

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080723\
 Data File : VL040601.D
 Acq On : 7 Aug 2023 16:34
 Operator : SY/MD
 Sample : 03907-02DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/08/2023
 Supervised By :Mahesh Dadoda 08/09/2023

Quant Time: Aug 08 01:42:06 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2023

QLast Update : Mon Jul 10 16:32:00 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	1255171	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	3194951	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2829906	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	2259868	10.090	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.900%
Target Compounds						Qvalue
9) Propene	2.700	41	636927	9.351	ppbv	96
10) Heptane	7.590	43	27861	0.185	ppbv	92
11) Trichlorofluoromethane	3.568	101	75112	0.371	ppbv	87
13) Ethanol	3.259	45	26635m	1.797	ppbv	
15) Acetone	3.491	43	280004	1.938	ppbv	95
20) Methylene Chloride	3.941	84	477051	7.762	ppbv	99
26) Hexane	5.224	57	356687	2.791	ppbv #	40
27) Carbon Disulfide	4.134	76	39010	0.260	ppbv #	69
28) Methyl tert-Butyl Ether	4.613	73	23530m	0.229	ppbv	
29) Chloroform	5.285	83	33765	0.159	ppbv	85
34) 2-Butanone	4.816	43	45972	0.291	ppbv	98
36) Benzene	6.375	78	35802	0.139	ppbv #	93
38) Trichloroethene	7.298	130	23295m	0.240	ppbv	
44) 2,2,4-Trimethylpentane	7.336	57	241430	0.584	ppbv #	75
50) 4-Methyl-2-Pentanone	8.217	43	69727m	0.304	ppbv	
52) Tetrachloroethene	10.629	164	155448	1.867	ppbv	97
53) Toluene	9.230	91	337727	1.209	ppbv	99
59) m/p-Xylene	12.359	91	58225m	0.184	ppbv	

