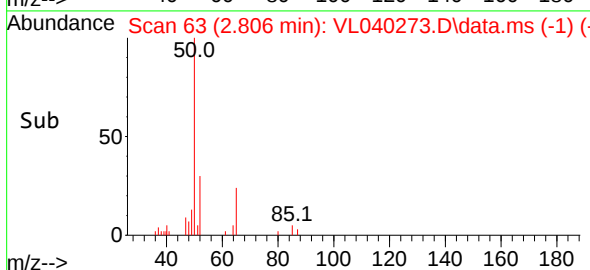
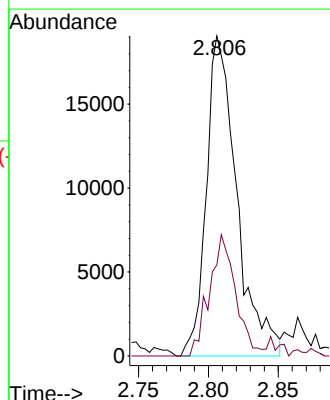
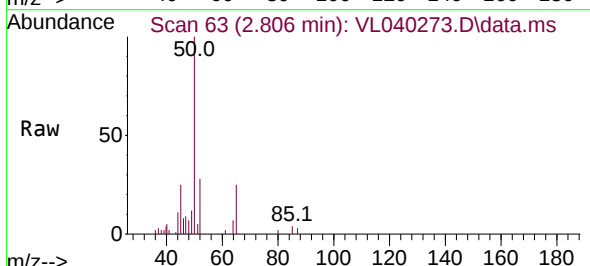
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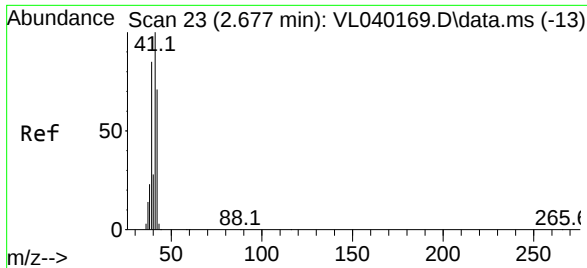
Tgt Ion: 50 Resp: 28952

Ion Ratio Lower Upper

50 100

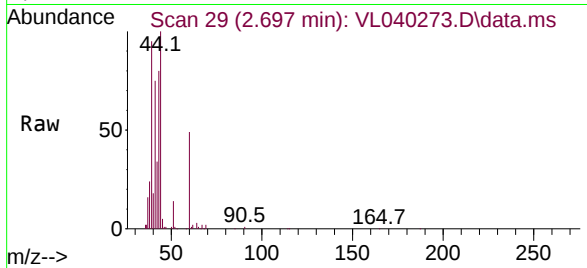
52 28.4 28.3 42.5





#9
 Propene
 Concen: 1.409 ppbv
 RT: 2.697 min Scan# 29
 Delta R.T. 0.019 min
 Lab File: VL040273.D
 Acq: 13 Mar 2023 20:27

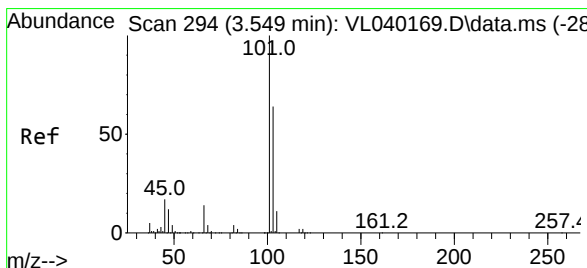
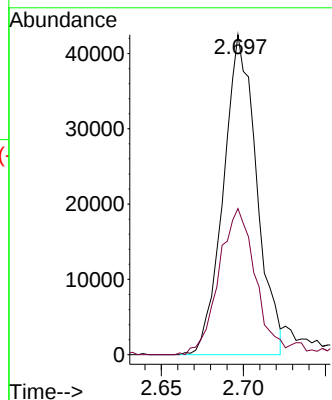
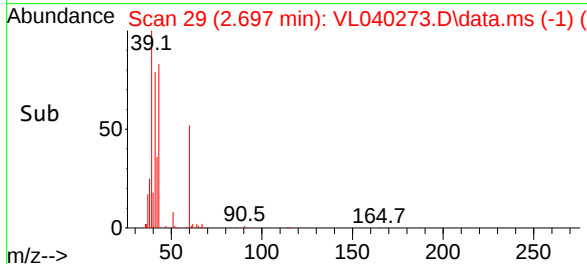
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1



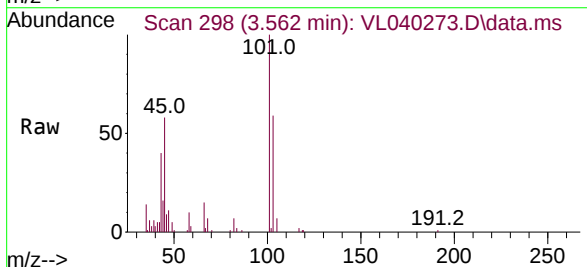
Tgt Ion: 41 Resp: 5973
 Ion Ratio Lower Upper
 41 100
 42 54.1 56.9 85.3

