

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031323\
 Data File : VL040272.D
 Acq On : 13 Mar 2023 19:47
 Operator : SY/MD
 Sample : 01897-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BASEMENT-REAR

Manual Integrations
 APPROVED

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

Quant Time: Mar 14 04:56:13 2023

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri 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	811449	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2043347	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	1802598	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.796	95	1501858	10.132	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.300%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.722	85	76106	0.503	ppbv	98
3) Chlorodifluoromethane	2.668	51	38933m	0.402	ppbv	
4) Chloromethane	2.806	50	26911	0.442	ppbv	99
9) Propene	2.697	41	33166m	0.839	ppbv	
11) Trichlorofluoromethane	3.558	101	31235	0.230	ppbv	86
13) Ethanol	3.230	45	293739	80.751	ppbv	93
15) Acetone	3.462	43	852205	8.723	ppbv	99
17) tert-Butyl alcohol	3.893	59	15402m	0.173	ppbv	
19) Isopropyl Alcohol	3.578	45	40080	0.863	ppbv #	1
20) Methylene Chloride	3.931	84	59270	1.165	ppbv	94
26) Hexane	5.214	57	48034	0.616	ppbv #	55
34) 2-Butanone	4.790	43	252581	2.506	ppbv	100
35) Carbon Tetrachloride	6.500	117	10125m	0.084	ppbv	
36) Benzene	6.372	78	21377	0.134	ppbv #	93
41) Tetrahydrofuran	5.571	42	60961	1.044	ppbv	96
52) Tetrachloroethene	10.635	164	1817m	0.037	ppbv	
53) Toluene	9.230	91	797115	4.680	ppbv	99
58) Ethyl Benzene	12.105	91	971099	4.434	ppbv	95
59) m/p-Xylene	12.359	91	2465975	12.712	ppbv	97
60) o-Xylene	13.076	91	393267	2.107	ppbv	98

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

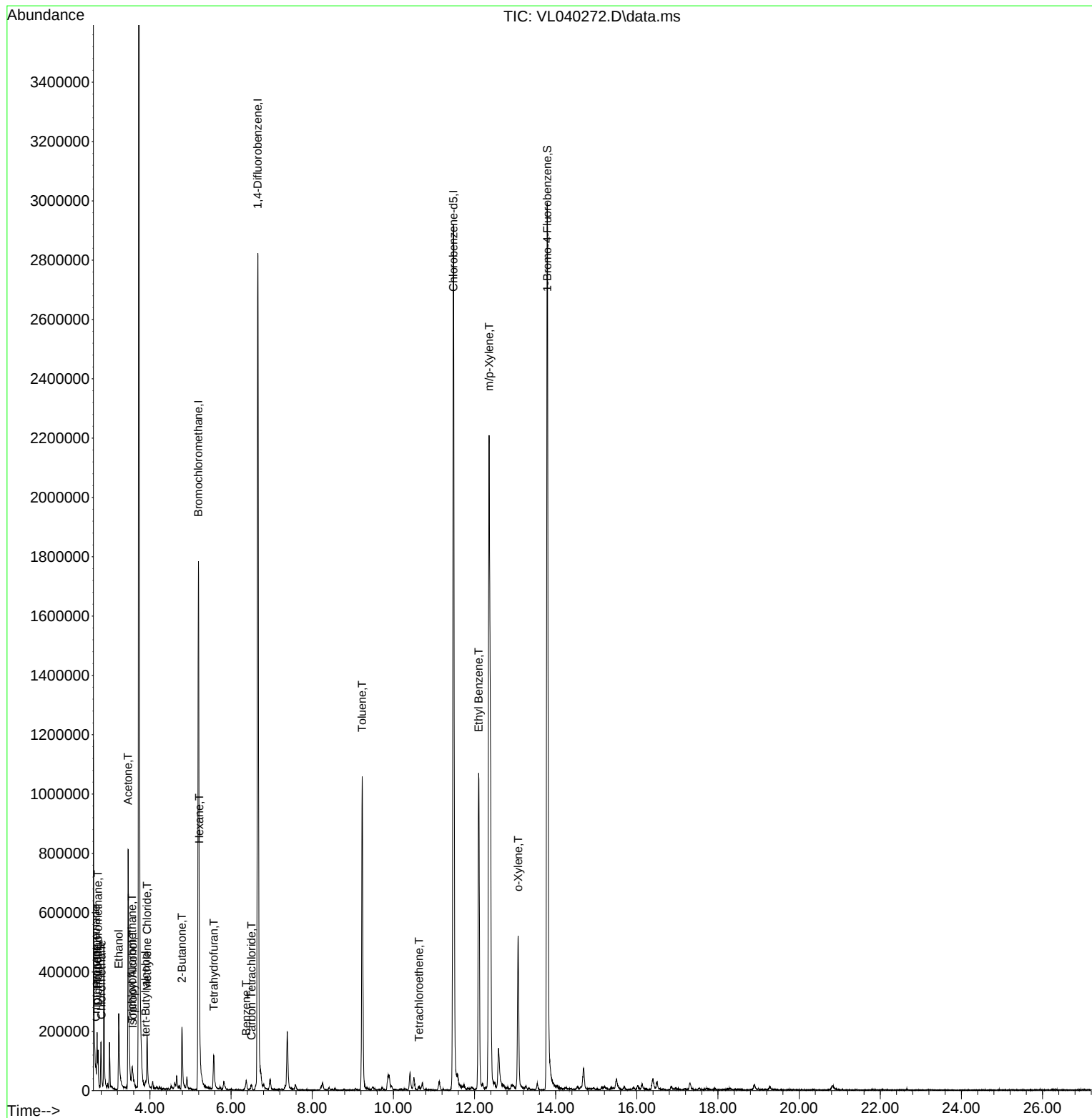
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Data File : VL040272.D
Acq On : 13 Mar 2023 19:47
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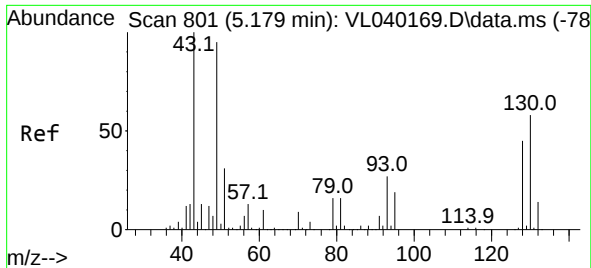
Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-REAR

Quant Time: Mar 14 04:56:13 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

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.195 min Scan# 80

Delta R.T. 0.006 min

Lab File: VL040272.D

Acq: 13 Mar 2023 19:47

Instrument :

MSVOA_L

ClientSampleId :

BASEMENT-REAR

Tgt Ion: 49 Resp: 811449

Ion Ratio Lower Upper

49 100

128 49.1 24.1 72.3

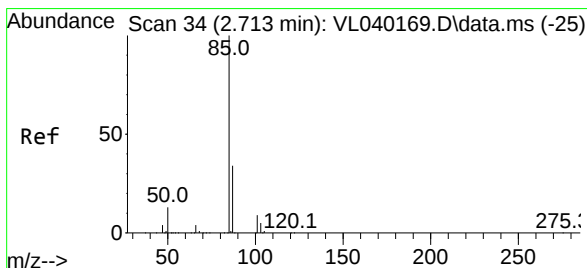
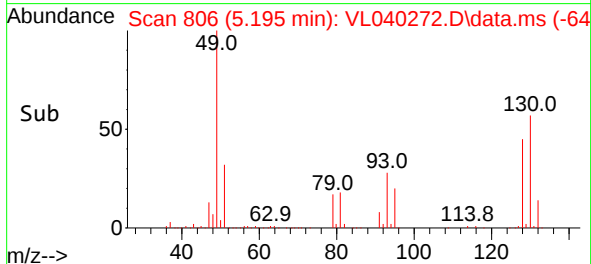
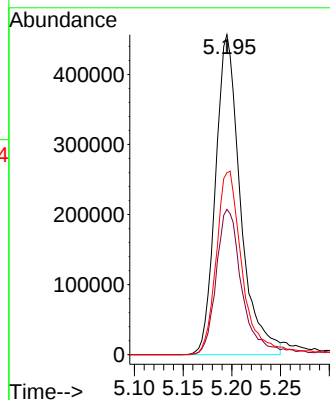
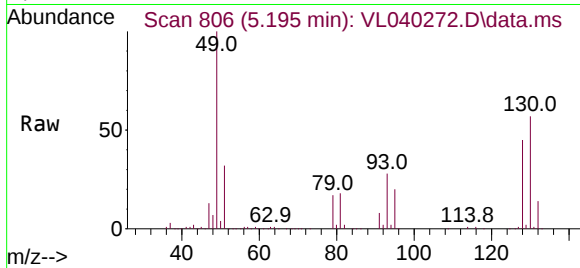
130 62.1 30.9 92.8