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

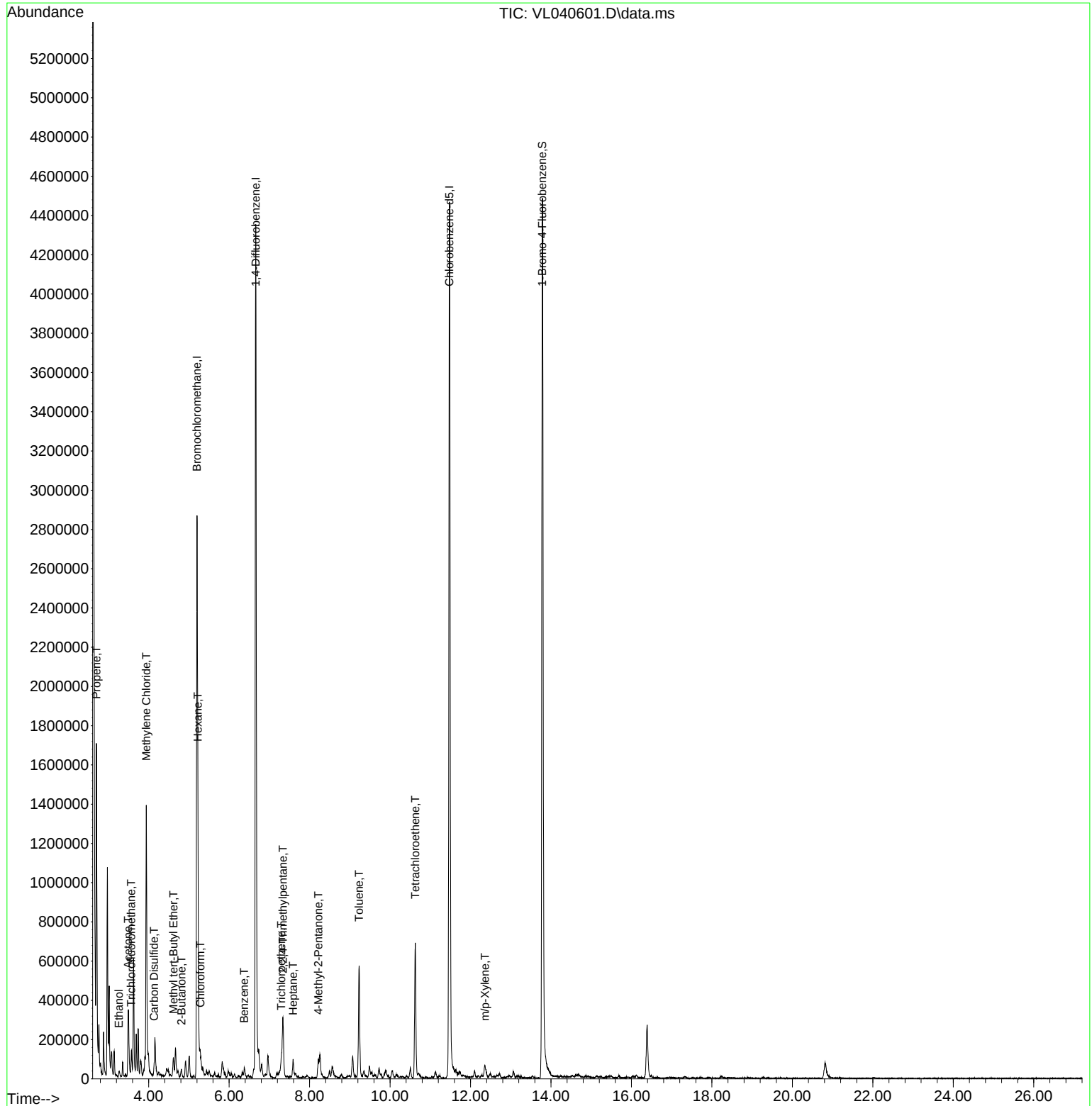
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080723\
Data File : VL040601.D
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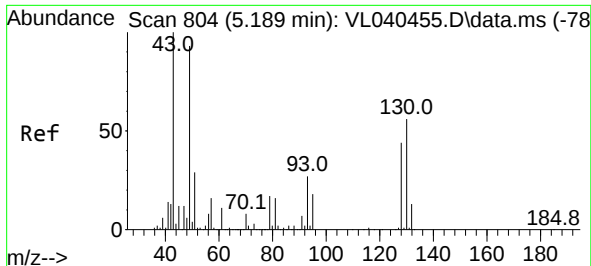
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Quant Time: Aug 08 01:42:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Jul 10 16:32:00 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

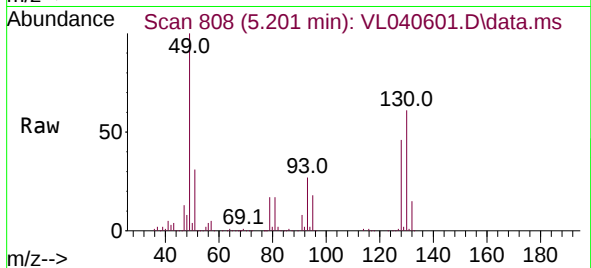
Reviewed By : Semsettin Yesilyurt 08/08/2023
Supervised By : Mahesh Dadoda 08/09/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 80
Delta R.T. -0.001 min
Lab File: VL040601.D
Acq: 7 Aug 2023 16:34

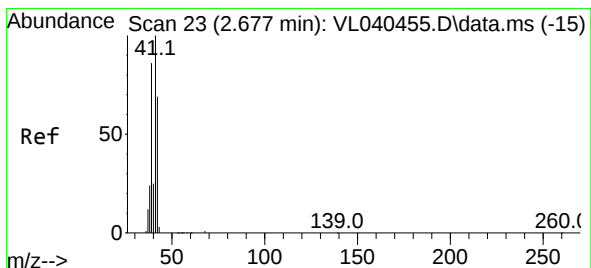
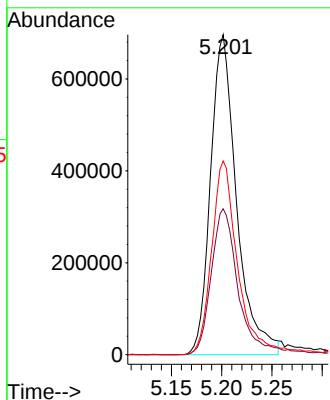
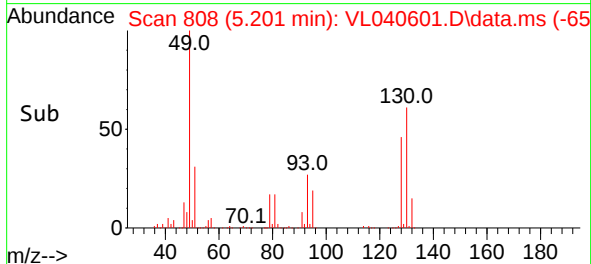
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL