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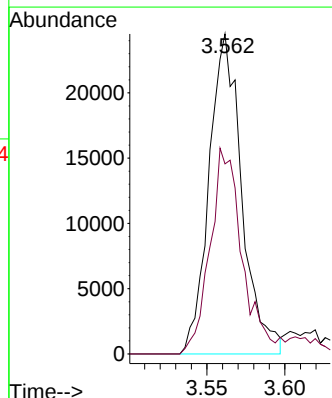
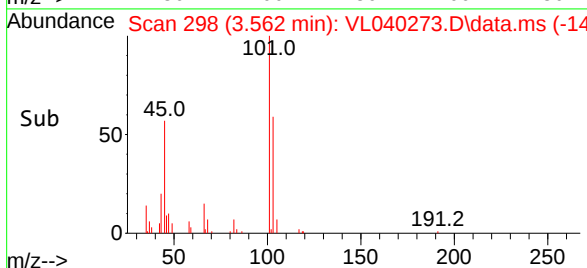
Reviewed By :Semsettin Yesilyurt 03/14/2023
 Supervised By :Mahesh Dadoda 03/15/2023

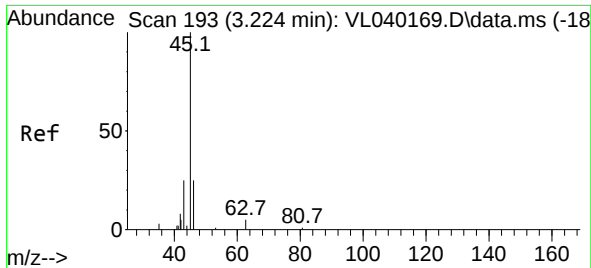


#11
 Trichlorofluoromethane
 Concen: 0.246 ppbv
 RT: 3.562 min Scan# 298
 Delta R.T. 0.010 min
 Lab File: VL040273.D
 Acq: 13 Mar 2023 20:27



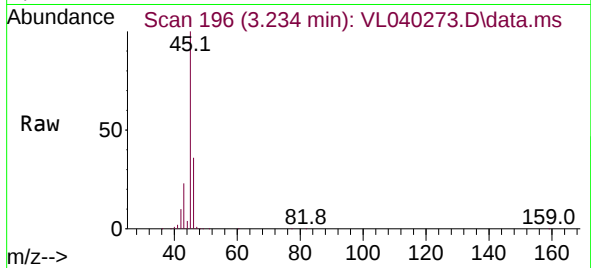
Tgt Ion:101 Resp: 35806
 Ion Ratio Lower Upper
 101 100
 103 59.4 51.0 76.6





#13
Ethanol
Concen: 737.228 ppbv
RT: 3.234 min Scan# 193
Delta R.T. 0.003 min
Lab File: VL040273.D
Acq: 13 Mar 2023 20:27

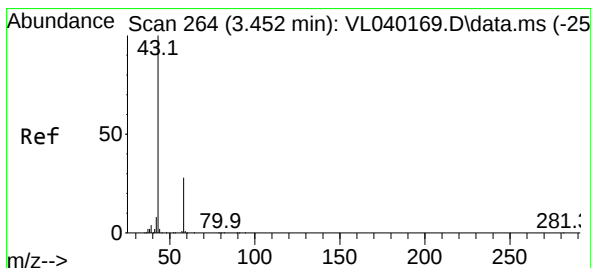
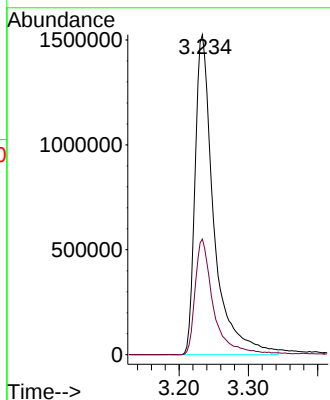
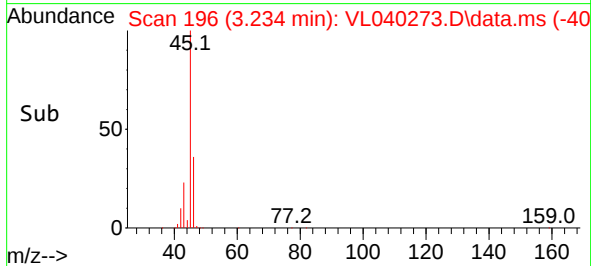
Instrument :
MSVOA_L
ClientSampleId :
IA1



