

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062223\
 Data File : VL040490.D
 Acq On : 22 Jun 2023 18:04
 Operator : SY/MD
 Sample : 03300-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AO-1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/26/2023
 Supervised By :Mahesh Dadoda 06/27/2023

Quant Time: Jun 23 01:31:42 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M

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

QLast Update : Tue Jun 06 06:22:12 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	868043	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2215166	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.452	117	1972119	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1487062	9.136	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.726	85	83400	0.441	ppbv	99
3) Chlorodifluoromethane	2.668	51	53292m	0.375	ppbv	
4) Chloromethane	2.809	50	34045	0.619	ppbv	98
9) Propene	2.700	41	54420m	1.241	ppbv	
11) Trichlorofluoromethane	3.555	101	35185	0.229	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.060	101	8943	0.083	ppbv	93
13) Ethanol	3.231	45	291495	32.107	ppbv	100
15) Acetone	3.459	43	683158	6.525	ppbv	98
20) Methylene Chloride	3.925	84	767678	17.180	ppbv	98
26) Hexane	5.202	57	522290	5.814	ppbv #	44
29) Chloroform	5.263	83	19084	0.125	ppbv #	82
34) 2-Butanone	4.780	43	32995	0.309	ppbv	91
35) Carbon Tetrachloride	6.481	117	10245m	0.068	ppbv	
36) Benzene	6.356	78	57983	0.329	ppbv	99
44) 2,2,4-Trimethylpentane	7.317	57	50661	0.176	ppbv #	77
52) Tetrachloroethene	10.610	164	3843m	0.069	ppbv	
53) Toluene	9.208	91	104631	0.564	ppbv	97

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

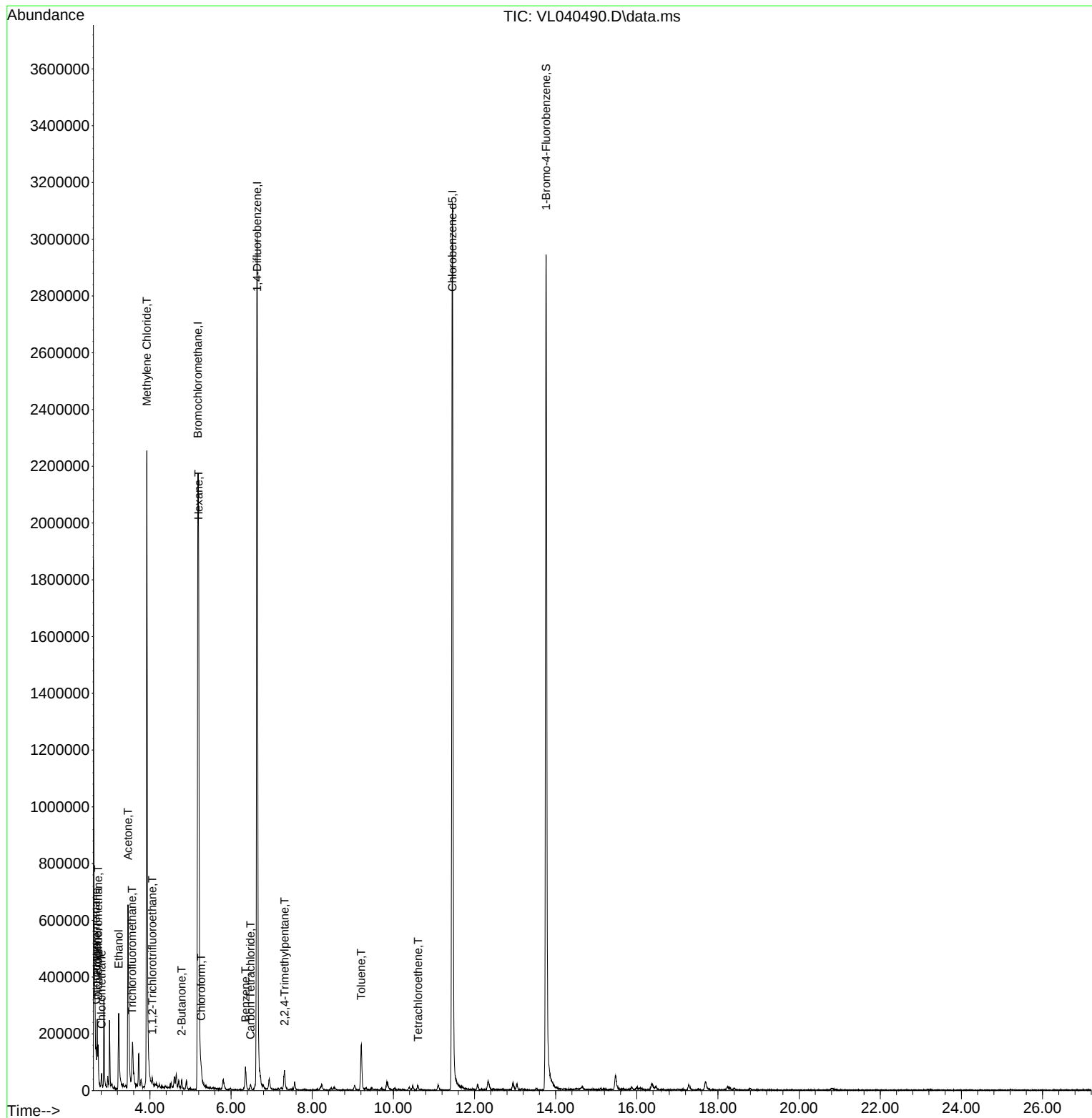
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062223\
Data File : VL040490.D
Acq On : 22 Jun 2023 18:04
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Sample : 03300-05
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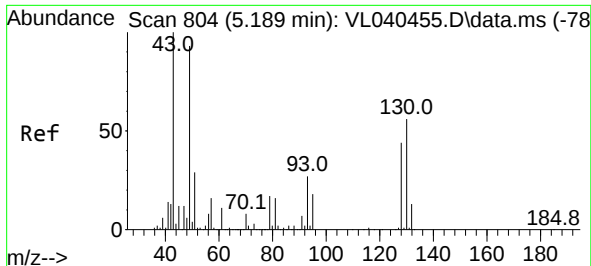
Instrument :
MSVOA_L
ClientSampleId :
AO-1

Quant Time: Jun 23 01:31:42 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jun 06 06:22:12 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

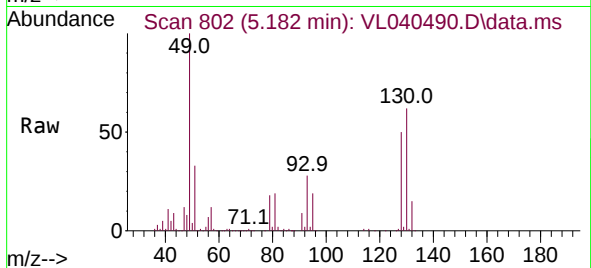
Reviewed By : Semsettin Yesilyurt 06/26/2023
Supervised By : Mahesh Dadoda 06/27/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 804
Delta R.T. -0.007 min
Lab File: VL040490.D
Acq: 22 Jun 2023 18:04