Tgt Ion: 49 Resp: 125517
Ion Ratio Lower Upper
49 100
128 48.7 25.1 75.4
130 63.0 31.6 94.7

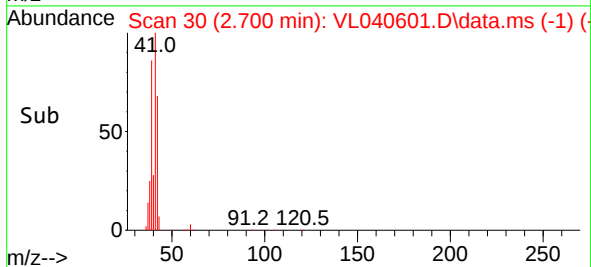
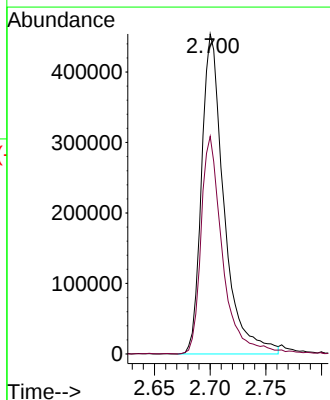
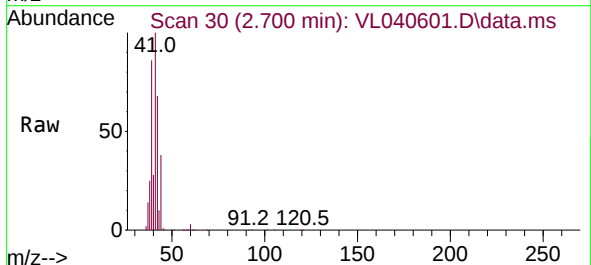
Manual Integrations
APPROVED

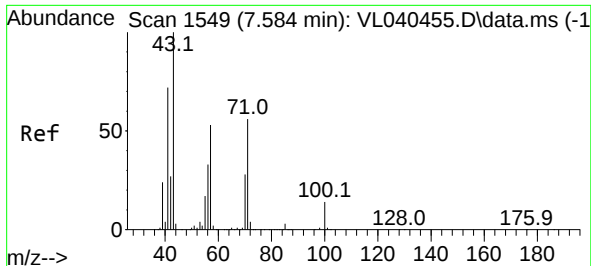
Reviewed By :Semsettin Yesilyurt 08/08/2023
Supervised By :Mahesh Dadoda 08/09/2023



#9
Propene
Concen: 9.351 ppbv
RT: 2.700 min Scan# 30
Delta R.T. -0.003 min
Lab File: VL040601.D
Acq: 7 Aug 2023 16:34