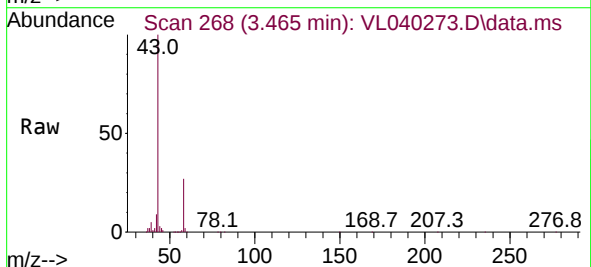
Tgt Ion: 45 Resp: 2876394
Ion Ratio Lower Upper
45 100
46 36.4 13.3 53.1

Manual Integrations
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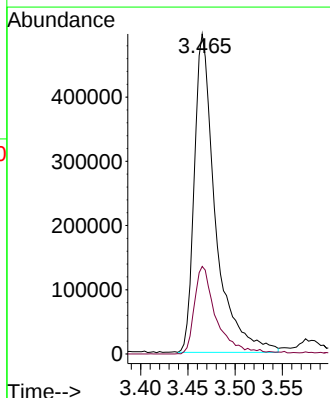
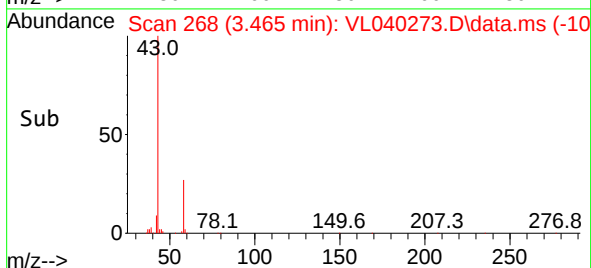
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023

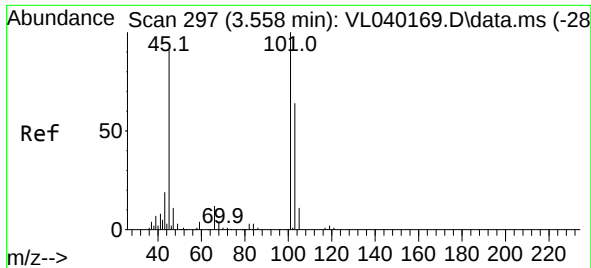


#15
Acetone
Concen: 7.339 ppbv
RT: 3.465 min Scan# 268
Delta R.T. 0.010 min
Lab File: VL040273.D
Acq: 13 Mar 2023 20:27



Tgt Ion: 43 Resp: 769031
Ion Ratio Lower Upper
43 100
58 28.9 22.4 33.6





#19

Isopropyl Alcohol

Concen: 2.928 ppbv m

RT: 3.581 min Scan# 304

Delta R.T. 0.019 min

Lab File: VL040273.D

Acq: 13 Mar 2023 20:27

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 45 Resp: 145838

Ion Ratio Lower Upper

45 100

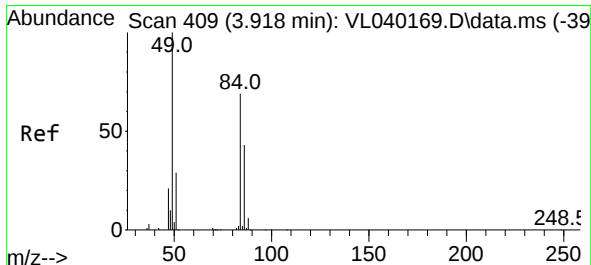
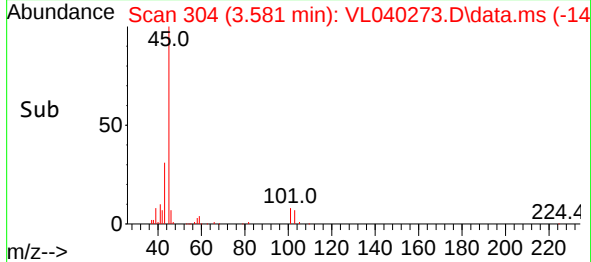
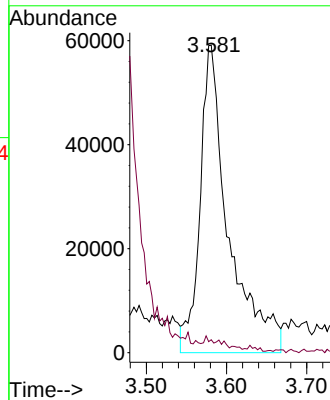
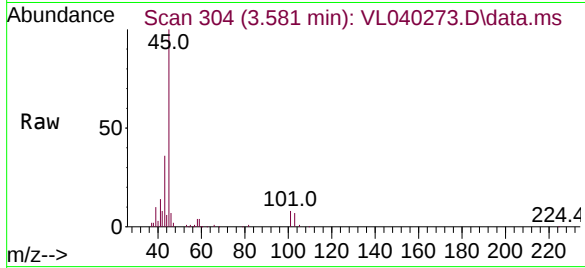
58 5.0 2.6 3.8

Manual Integrations

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Supervised By :Mahesh Dadoda 03/15/2023