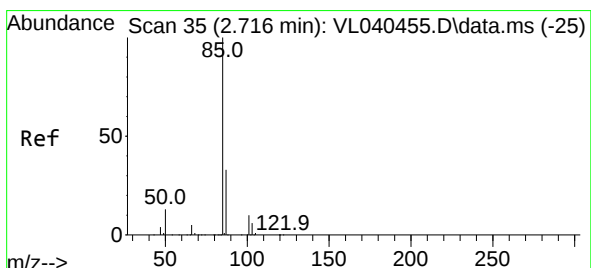
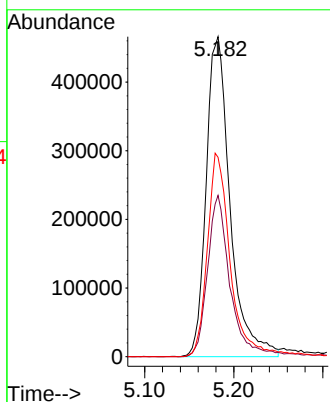
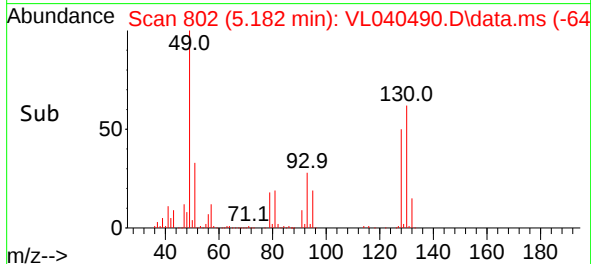
Instrument :
MSVOA_L
ClientSampleId :
AO-1



Tgt Ion: 49 Resp: 86804
Ion Ratio Lower Upper
49 100
128 48.1 24.7 74.1
130 62.2 31.4 94.2

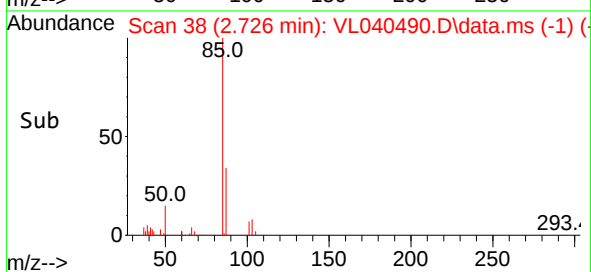
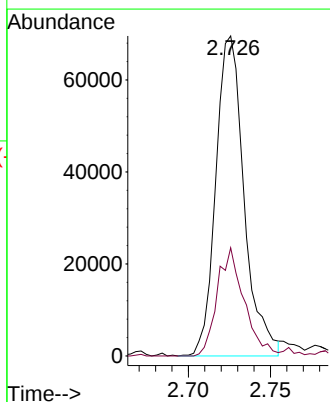
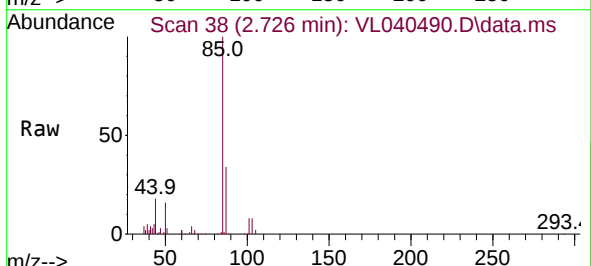
Manual Integrations
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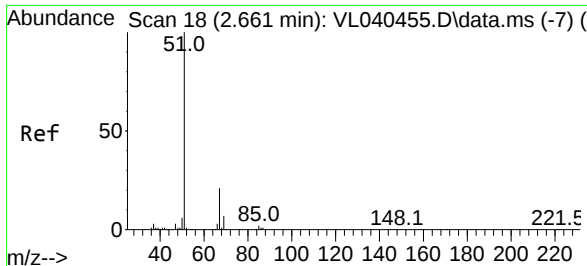
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#2
Dichlorodifluoromethane
Concen: 0.441 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.010 min
Lab File: VL040490.D
Acq: 22 Jun 2023 18:04

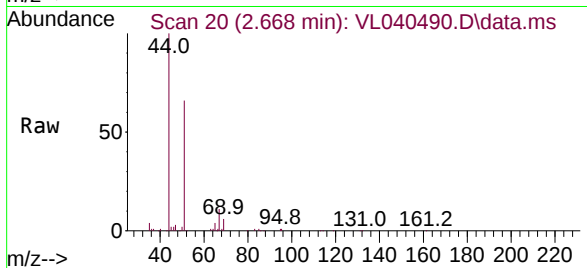
Tgt Ion: 85 Resp: 83400
Ion Ratio Lower Upper
85 100
87 33.8 26.6 39.8





#3
Chlorodifluoromethane
Concen: 0.375 ppbv m
RT: 2.668 min Scan# 20
Delta R.T. 0.007 min
Lab File: VL040490.D
Acq: 22 Jun 2023 18:04

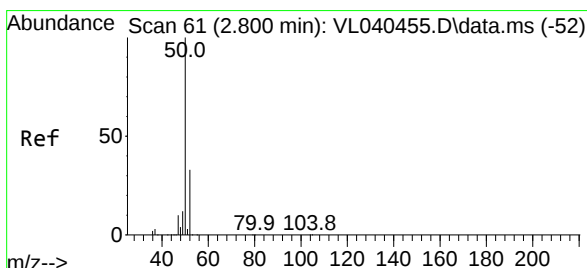
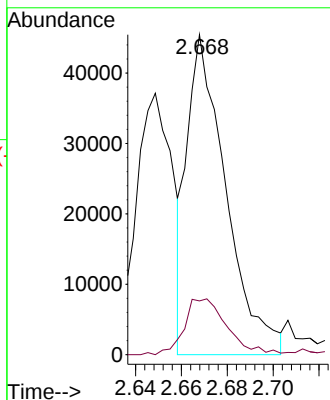
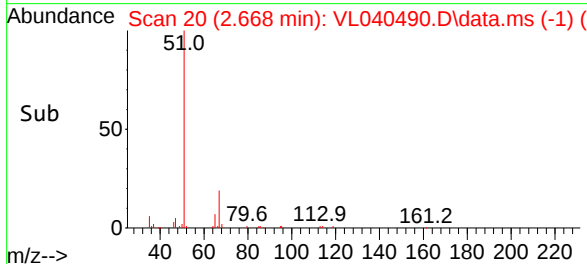
Instrument :
MSVOA_L
ClientSampleId :
AO-1