Tgt Ion: 41 Resp: 636927
Ion Ratio Lower Upper
41 100
42 65.8 55.0 82.6





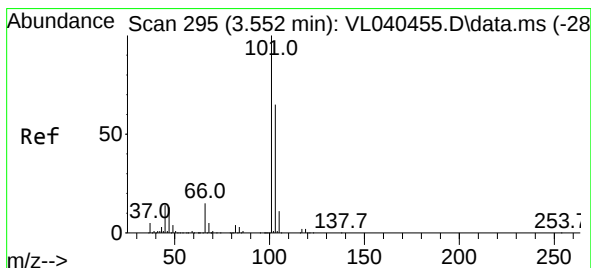
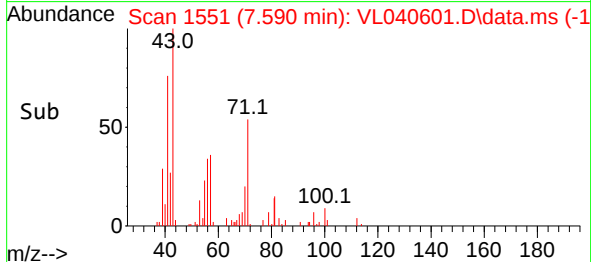
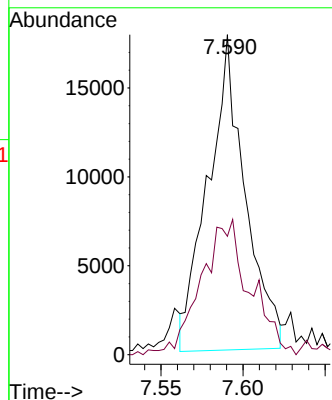
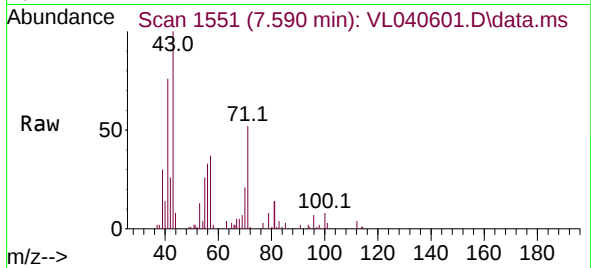
#10
Heptane
Concen: 0.185 ppbv
RT: 7.590 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL040601.D
Acq: 7 Aug 2023 16:34

Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Tgt Ion: 43 Resp: 2786
Ion Ratio Lower Upper
43 100
57 58.8 42.5 63.7

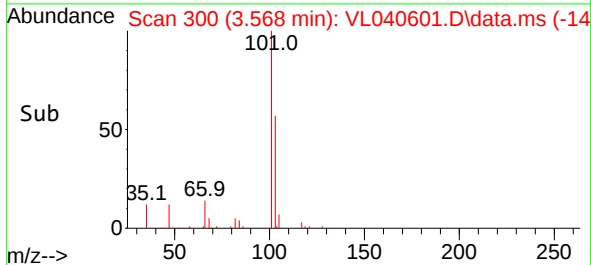
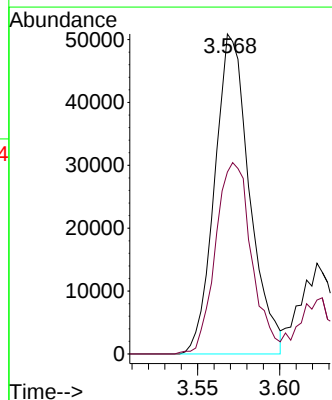
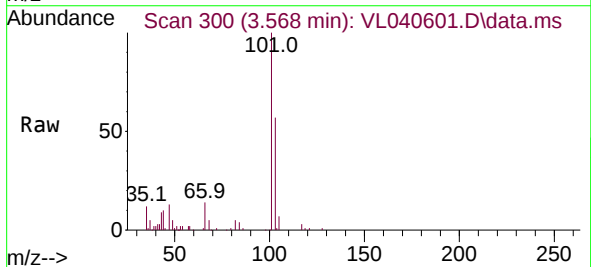
Manual Integrations
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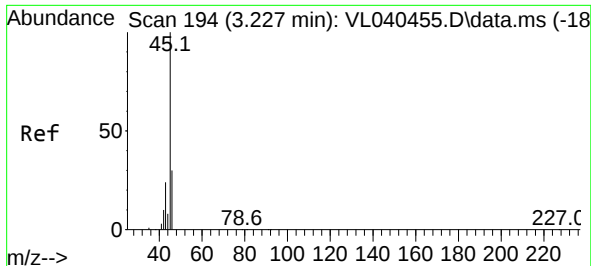
Reviewed By :Semsettin Yesilyurt 08/08/2023
Supervised By :Mahesh Dadoda 08/09/2023