#20

Methylene Chloride

Concen: 4.170 ppbv

RT: 3.935 min Scan# 414

Delta R.T. 0.013 min

Lab File: VL040273.D

Acq: 13 Mar 2023 20:27

Tgt Ion: 84 Resp: 227454

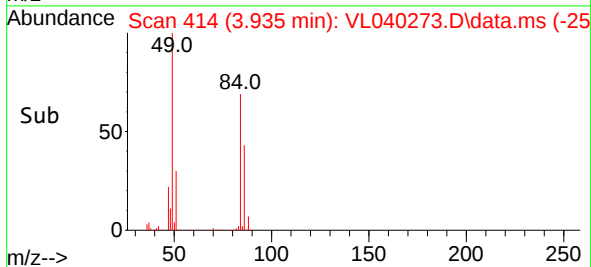
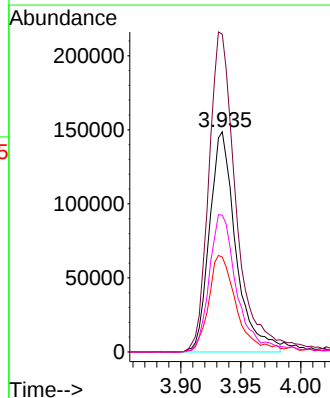
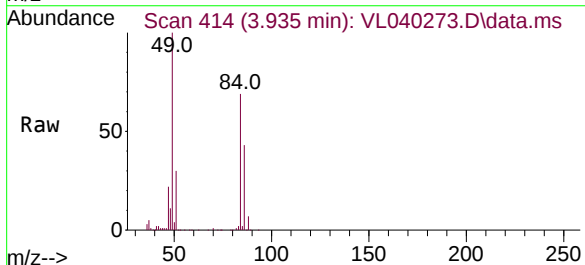
Ion Ratio Lower Upper

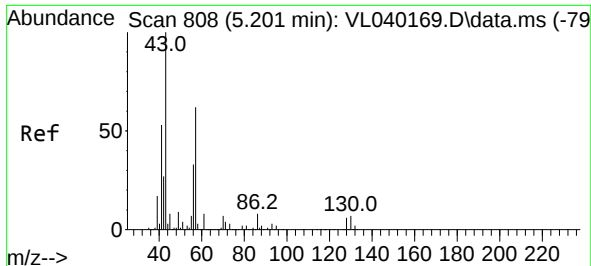
84 100

49 144.2 115.5 173.3

51 43.0 33.1 49.7

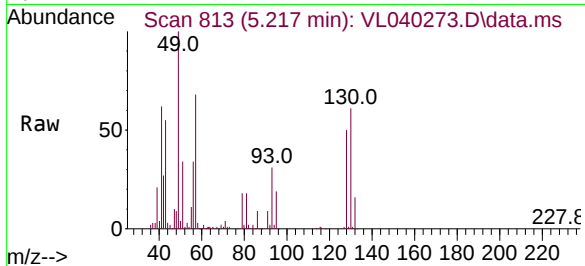
86 62.2 50.2 75.2





#26
Hexane
Concen: 1.566 ppbv
RT: 5.217 min Scan# 813
Delta R.T. 0.010 min
Lab File: VL040273.D
Acq: 13 Mar 2023 20:27

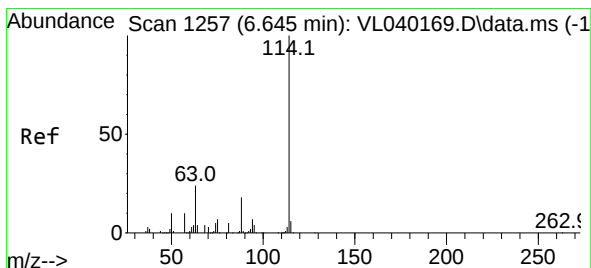
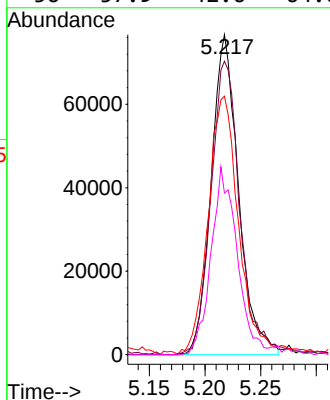
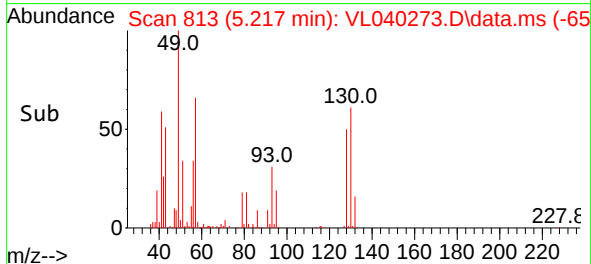
Instrument :
MSVOA_L
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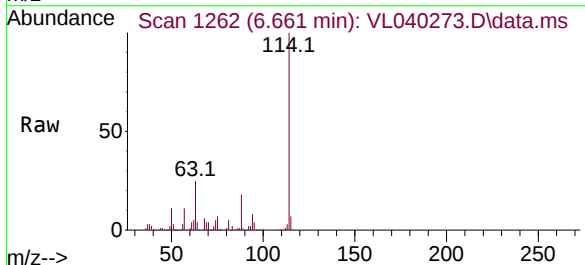
Tgt Ion: 57 Resp: 130959
Ion Ratio Lower Upper
57 100
41 98.4 74.3 111.5
43 91.6 193.0 289.4
56 57.9 42.6 64.0