Tgt Ion: 51 Resp: 5329
Ion Ratio Lower Upper
51 100
67 20.7 16.3 24.5

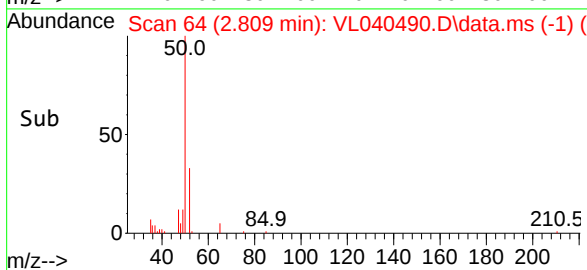
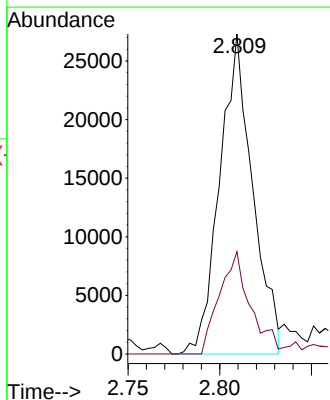
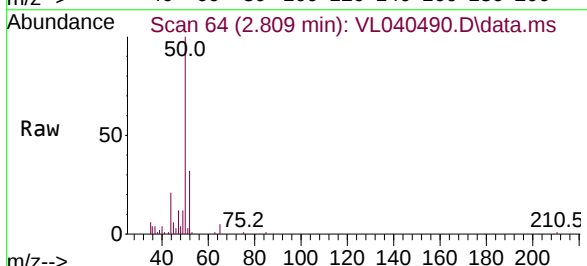
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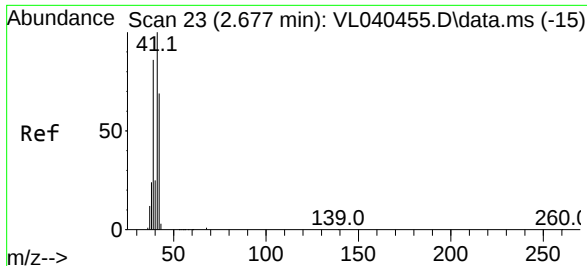
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#4
Chloromethane
Concen: 0.619 ppbv
RT: 2.809 min Scan# 64
Delta R.T. 0.010 min
Lab File: VL040490.D
Acq: 22 Jun 2023 18:04

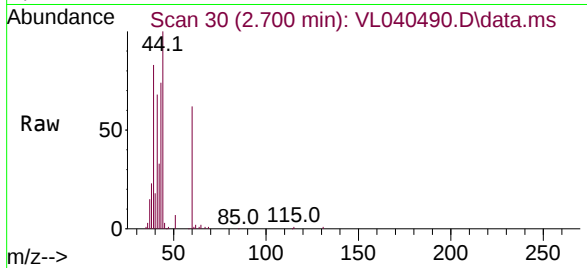
Tgt Ion: 50 Resp: 34045
Ion Ratio Lower Upper
50 100
52 32.0 26.3 39.5





#9
Propene
Concen: 1.241 ppbv m
RT: 2.700 min Scan# 30
Delta R.T. 0.023 min
Lab File: VL040490.D
Acq: 22 Jun 2023 18:04

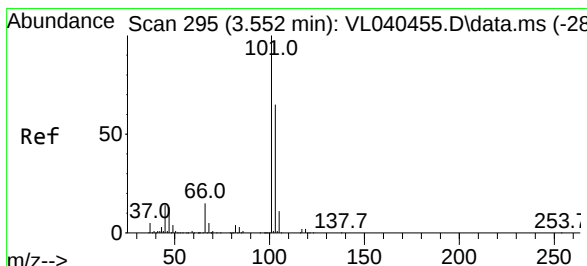
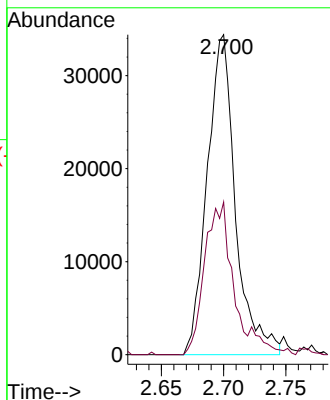
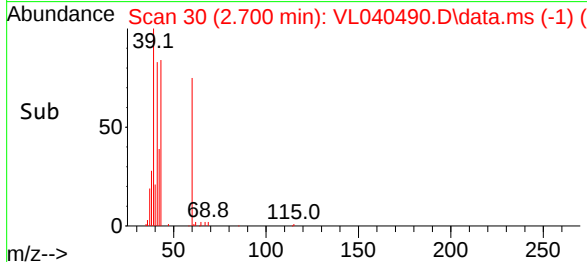
Instrument :
MSVOA_L
ClientSampleId :
AO-1



Tgt Ion: 41 Resp: 54420
Ion Ratio Lower Upper
41 100
42 101.4 56.2 84.2

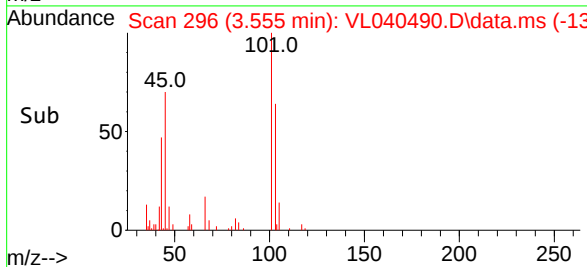
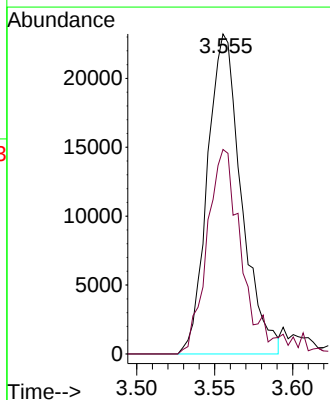
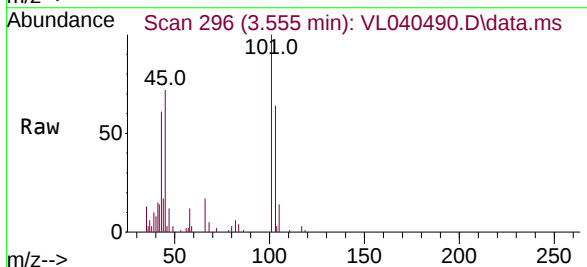
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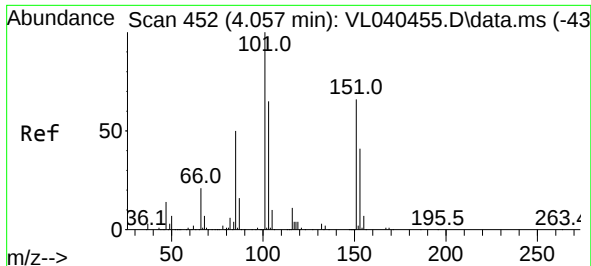
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#11
Trichlorofluoromethane
Concen: 0.229 ppbv
RT: 3.555 min Scan# 296
Delta R.T. 0.003 min
Lab File: VL040490.D
Acq: 22 Jun 2023 18:04

Tgt Ion:101 Resp: 35185
Ion Ratio Lower Upper
101 100
103 63.9 51.7 77.5





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.083 ppbv

RT: 4.060 min Scan# 4

Delta R.T. 0.003 min

Lab File: VL040490.D

Acq: 22 Jun 2023 18:04

Instrument :

MSVOA_L

ClientSampleId :