#11
Trichlorofluoromethane
Concen: 0.371 ppbv
RT: 3.568 min Scan# 300
Delta R.T. -0.003 min
Lab File: VL040601.D
Acq: 7 Aug 2023 16:34

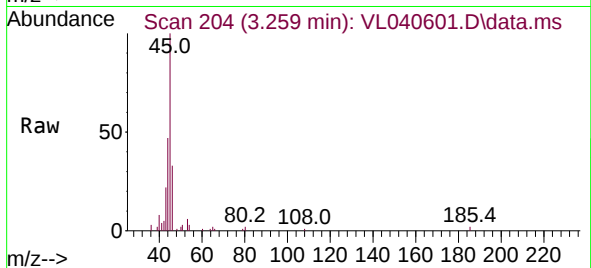
Tgt Ion:101 Resp: 75112
Ion Ratio Lower Upper
101 100
103 56.3 53.4 80.0





#13
Ethanol
Concen: 1.797 ppbv m
RT: 3.259 min Scan# 204
Delta R.T. 0.013 min
Lab File: VL040601.D
Acq: 7 Aug 2023 16:34

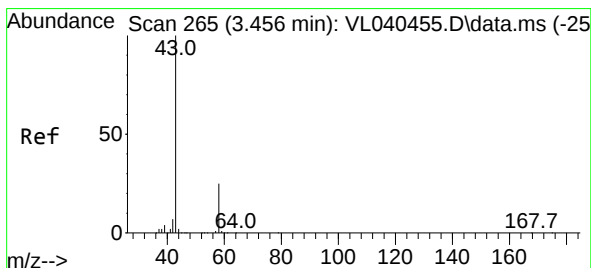
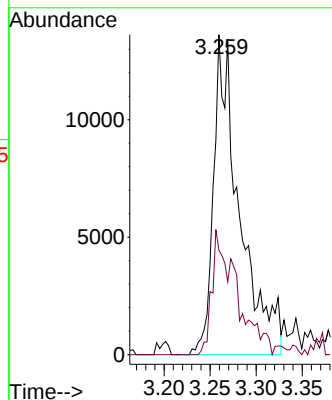
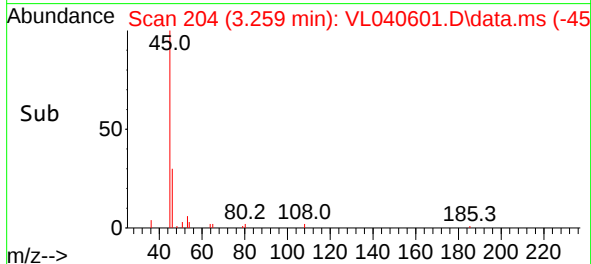
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL



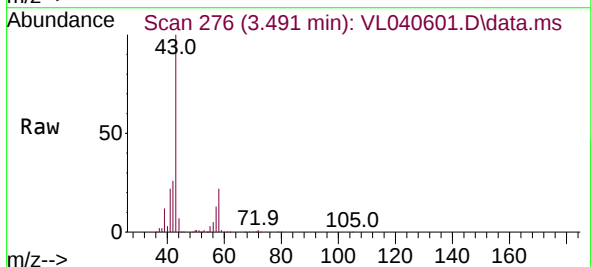
Tgt Ion: 45 Resp: 2663
Ion Ratio Lower Upper
45 100
46 39.7 15.3 61.1

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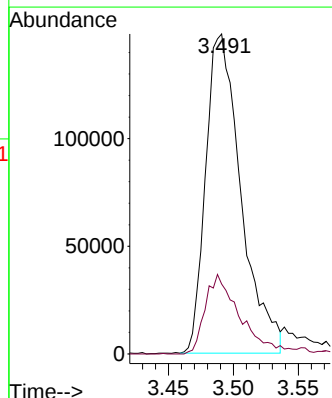
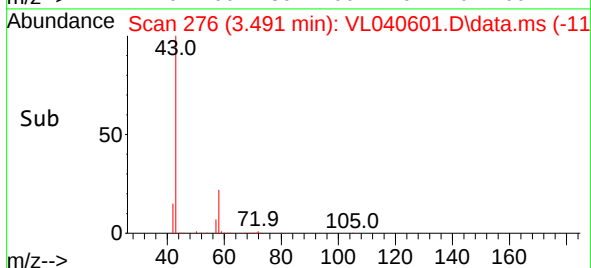
Reviewed By :Semsettin Yesilyurt 08/08/2023
Supervised By :Mahesh Dadoda 08/09/2023