Manual Integrations
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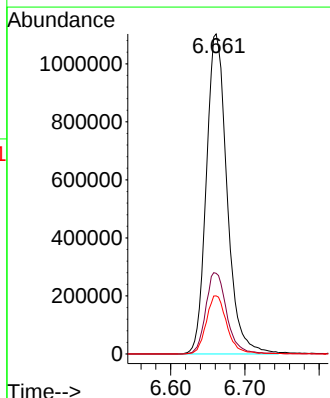
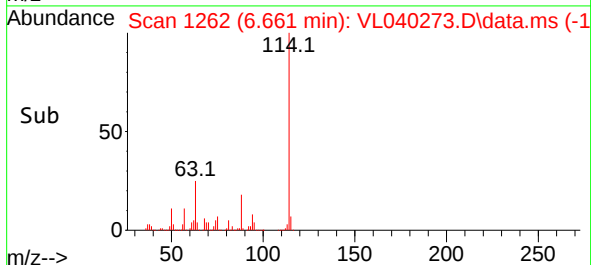
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023

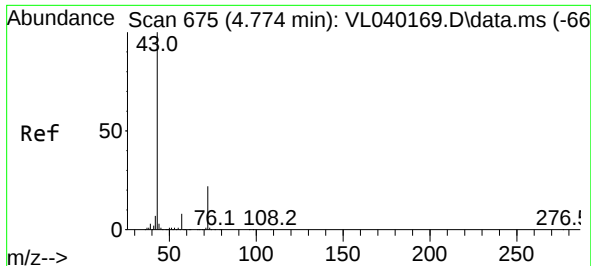


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.661 min Scan# 1262
Delta R.T. 0.006 min
Lab File: VL040273.D
Acq: 13 Mar 2023 20:27



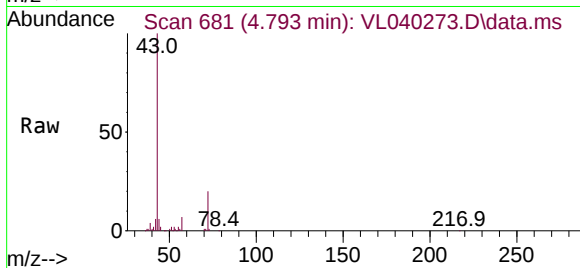
Tgt Ion:114 Resp: 2138997
Ion Ratio Lower Upper
114 100
63 25.9 20.4 30.6
88 18.2 14.3 21.5





#34
2-Butanone
Concen: 0.920 ppbv
RT: 4.793 min Scan# 61
Delta R.T. 0.016 min
Lab File: VL040273.D
Acq: 13 Mar 2023 20:27

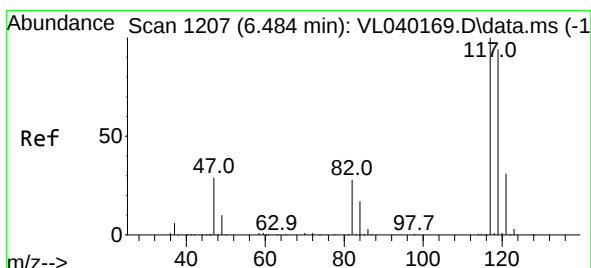
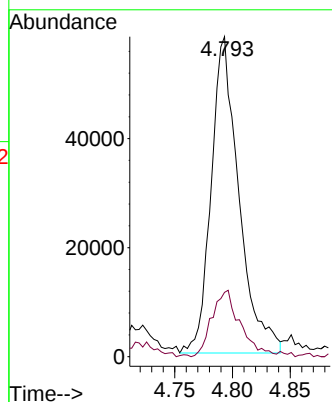
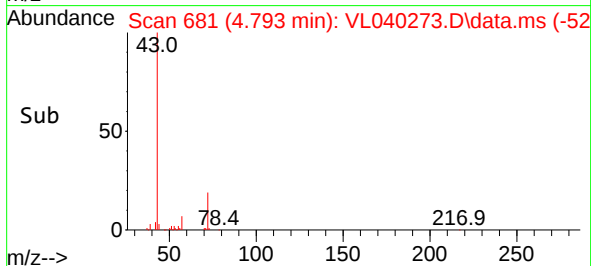
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 9706
Ion Ratio Lower Upper
43 100
72 22.4 17.8 26.8