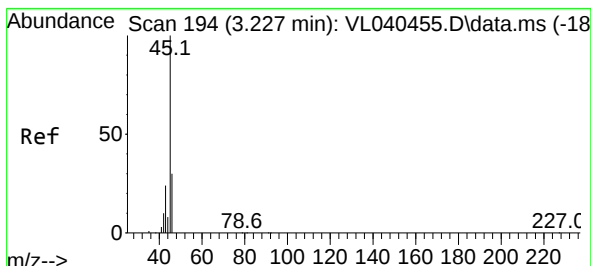
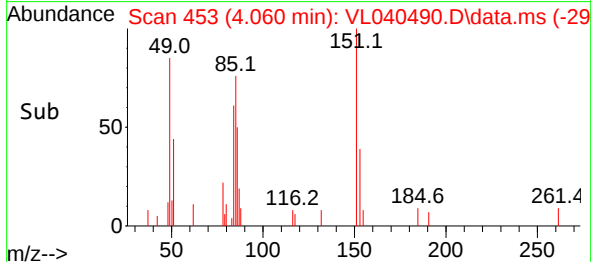
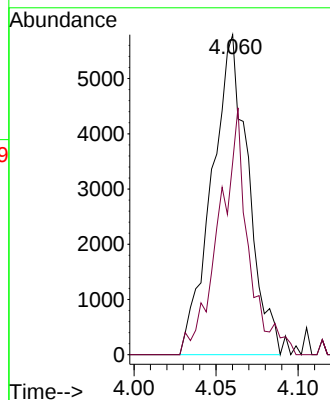
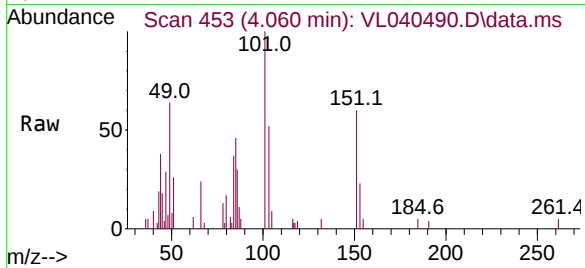
AO-1

Tgt Ion:101 Resp: 894
 Ion Ratio Lower Upper
 101 100
 151 62.6 54.3 81.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/26/2023
 Supervised By :Mahesh Dadoda 06/27/2023



#13

Ethanol

Concen: 32.107 ppbv

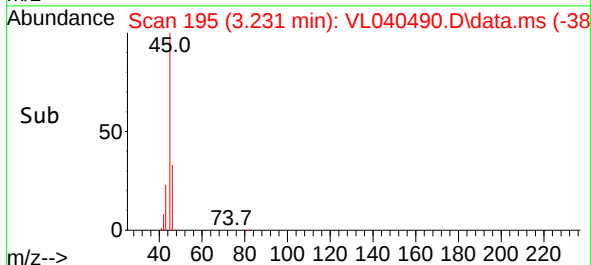
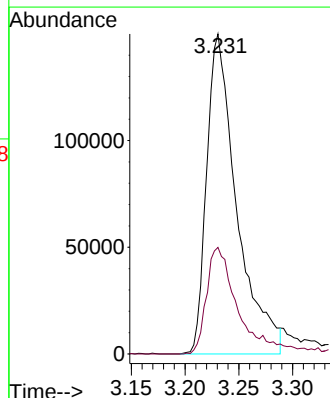
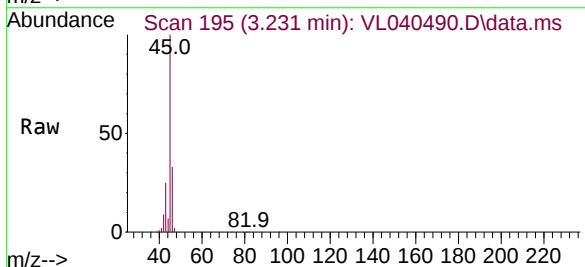
RT: 3.231 min Scan# 195

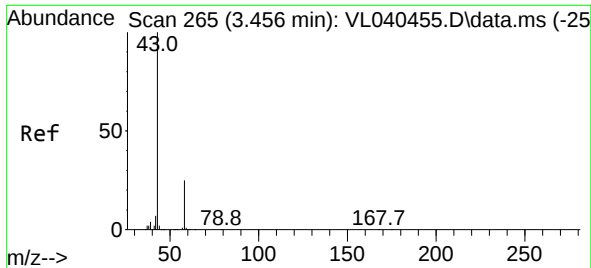
Delta R.T. 0.003 min

Lab File: VL040490.D

Acq: 22 Jun 2023 18:04

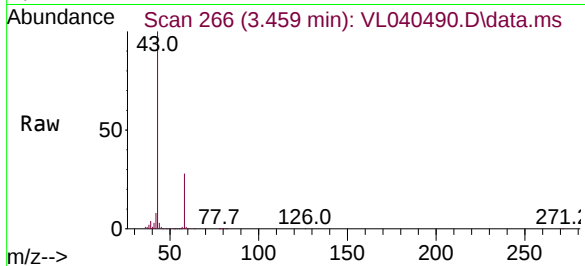
Tgt Ion: 45 Resp: 291495
 Ion Ratio Lower Upper
 45 100
 46 36.1 14.5 58.1





#15
Acetone
Concen: 6.525 ppbv
RT: 3.459 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL040490.D
Acq: 22 Jun 2023 18:04

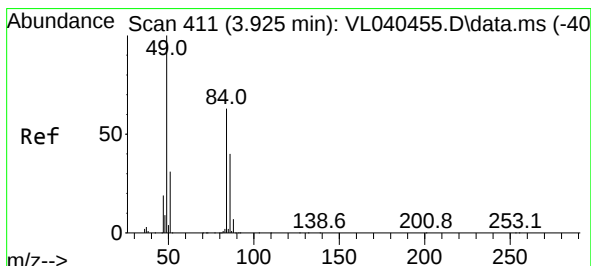
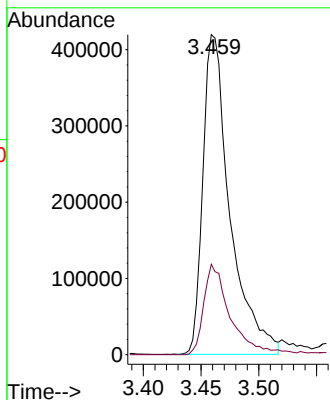
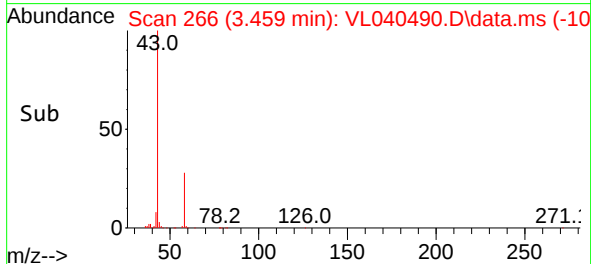
Instrument :
MSVOA_L
ClientSampleId :
AO-1