Manual Integrations

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Supervised By :Mahesh Dadoda 03/15/2023



#2

Dichlorodifluoromethane

Concen: 0.503 ppbv

RT: 2.722 min Scan# 37

Delta R.T. 0.010 min

Lab File: VL040272.D

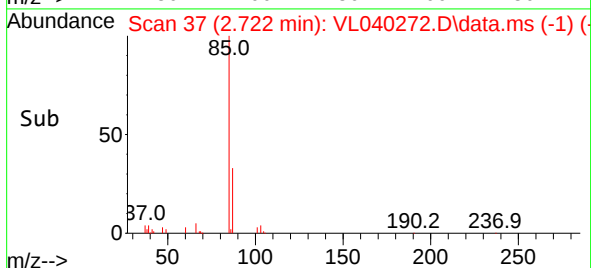
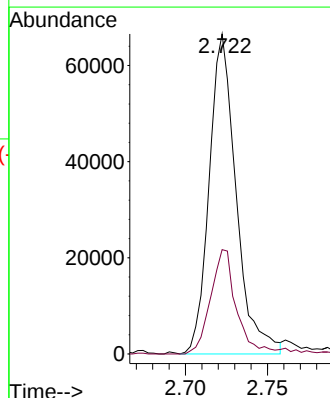
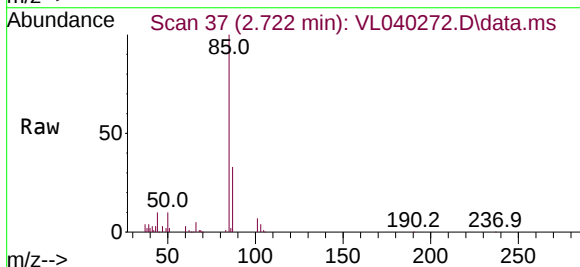
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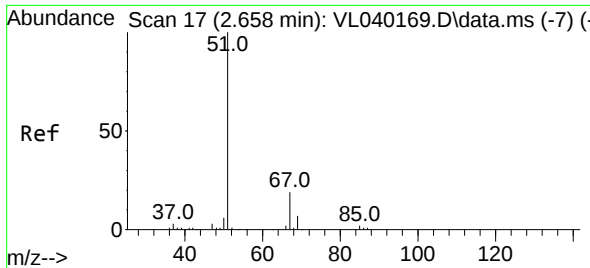
Tgt Ion: 85 Resp: 76106

Ion Ratio Lower Upper

85 100

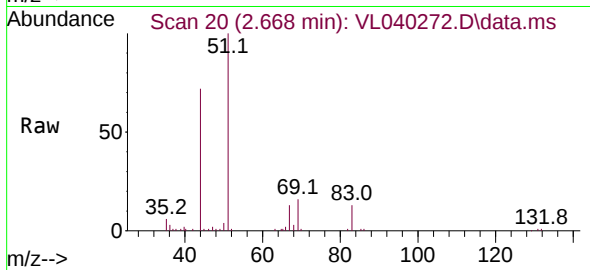
87 32.6 27.0 40.6





#3
Chlorodifluoromethane
Concen: 0.402 ppbv m
RT: 2.668 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

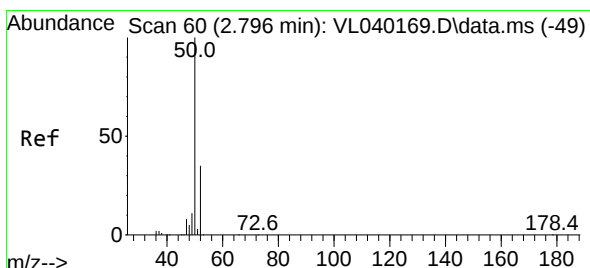
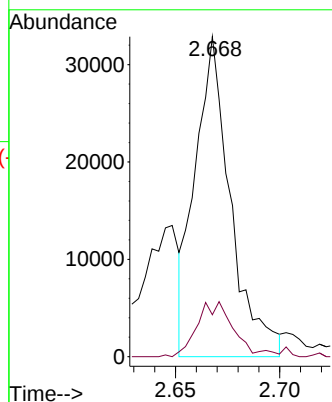
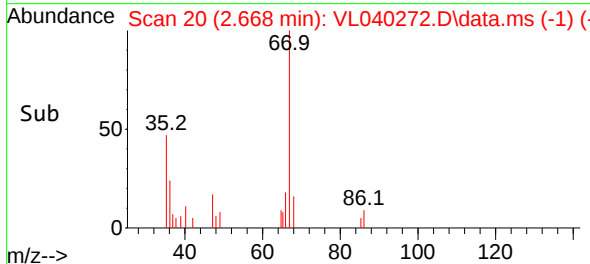
Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-REAR



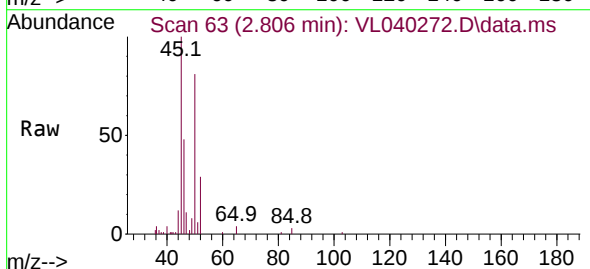
Tgt Ion: 51 Resp: 3893
Ion Ratio Lower Upper
51 100
67 18.7 15.4 23.2

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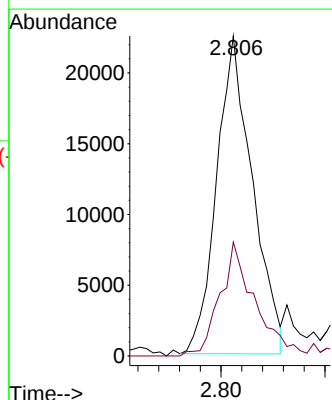
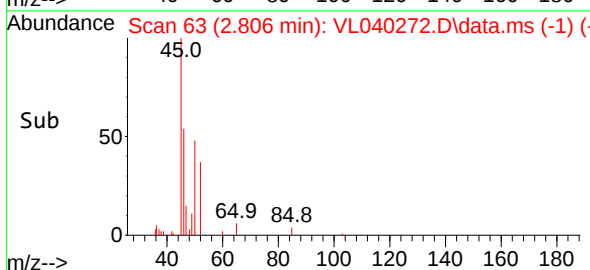
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023