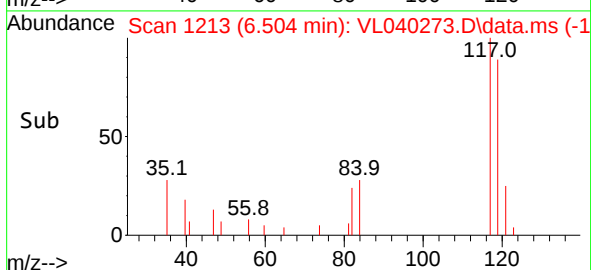
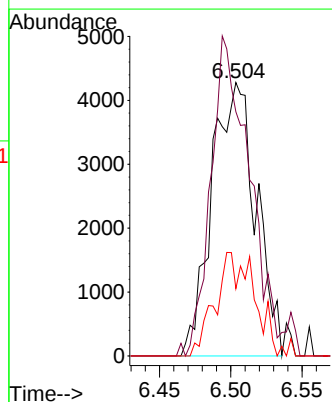
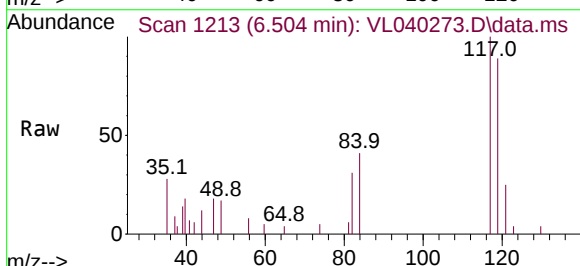
Manual Integrations
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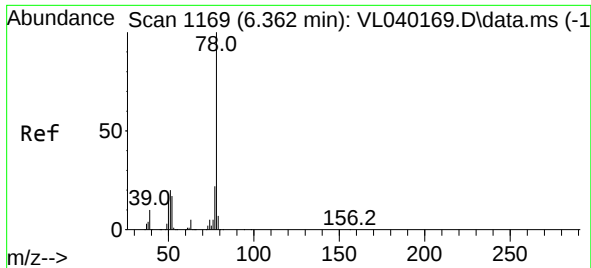
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#35
Carbon Tetrachloride
Concen: 0.073 ppbv m
RT: 6.504 min Scan# 1213
Delta R.T. 0.013 min
Lab File: VL040273.D
Acq: 13 Mar 2023 20:27

Tgt Ion:117 Resp: 9250
Ion Ratio Lower Upper
117 100
119 89.3 75.0 112.6
121 24.6 25.0 37.4#





#36

Benzene

Concen: 0.281 ppbv

RT: 6.378 min Scan# 1169

Delta R.T. 0.010 min

Lab File: VL040273.D

Acq: 13 Mar 2023 20:27

Instrument :

MSVOA_L

ClientSampleId :

IA1

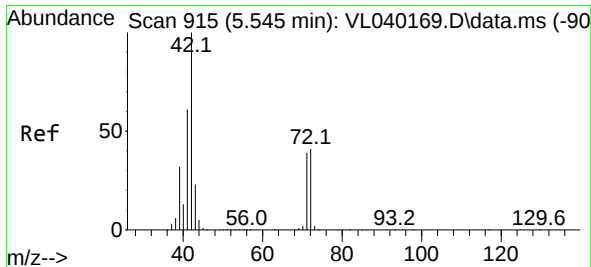
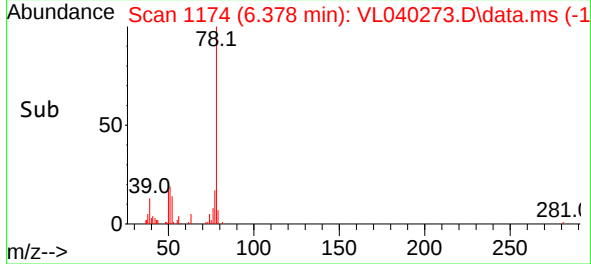
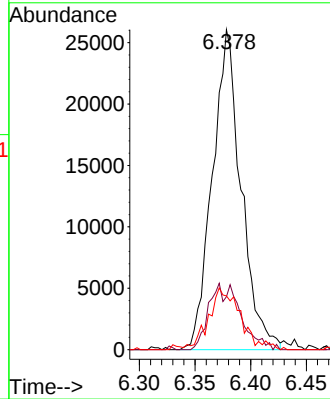
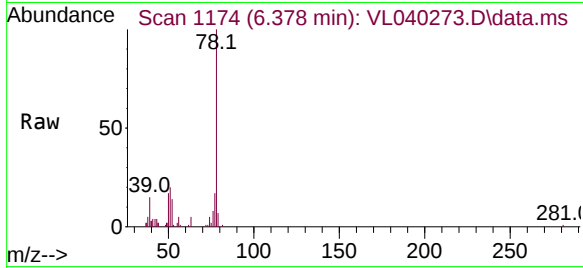
Tgt Ion: 78 Resp: 4676

Ion	Ratio	Lower	Upper
78	100		
77	16.6	17.5	26.3
50	16.8	14.6	22.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#41