Tgt Ion: 43 Resp: 683158
Ion Ratio Lower Upper
43 100
58 28.1 21.6 32.4

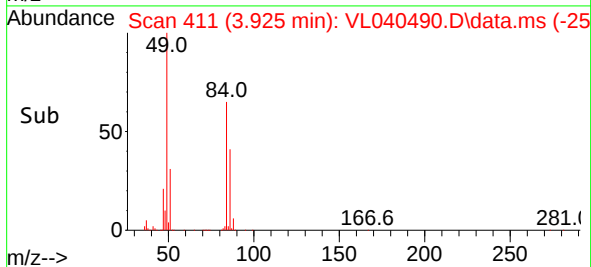
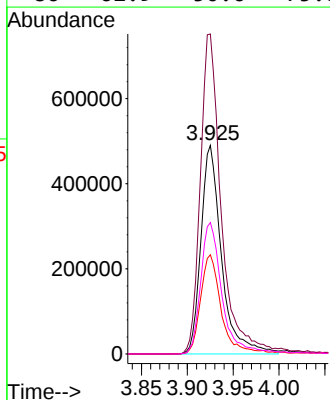
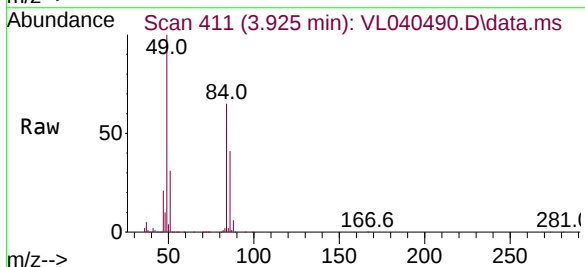
Manual Integrations
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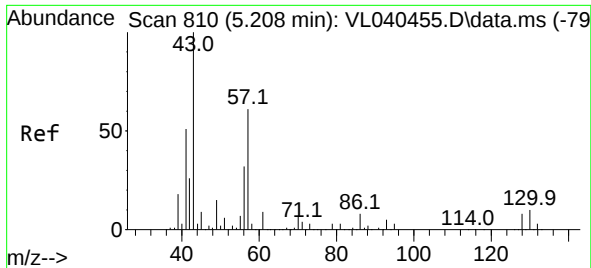
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#20
Methylene Chloride
Concen: 17.180 ppbv
RT: 3.925 min Scan# 411
Delta R.T. 0.000 min
Lab File: VL040490.D
Acq: 22 Jun 2023 18:04

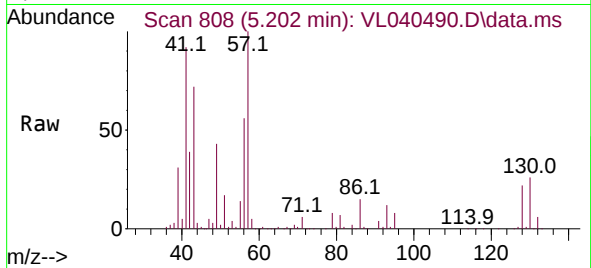
Tgt Ion: 84 Resp: 767678
Ion Ratio Lower Upper
84 100
49 153.4 126.2 189.2
51 47.4 38.7 58.1
86 62.9 50.6 75.8





#26
Hexane
Concen: 5.814 ppbv
RT: 5.202 min Scan# 808
Delta R.T. -0.006 min
Lab File: VL040490.D
Acq: 22 Jun 2023 18:04

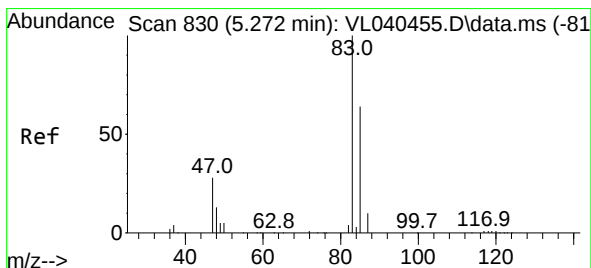
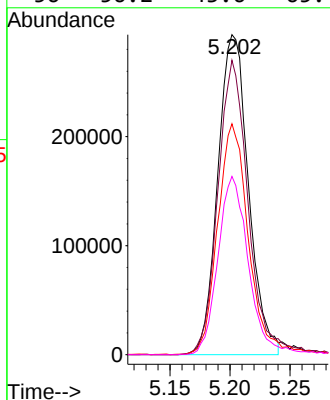
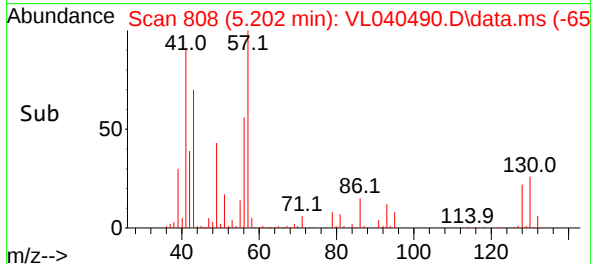
Instrument :
MSVOA_L
ClientSampleId :
AO-1



Tgt Ion: 57 Resp: 522290
Ion Ratio Lower Upper
57 100
41 92.1 73.0 109.6
43 73.2 177.5 266.3
56 56.2 43.6 65.4

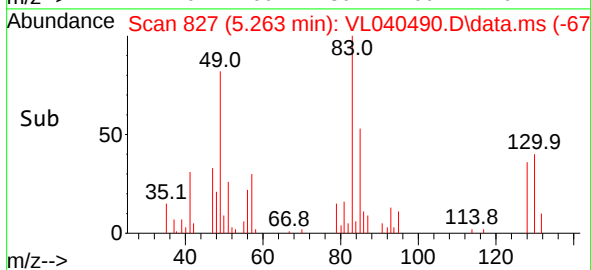
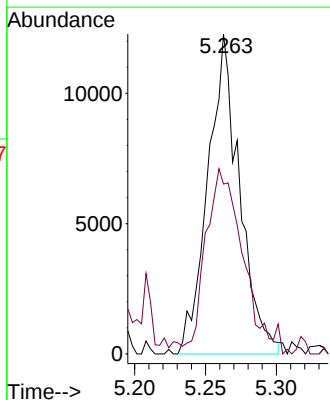
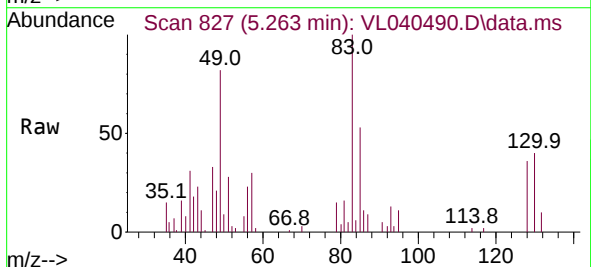
Manual Integrations
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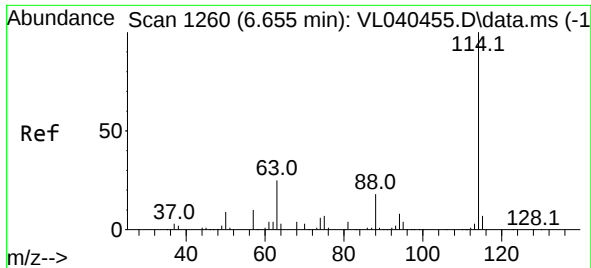
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#29
Chloroform
Concen: 0.125 ppbv
RT: 5.263 min Scan# 827
Delta R.T. -0.010 min
Lab File: VL040490.D
Acq: 22 Jun 2023 18:04