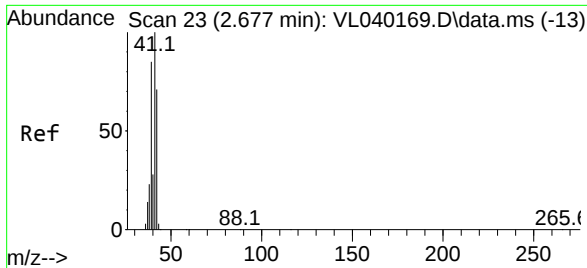


#4
Chloromethane
Concen: 0.442 ppbv
RT: 2.806 min Scan# 63
Delta R.T. 0.006 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47



Tgt Ion: 50 Resp: 26911
Ion Ratio Lower Upper
50 100
52 35.9 28.3 42.5





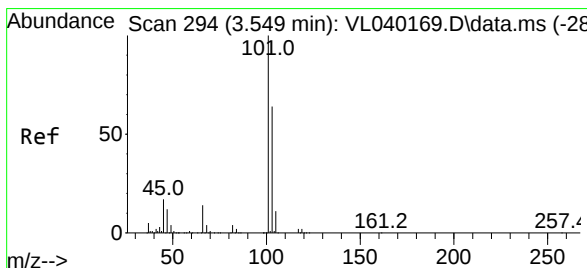
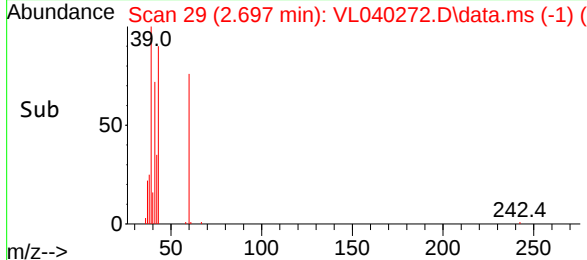
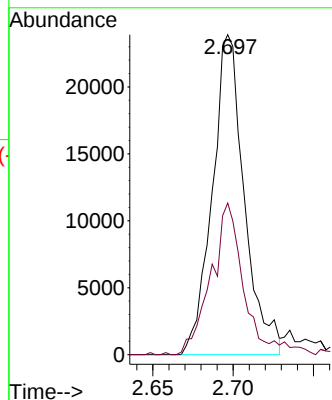
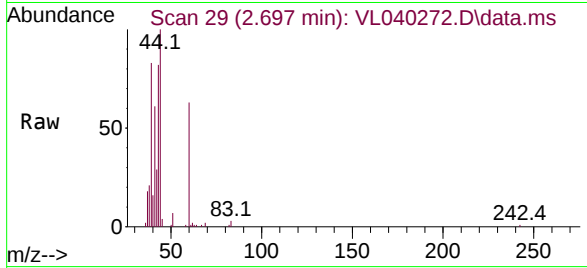
#9
Propene
Concen: 0.839 ppbv m
RT: 2.697 min Scan# 29
Delta R.T. 0.019 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-REAR

Tgt Ion: 41 Resp: 3316
Ion Ratio Lower Upper
41 100
42 262.4 56.9 85.3

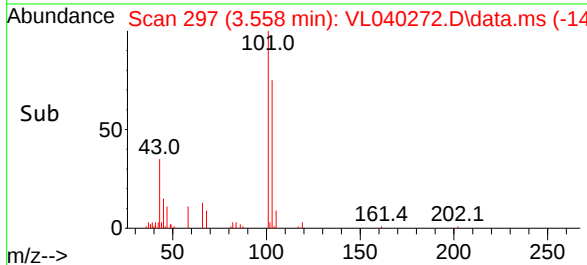
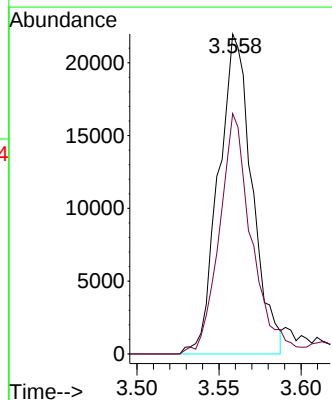
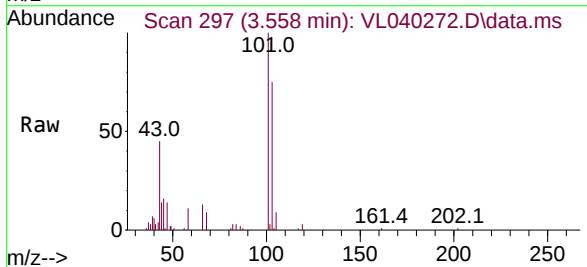
Manual Integrations
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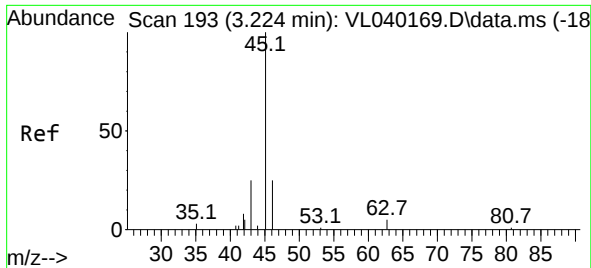
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#11
Trichlorofluoromethane
Concen: 0.230 ppbv
RT: 3.558 min Scan# 297
Delta R.T. 0.006 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

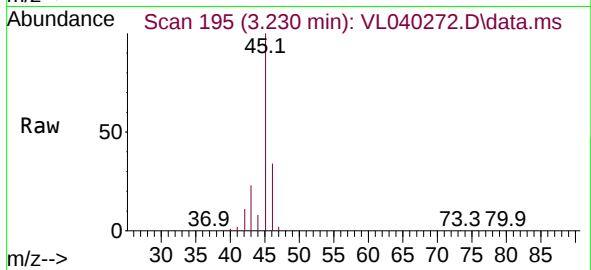
Tgt Ion:101 Resp: 31235
Ion Ratio Lower Upper
101 100
103 75.1 51.0 76.6





#13
Ethanol
Concen: 80.751 ppbv
RT: 3.230 min Scan# 195
Delta R.T. -0.000 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

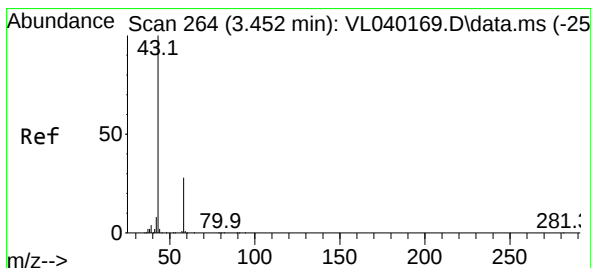
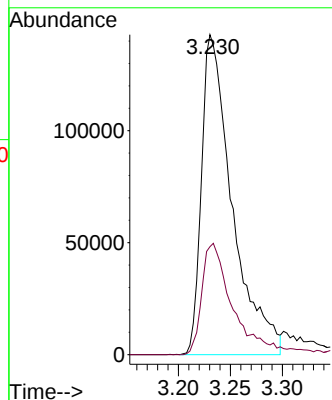
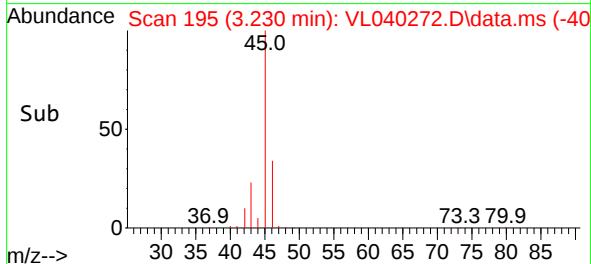
Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-REAR



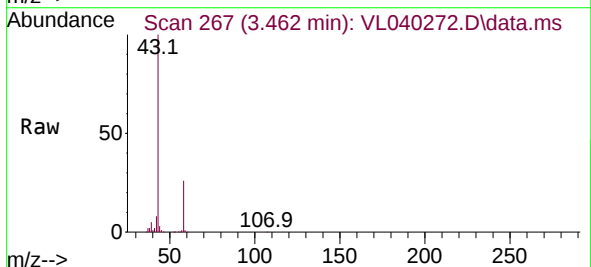
Tgt Ion: 45 Resp: 293739
Ion Ratio Lower Upper
45 100
46 37.0 13.3 53.1