Tetrahydrofuran

Concen: 0.496 ppbv m

RT: 5.574 min Scan# 924

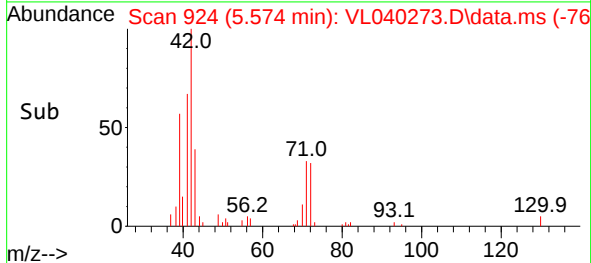
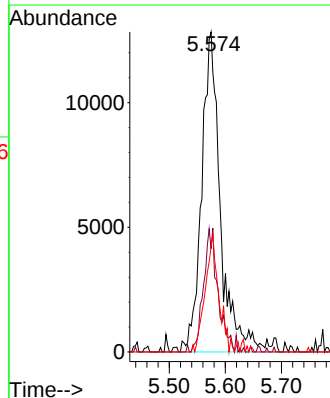
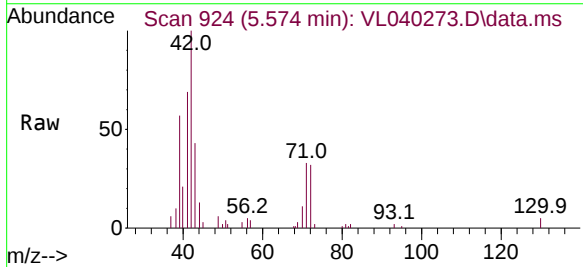
Delta R.T. 0.022 min

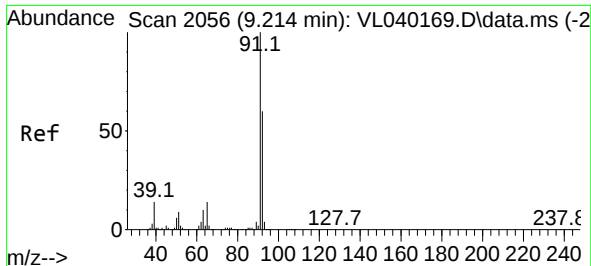
Lab File: VL040273.D

Acq: 13 Mar 2023 20:27

Tgt Ion: 42 Resp: 30334

Ion	Ratio	Lower	Upper
42	100		
72	29.8	33.0	49.4#
71	26.1	31.4	47.2#





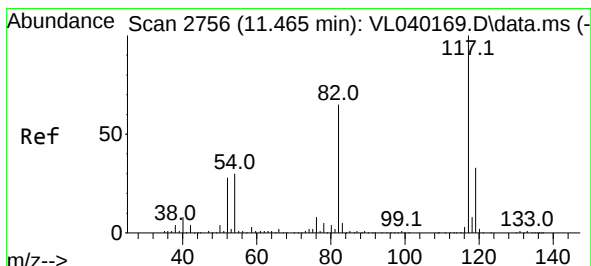
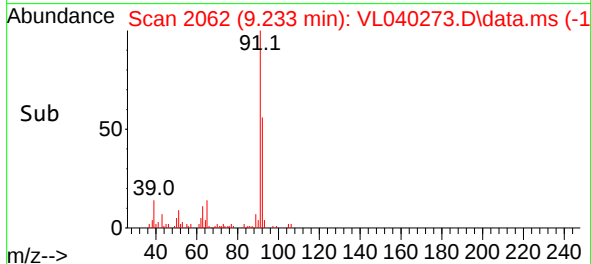
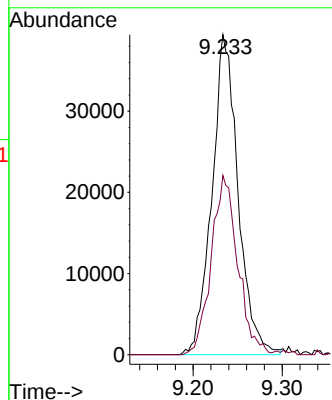
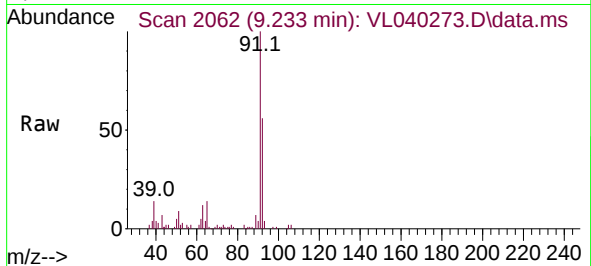
#53
Toluene
Concen: 0.451 ppbv
RT: 9.233 min Scan# 2056
Delta R.T. 0.010 min
Lab File: VL040273.D
Acq: 13 Mar 2023 20:27

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 8045
Ion Ratio Lower Upper
91 100
92 57.4 48.9 73.3