Tgt Ion: 83 Resp: 19084
Ion Ratio Lower Upper
83 100
85 49.6 51.1 76.7#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 114

Delta R.T. -0.013 min

Lab File: VL040490.D

Acq: 22 Jun 2023 18:04

Instrument :

MSVOA_L

ClientSampleId :

AO-1

Tgt Ion:114 Resp: 221516

Ion Ratio Lower Upper

114 100

63 26.0 21.0 31.6

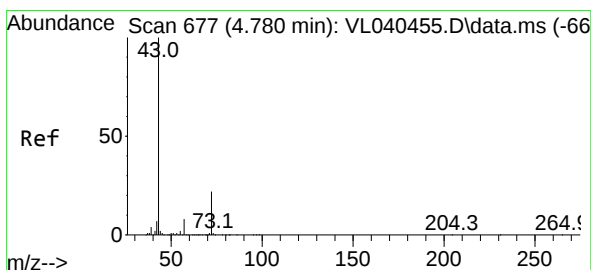
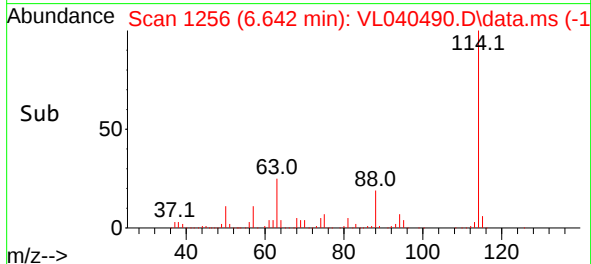
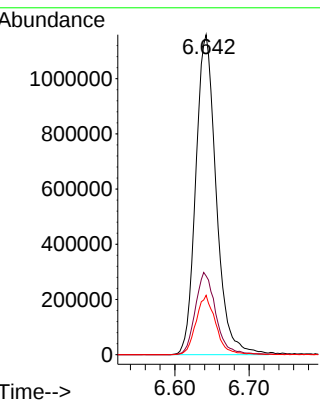
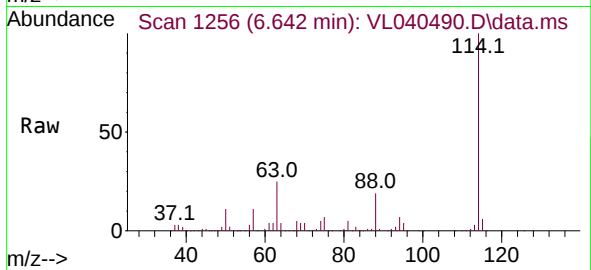
88 18.1 14.5 21.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/26/2023

Supervised By :Mahesh Dadoda 06/27/2023



#34

2-Butanone

Concen: 0.309 ppbv

RT: 4.780 min Scan# 677

Delta R.T. 0.000 min

Lab File: VL040490.D

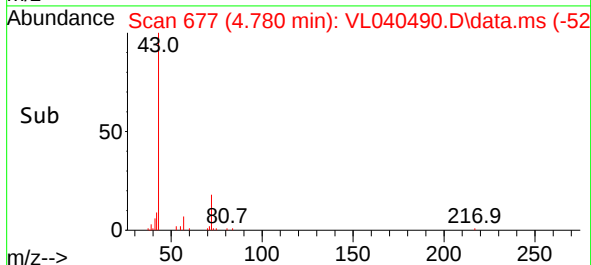
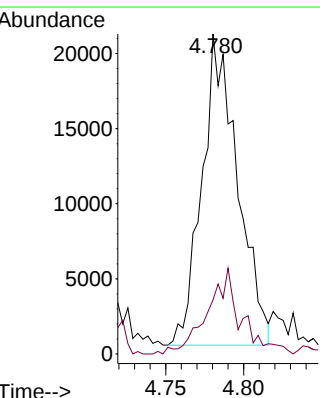
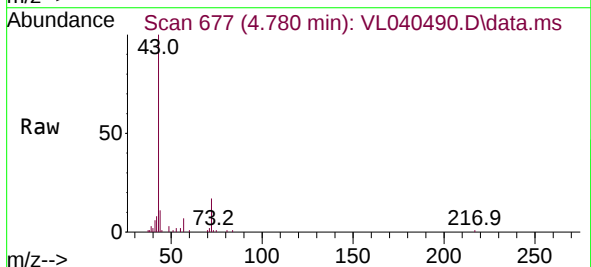
Acq: 22 Jun 2023 18:04

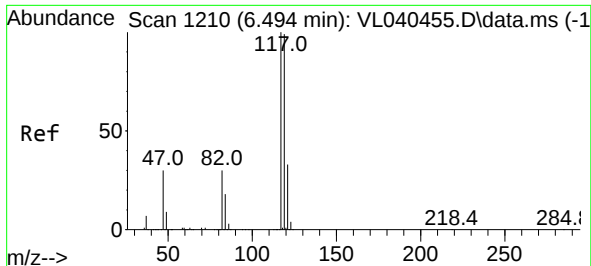
Tgt Ion: 43 Resp: 32995

Ion Ratio Lower Upper

43 100

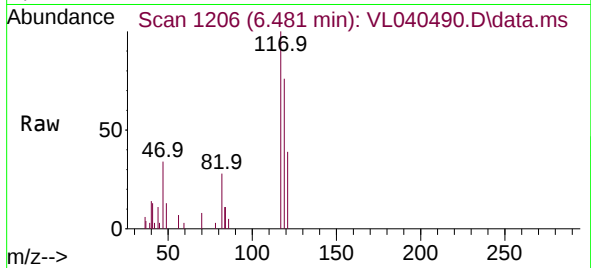
72 26.8 18.1 27.1





#35
Carbon Tetrachloride
Concen: 0.068 ppbv m
RT: 6.481 min Scan# 117
Delta R.T. -0.013 min
Lab File: VL040490.D
Acq: 22 Jun 2023 18:04

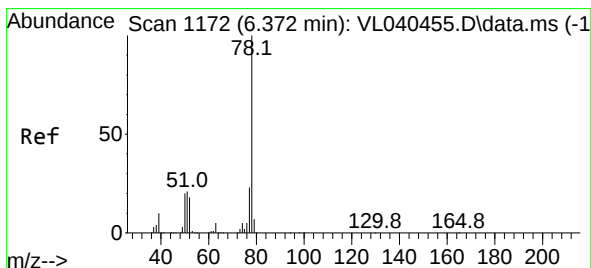
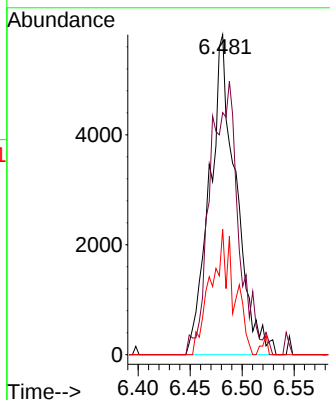
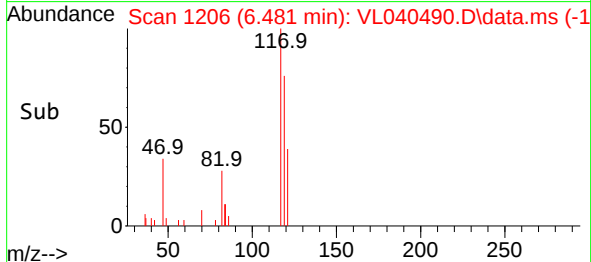
Instrument :
MSVOA_L
ClientSampleId :
AO-1