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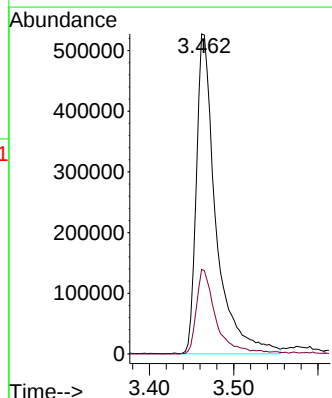
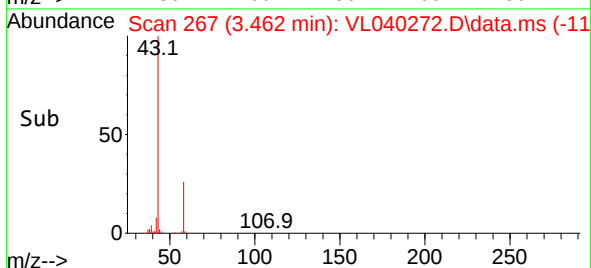
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023

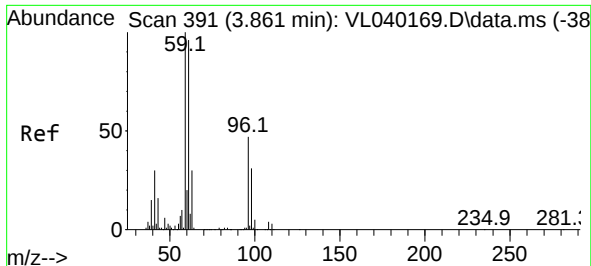


#15
Acetone
Concen: 8.723 ppbv
RT: 3.462 min Scan# 267
Delta R.T. 0.006 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47



Tgt Ion: 43 Resp: 852205
Ion Ratio Lower Upper
43 100
58 27.4 22.4 33.6





#17

tert-Butyl alcohol

Concen: 0.173 ppbv m

RT: 3.893 min Scan# 401

Delta R.T. 0.026 min

Lab File: VL040272.D

Acq: 13 Mar 2023 19:47

Instrument :

MSVOA_L

ClientSampleId :

BASEMENT-REAR

Tgt Ion: 59 Resp: 1540

Ion Ratio Lower Upper

59 100

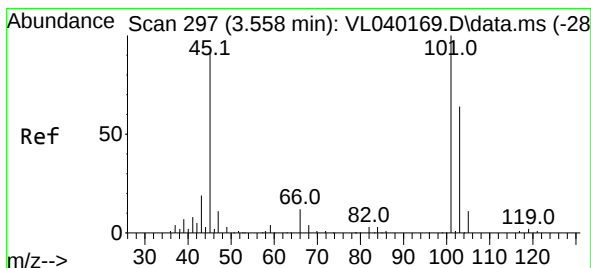
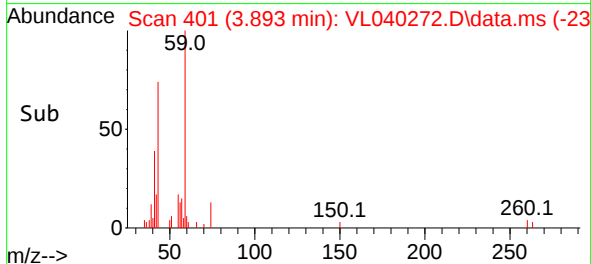
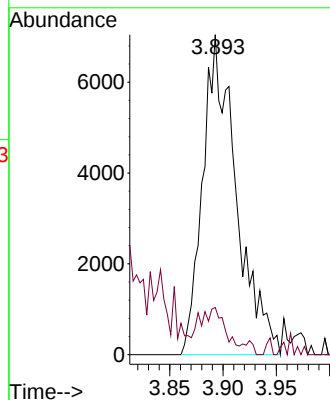
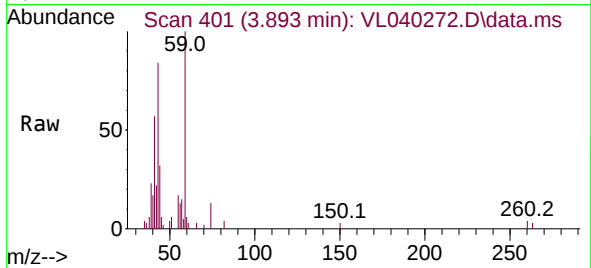
57 0.0 8.5 12.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/14/2023

Supervised By :Mahesh Dadoda 03/15/2023



#19

Isopropyl Alcohol

Concen: 0.863 ppbv

RT: 3.578 min Scan# 303

Delta R.T. 0.016 min

Lab File: VL040272.D

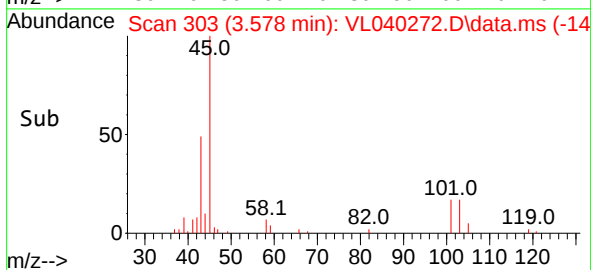
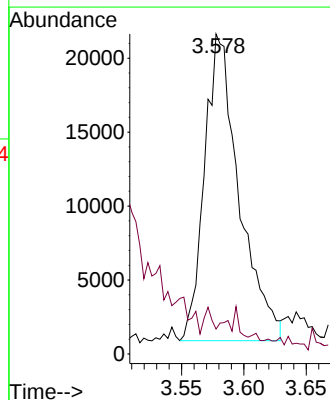
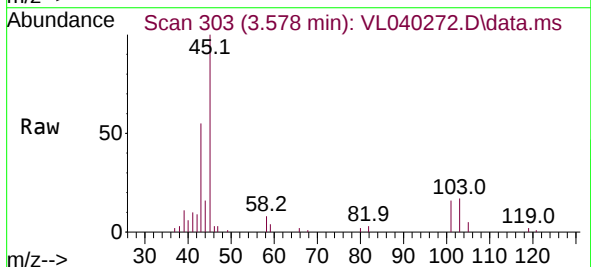
Acq: 13 Mar 2023 19:47

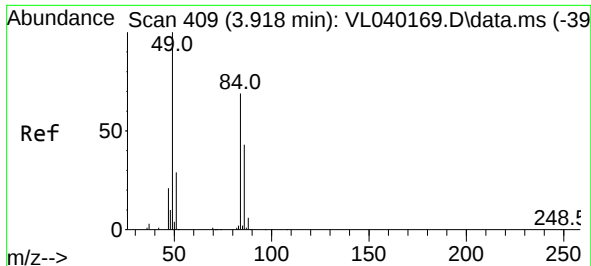
Tgt Ion: 45 Resp: 40080

Ion Ratio Lower Upper

45 100

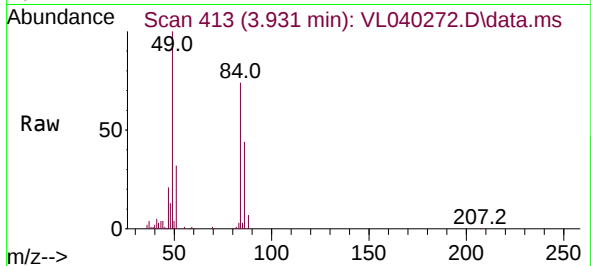
58 583.7 2.6 3.8





#20
Methylene Chloride
Concen: 1.165 ppbv
RT: 3.931 min Scan# 413
Delta R.T. 0.010 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-REAR