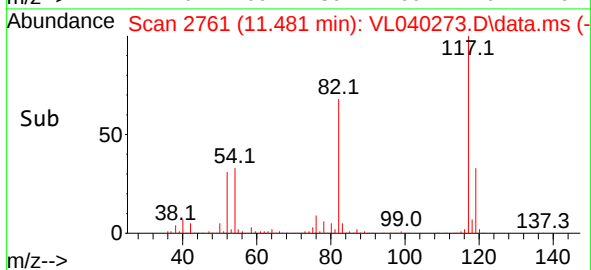
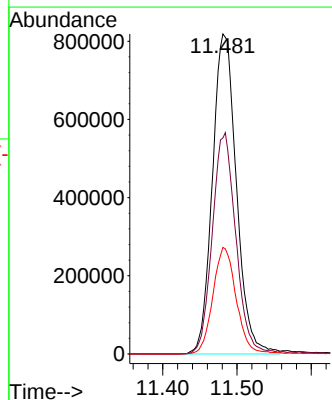
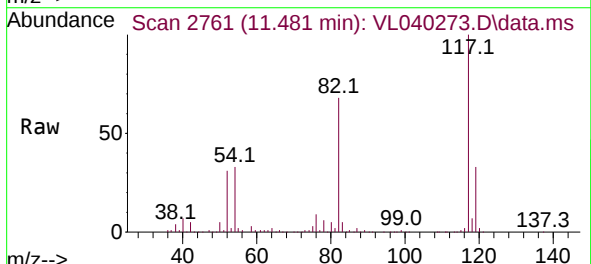
Manual Integrations
APPROVED

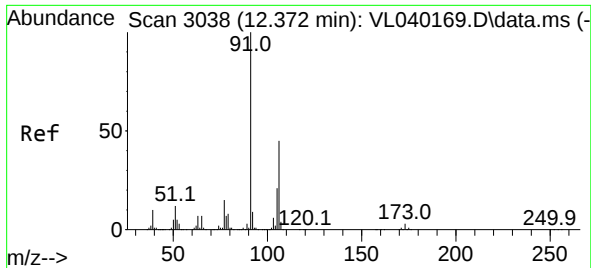
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 2761
Delta R.T. 0.006 min
Lab File: VL040273.D
Acq: 13 Mar 2023 20:27

Tgt Ion:117 Resp: 1841105
Ion Ratio Lower Upper
117 100
82 68.8 53.3 79.9
119 32.8 24.6 37.0





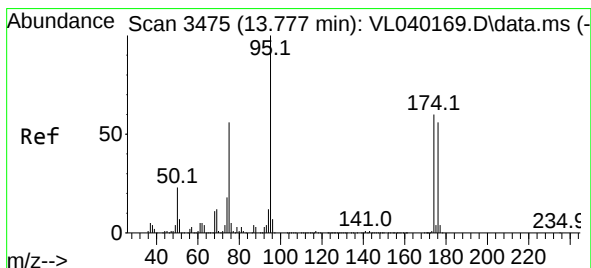
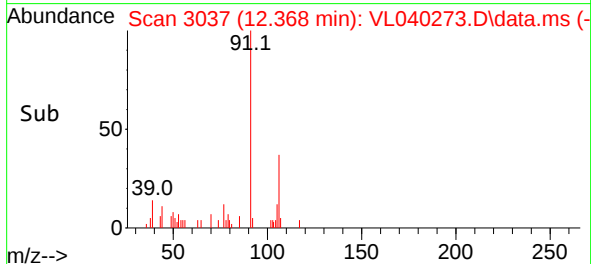
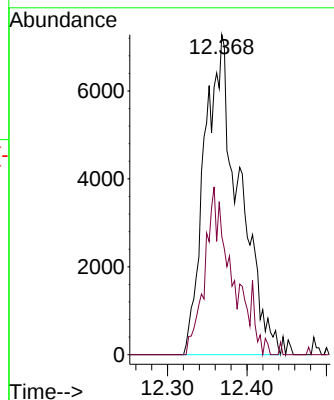
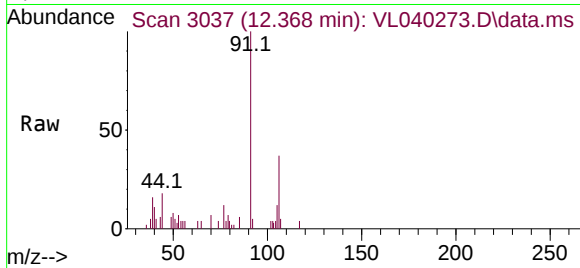
#59
m/p-Xylene
Concen: 0.112 ppbv m
RT: 12.368 min Scan# 3037
Delta R.T. -0.013 min
Lab File: VL040273.D
Acq: 13 Mar 2023 20:27

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 22108
Ion Ratio Lower Upper
91 100
106 0.0 34.6 51.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.646 ppbv
RT: 13.796 min Scan# 3481
Delta R.T. 0.013 min
Lab File: VL040273.D
Acq: 13 Mar 2023 20:27

Tgt Ion: 95 Resp: 1460418
Ion Ratio Lower Upper
95 100
174 57.7 48.2 72.2
175 4.2 3.4 5.2