Tgt Ion:117 Resp: 1024
Ion Ratio Lower Upper
117 100
119 75.6 79.1 118.7
121 39.1 26.0 39.0

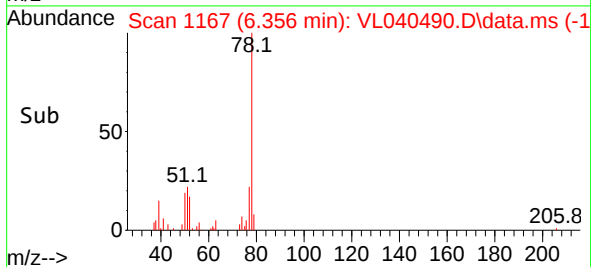
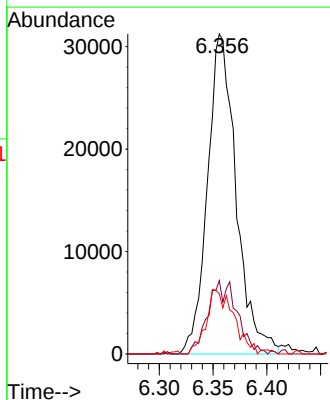
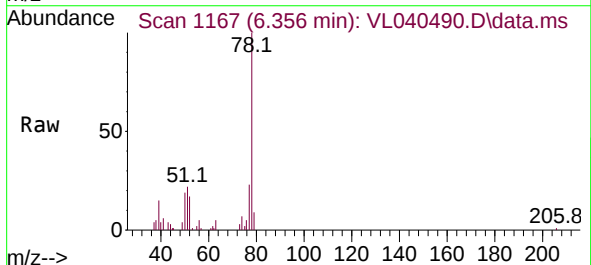
Manual Integrations
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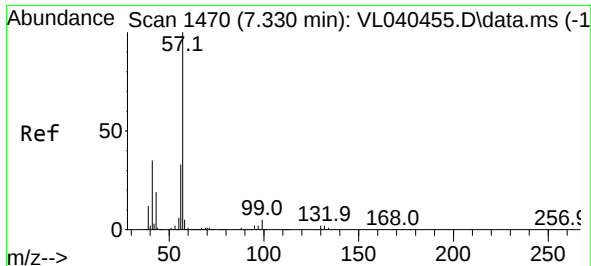
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#36
Benzene
Concen: 0.329 ppbv
RT: 6.356 min Scan# 1167
Delta R.T. -0.016 min
Lab File: VL040490.D
Acq: 22 Jun 2023 18:04

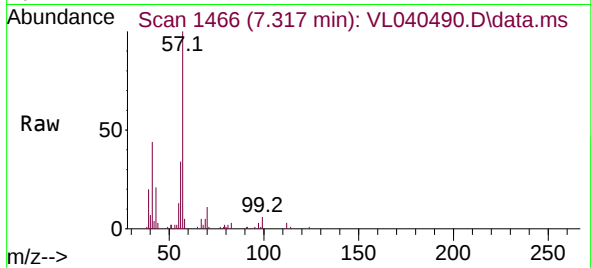
Tgt Ion: 78 Resp: 57983
Ion Ratio Lower Upper
78 100
77 22.9 18.5 27.7
50 18.8 16.1 24.1





#44
2,2,4-Trimethylpentane
Concen: 0.176 ppbv
RT: 7.317 min Scan# 1466
Delta R.T. -0.013 min
Lab File: VL040490.D
Acq: 22 Jun 2023 18:04

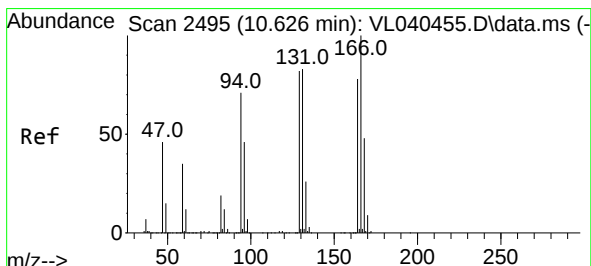
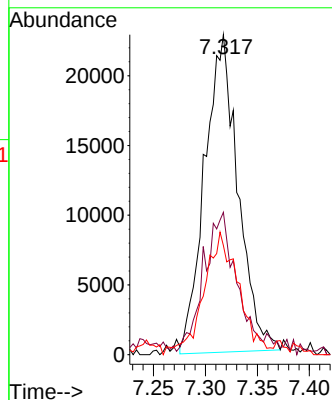
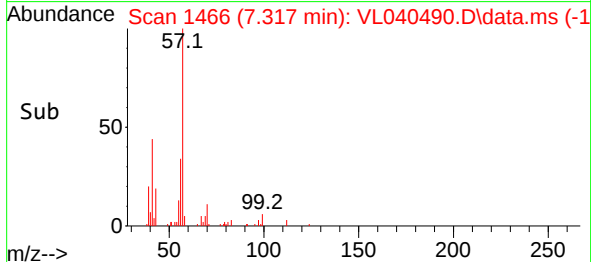
Instrument :
MSVOA_L
ClientSampleId :
AO-1



Tgt Ion: 57 Resp: 5066
Ion Ratio Lower Upper
57 100
41 49.5 27.8 41.8
56 42.9 25.3 37.9

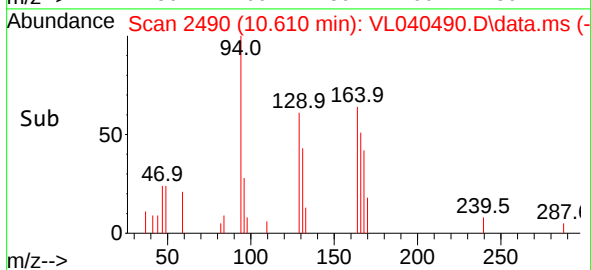
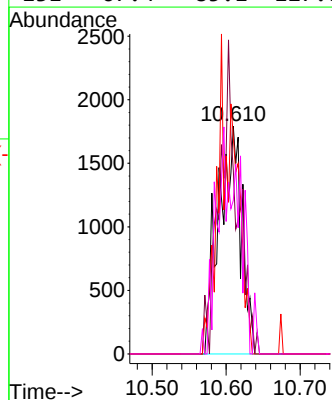
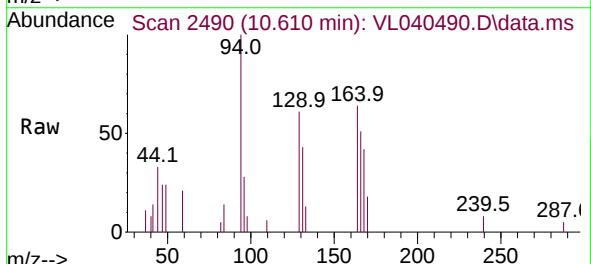
Manual Integrations
APPROVED