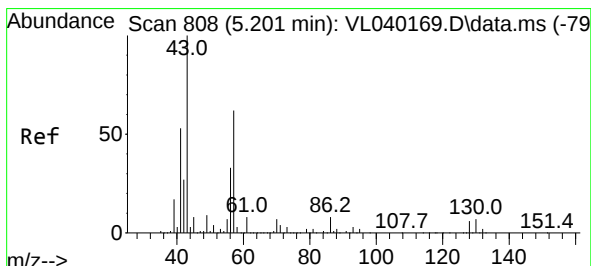
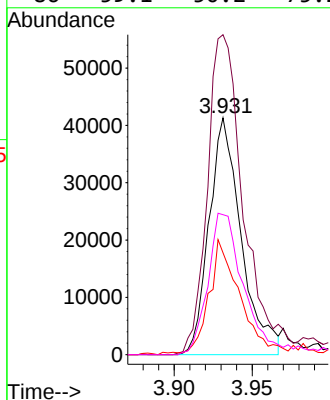
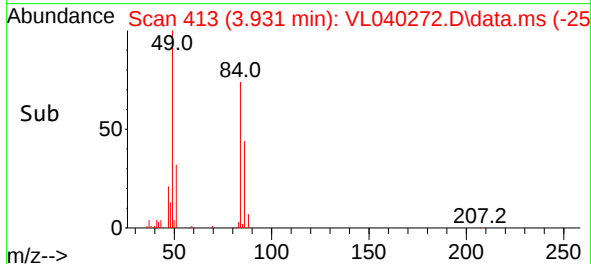


Tgt Ion: 84 Resp: 59270

Ion	Ratio	Lower	Upper
84	100		
49	134.5	115.5	173.3
51	42.2	33.1	49.7
86	59.1	50.2	75.2

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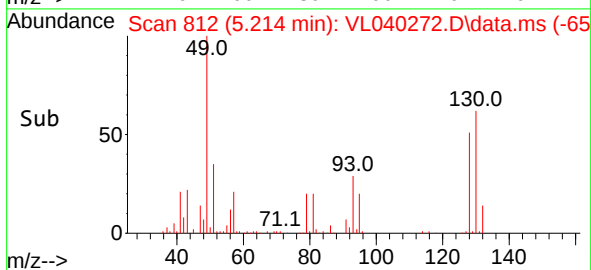
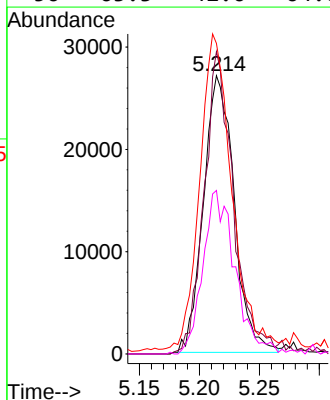
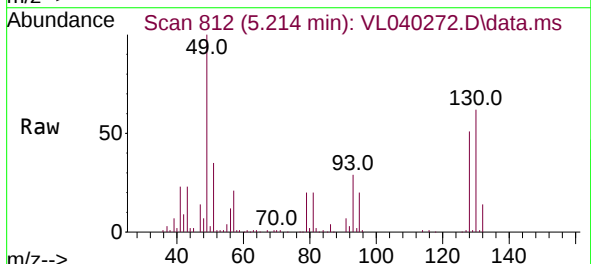
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023

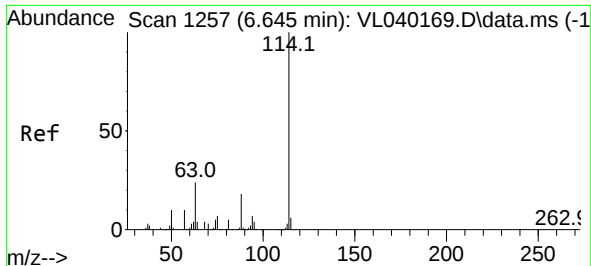


#26
Hexane
Concen: 0.616 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.006 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

Tgt Ion: 57 Resp: 48034

Ion	Ratio	Lower	Upper
57	100		
41	107.1	74.3	111.5
43	132.7	193.0	289.4#
56	63.3	42.6	64.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040272.D

Acq: 13 Mar 2023 19:47

Instrument :

MSVOA_L

ClientSampleId :

BASEMENT-REAR

Tgt Ion:114 Resp: 204334

Ion Ratio Lower Upper

114 100

63 26.2 20.4 30.6

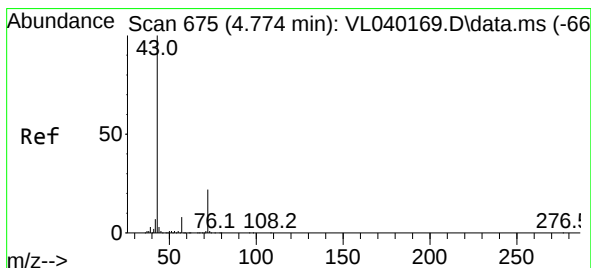
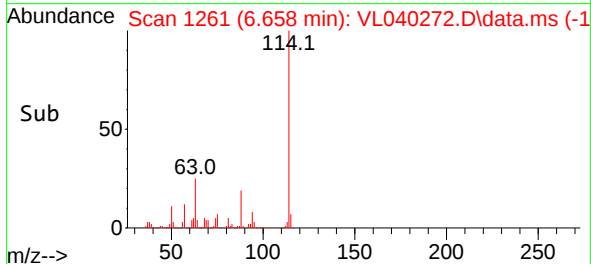
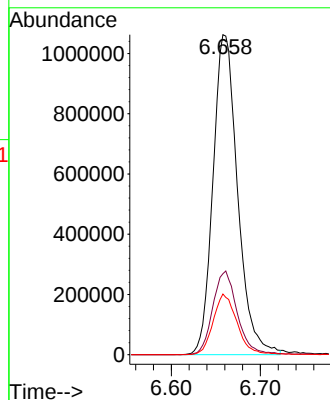
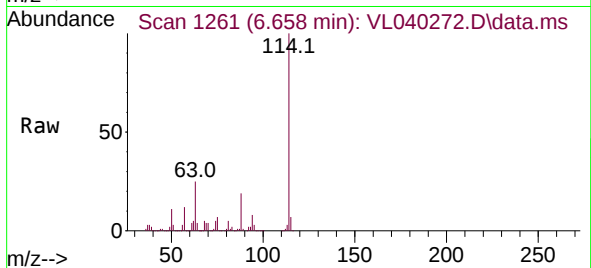
88 18.5 14.3 21.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/14/2023

Supervised By :Mahesh Dadoda 03/15/2023



#34

2-Butanone

Concen: 2.506 ppbv

RT: 4.790 min Scan# 680

Delta R.T. 0.013 min

Lab File: VL040272.D

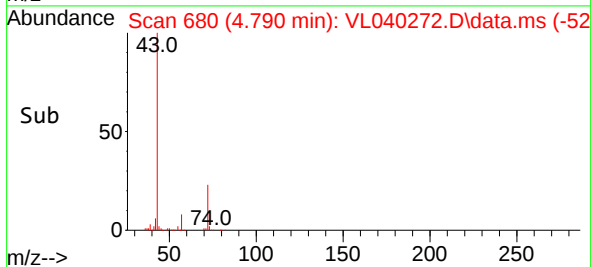
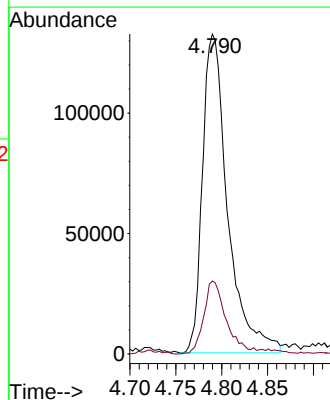
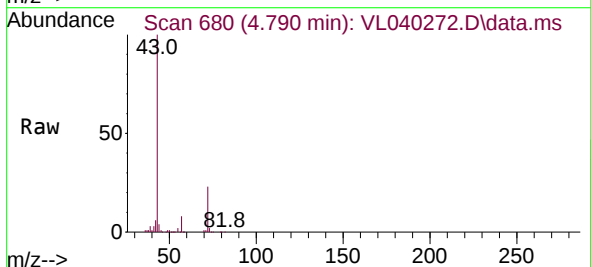
Acq: 13 Mar 2023 19:47