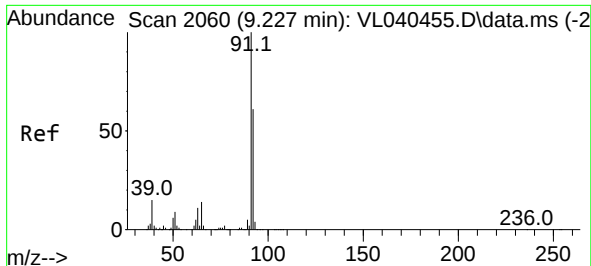
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#52
Tetrachloroethene
Concen: 0.069 ppbv m
RT: 10.610 min Scan# 2490
Delta R.T. -0.016 min
Lab File: VL040490.D
Acq: 22 Jun 2023 18:04

Tgt Ion:164 Resp: 3843
Ion Ratio Lower Upper
164 100
166 80.8 102.7 154.1#
129 95.3 84.6 126.8
131 67.4 85.1 127.7#





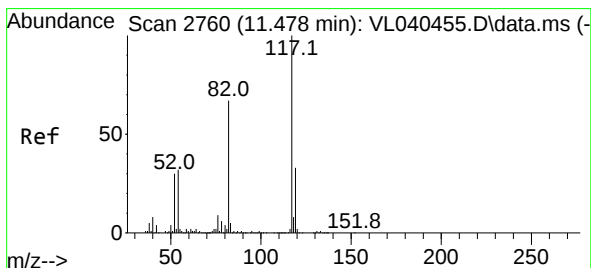
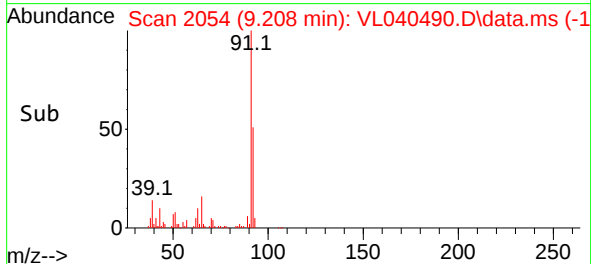
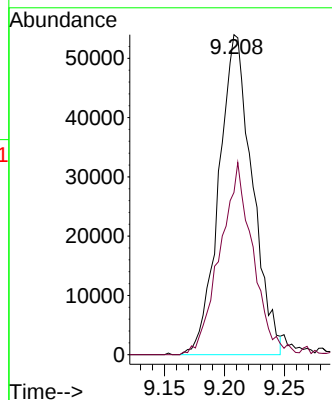
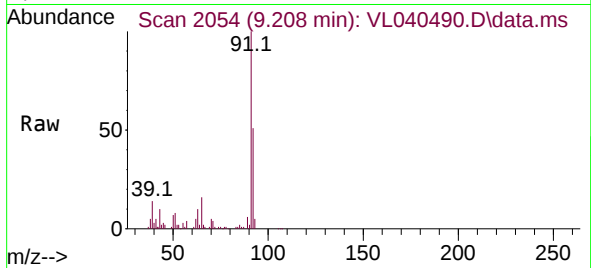
#53
Toluene
Concen: 0.564 ppbv
RT: 9.208 min Scan# 2060
Delta R.T. -0.019 min
Lab File: VL040490.D
Acq: 22 Jun 2023 18:04

Instrument :
MSVOA_L
ClientSampleId :
AO-1

Tgt Ion: 91 Resp: 10463
Ion Ratio Lower Upper
91 100
92 59.2 49.1 73.7

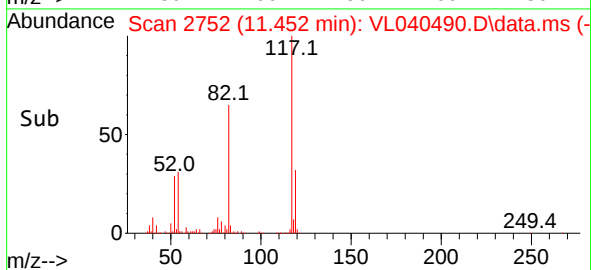
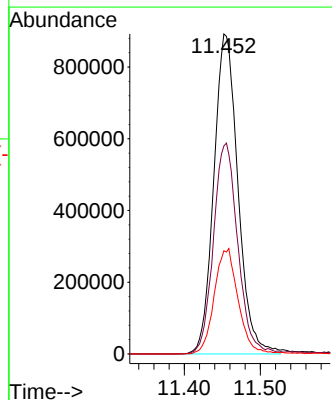
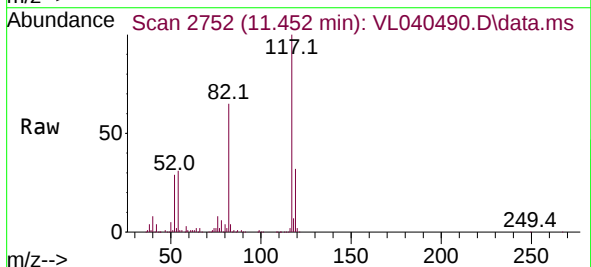
Manual Integrations
APPROVED

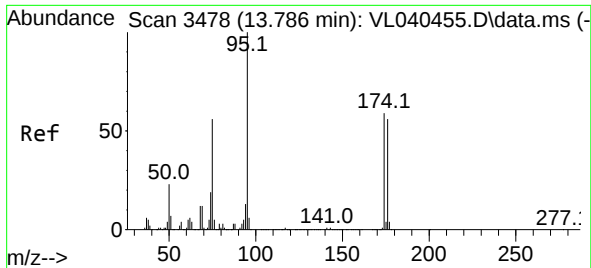
Reviewed By :Semsettin Yesilyurt 06/26/2023
Supervised By :Mahesh Dadoda 06/27/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 2752
Delta R.T. -0.026 min
Lab File: VL040490.D
Acq: 22 Jun 2023 18:04

Tgt Ion:117 Resp: 1972119
Ion Ratio Lower Upper
117 100
82 67.7 53.0 79.4
119 32.9 24.4 36.6





#68

1-Bromo-4-Fluorobenzene

Concen: 9.136 ppbv

RT: 13.764 min Scan# 34

Delta R.T. -0.022 min

Lab File: VL040490.D

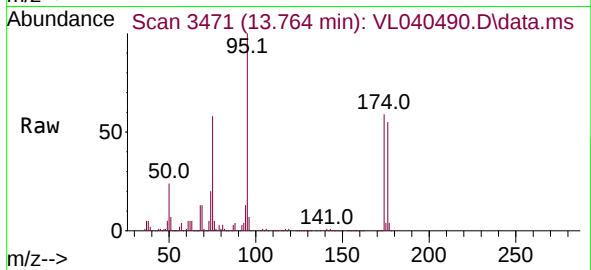
Acq: 22 Jun 2023 18:04

Instrument :

MSVOA_L

ClientSampleId :

AO-1



Tgt Ion: 95 Resp: 148706

Ion Ratio Lower Upper

95 100

174 59.8 47.7 71.5

175 4.3 3.5 5.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/26/2023

Supervised By :Mahesh Dadoda 06/27/2023