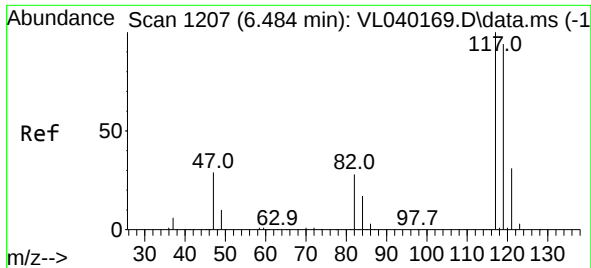
Tgt Ion: 43 Resp: 252581

Ion Ratio Lower Upper

43 100

72 22.4 17.8 26.8





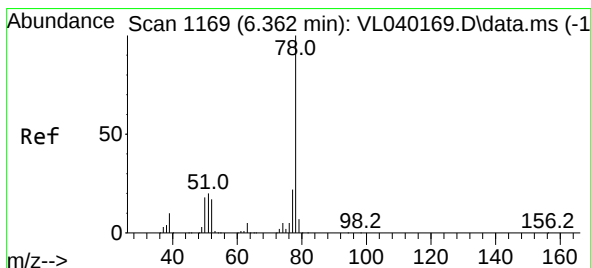
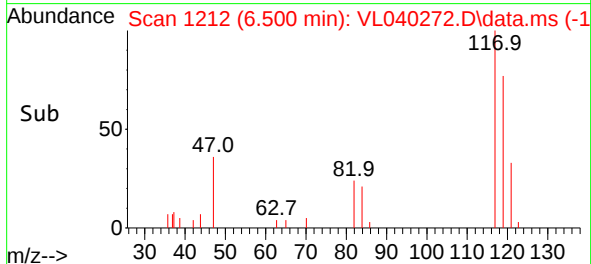
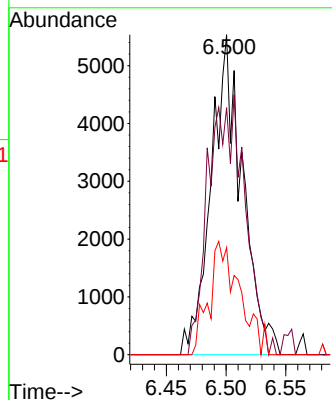
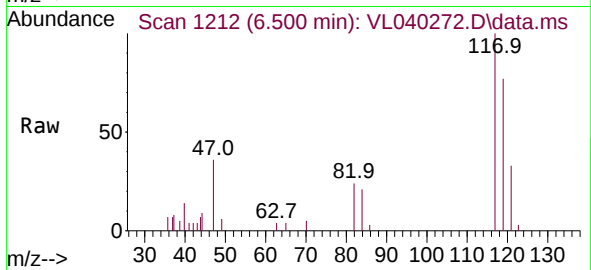
#35
Carbon Tetrachloride
Concen: 0.084 ppbv m
RT: 6.500 min Scan# 1172
Delta R.T. 0.010 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-REAR

Tgt Ion: 117 Resp: 1012
Ion Ratio Lower Upper
117 100
119 77.2 75.0 112.6
121 33.5 25.0 37.4

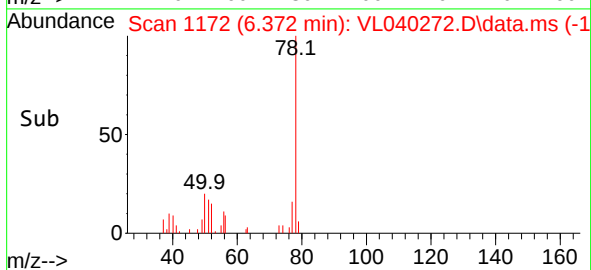
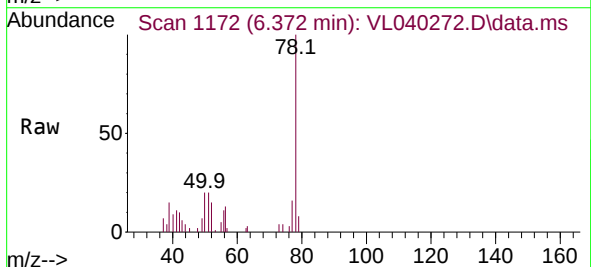
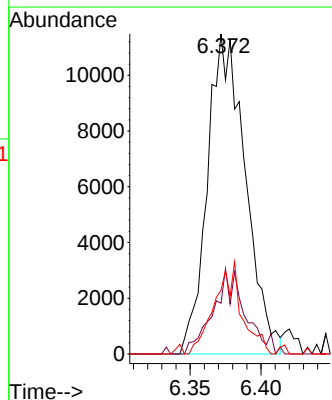
Manual Integrations
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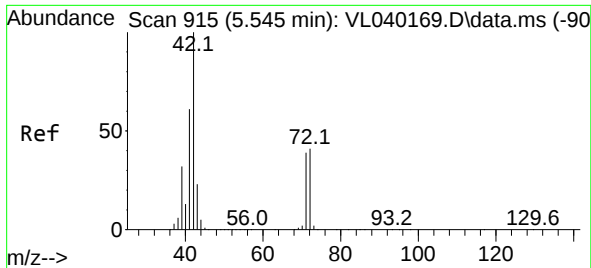
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#36
Benzene
Concen: 0.134 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. 0.003 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

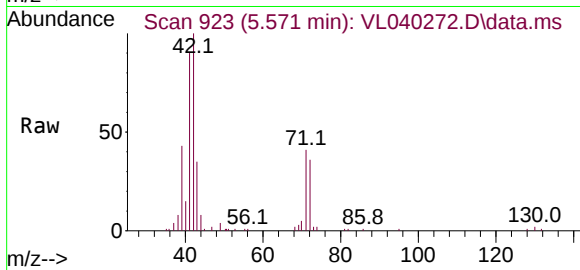
Tgt Ion: 78 Resp: 21377
Ion Ratio Lower Upper
78 100
77 15.9 17.5 26.3#
50 17.8 14.6 22.0





#41
Tetrahydrofuran
Concen: 1.044 ppbv
RT: 5.571 min Scan# 915
Delta R.T. 0.019 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

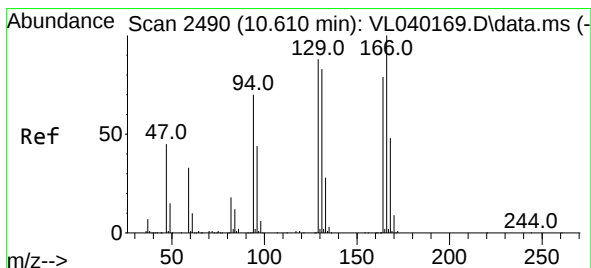
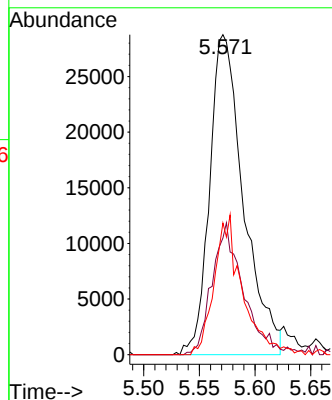
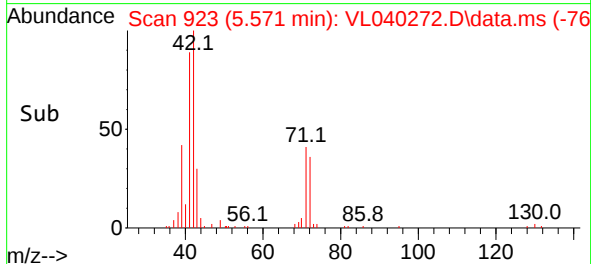
Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-REAR



Tgt Ion: 42 Resp: 6096
Ion Ratio Lower Upper
42 100
72 38.9 33.0 49.4
71 36.3 31.4 47.2

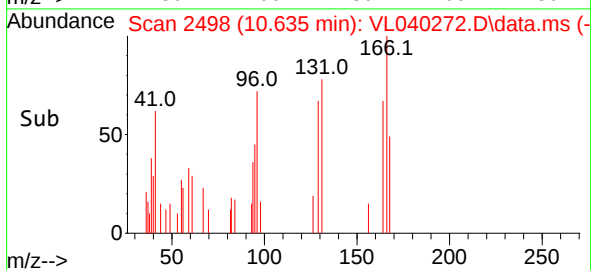
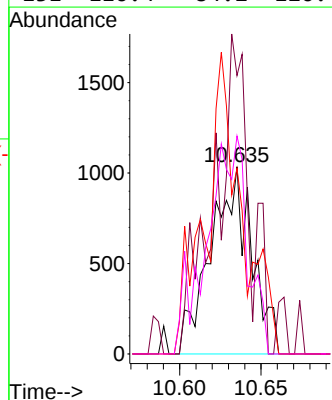
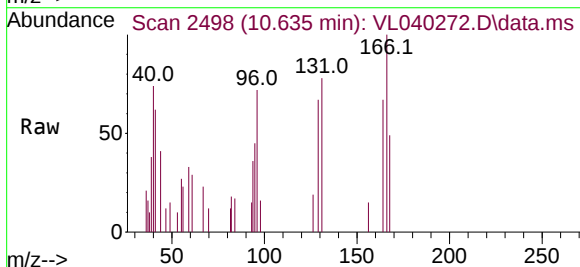
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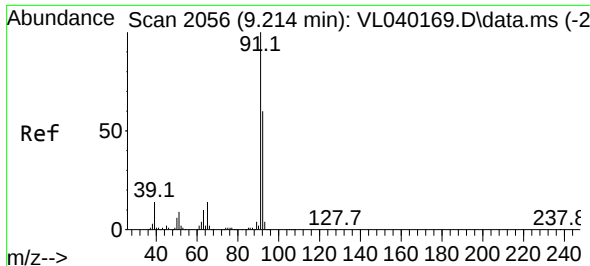
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#52
Tetrachloroethene
Concen: 0.037 ppbv m
RT: 10.635 min Scan# 2498
Delta R.T. 0.013 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

Tgt Ion:164 Resp: 1817
Ion Ratio Lower Upper
164 100
166 148.7 101.5 152.3
129 99.1 89.0 133.4
131 116.4 84.2 126.4





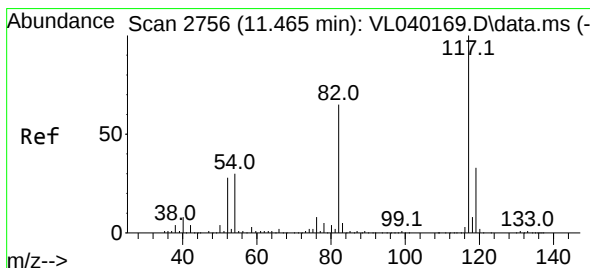
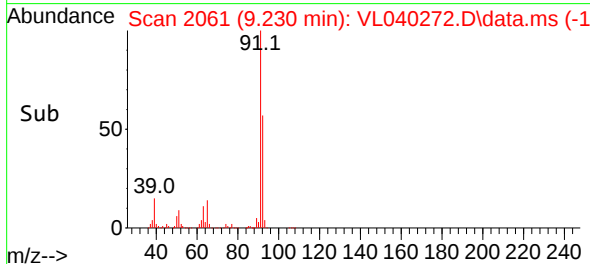
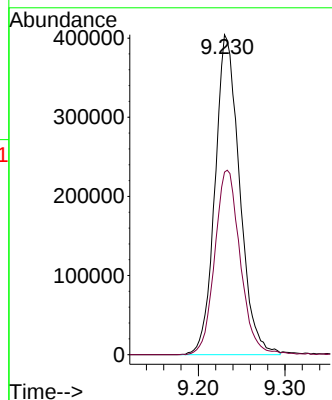
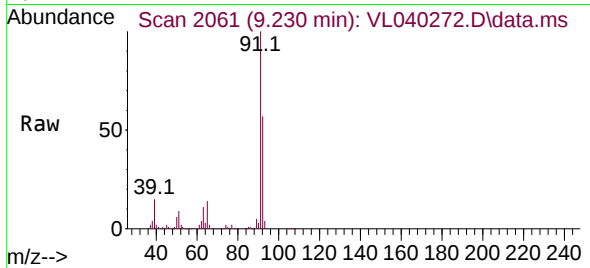
#53
Toluene
Concen: 4.680 ppbv
RT: 9.230 min Scan# 2056
Delta R.T. 0.006 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-REAR

Tgt Ion: 91 Resp: 797115
Ion Ratio Lower Upper
91 100
92 60.3 48.9 73.3

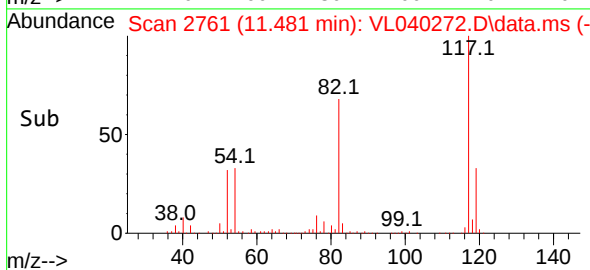
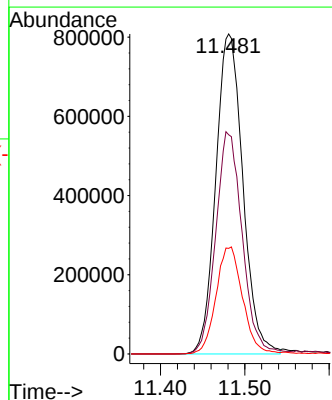
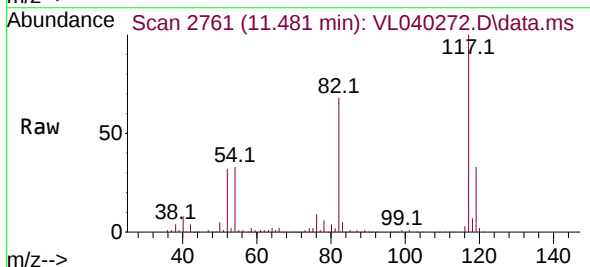
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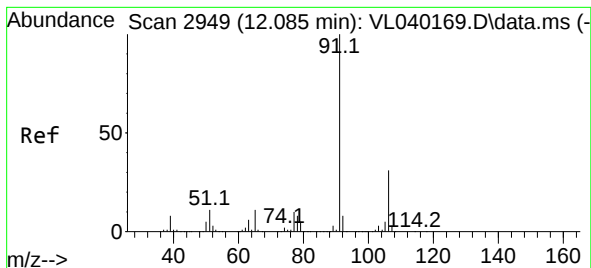
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 2761
Delta R.T. 0.006 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

Tgt Ion:117 Resp: 1802598
Ion Ratio Lower Upper
117 100
82 68.3 53.3 79.9
119 33.0 24.6 37.0





#58

Ethyl Benzene

Concen: 4.434 ppbv

RT: 12.105 min Scan# 2949

Delta R.T. 0.010 min

Lab File: VL040272.D

Acq: 13 Mar 2023 19:47

Instrument :

MSVOA_L

ClientSampleId :

BASEMENT-REAR

Tgt Ion: 91 Resp: 971099

Ion Ratio Lower Upper

91 100

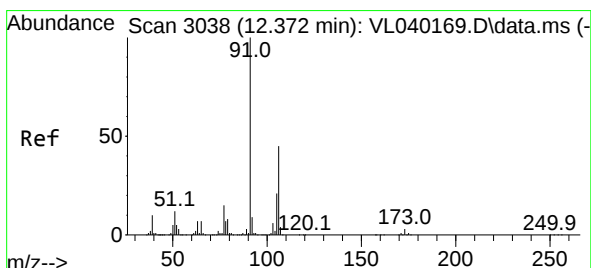
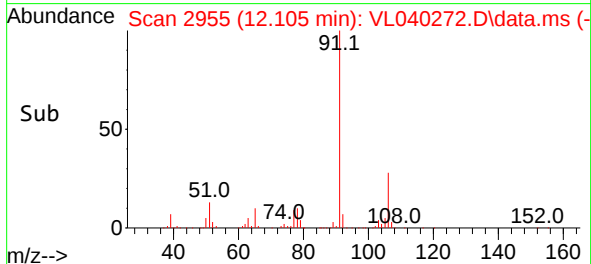
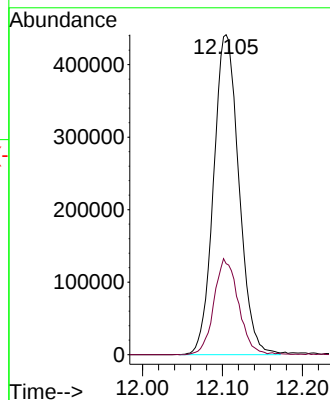
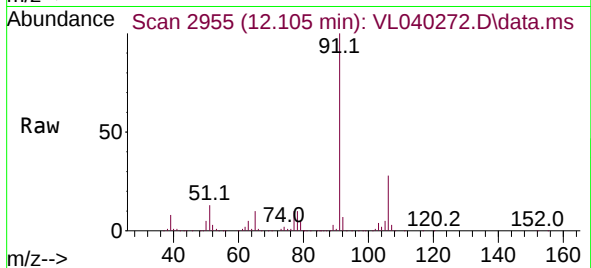
106 28.4 24.9 37.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/14/2023

Supervised By :Mahesh Dadoda 03/15/2023



#59

m/p-Xylene

Concen: 12.712 ppbv

RT: 12.359 min Scan# 3034

Delta R.T. -0.023 min

Lab File: VL040272.D

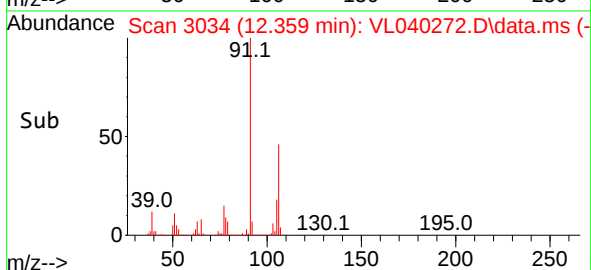
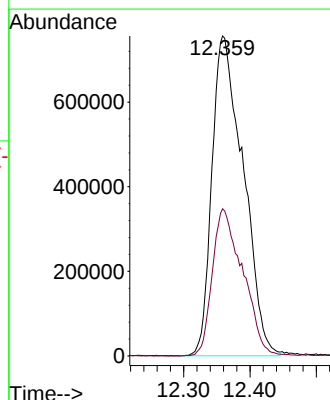
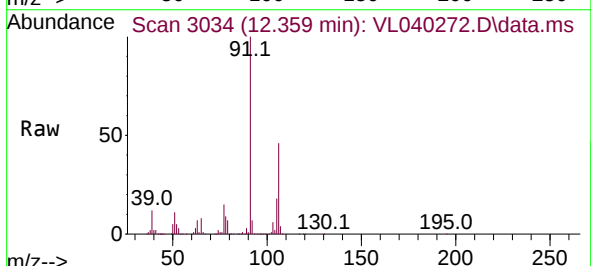
Acq: 13 Mar 2023 19:47

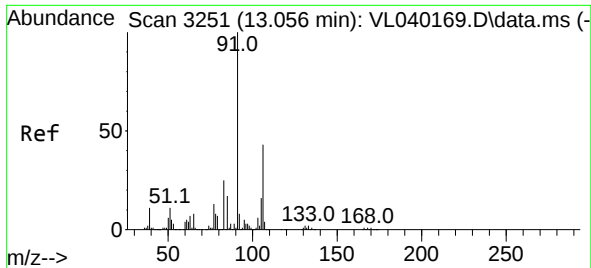
Tgt Ion: 91 Resp: 2465975

Ion Ratio Lower Upper

91 100

106 45.4 34.6 51.8





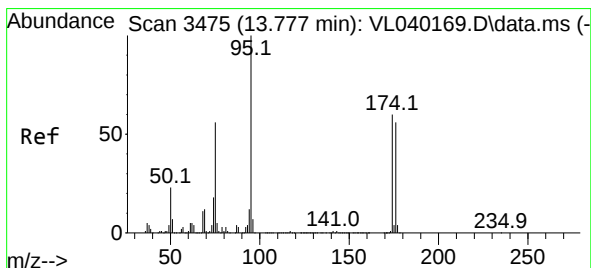
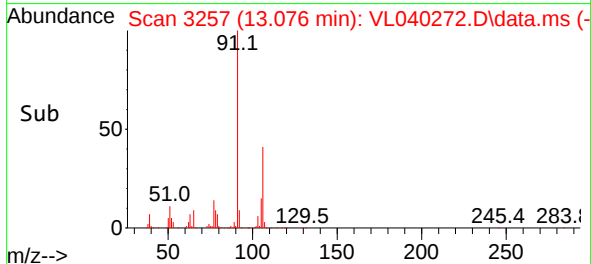
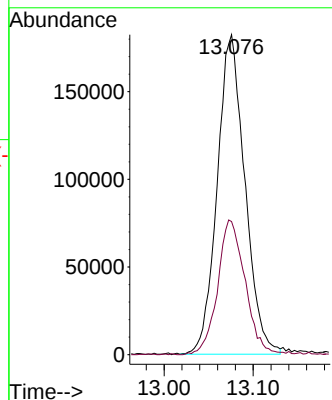
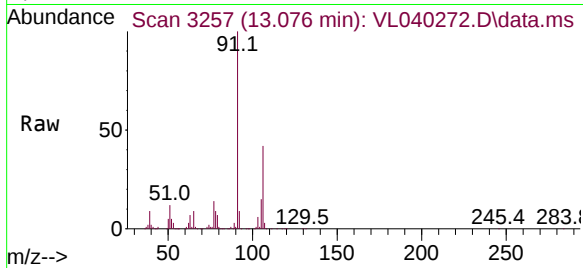
#60
o-Xylene
Concen: 2.107 ppbv
RT: 13.076 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-REAR

Tgt Ion: 91 Resp: 39326
Ion Ratio Lower Upper
91 100
106 42.1 21.6 65.0

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



#68
1-Bromo-4-Fluorobenzene
Concen: 10.132 ppbv
RT: 13.796 min Scan# 3481
Delta R.T. 0.013 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

Tgt Ion: 95 Resp: 1501858
Ion Ratio Lower Upper
95 100
174 58.8 48.2 72.2
175 4.3 3.4 5.2