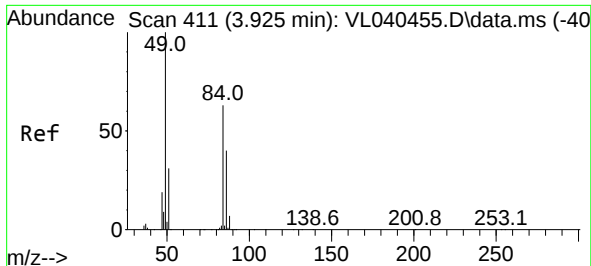


#15
Acetone
Concen: 1.938 ppbv
RT: 3.491 min Scan# 276
Delta R.T. 0.016 min
Lab File: VL040601.D
Acq: 7 Aug 2023 16:34



Tgt Ion: 43 Resp: 280004
Ion Ratio Lower Upper
43 100
58 25.8 22.9 34.3





#20

Methylene Chloride

Concen: 7.762 ppbv

RT: 3.941 min Scan# 411

Delta R.T. -0.000 min

Lab File: VL040601.D

Acq: 7 Aug 2023 16:34

Instrument :

MSVOA_L

ClientSampleId :

SV-1DL

Tgt Ion: 84 Resp: 47705

Ion Ratio Lower Upper

84 100

49 156.3 123.4 185.2

51 47.2 38.3 57.5

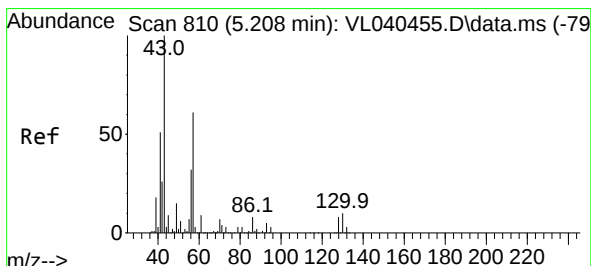
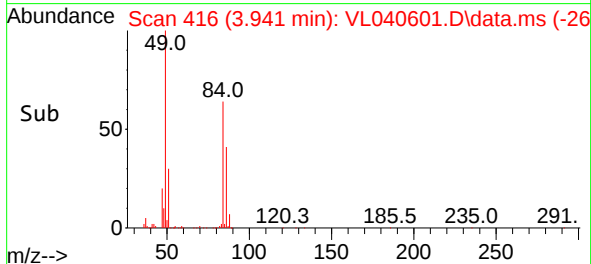
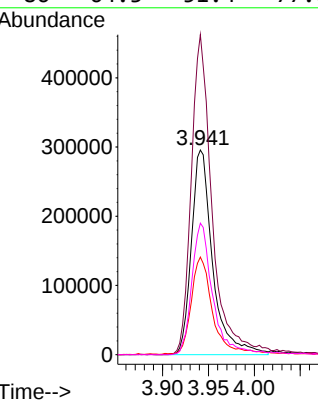
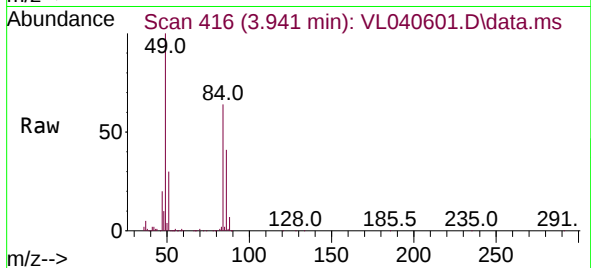
86 64.3 51.4 77.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/08/2023

Supervised By :Mahesh Dadoda 08/09/2023



#26

Hexane

Concen: 2.791 ppbv

RT: 5.224 min Scan# 815

Delta R.T. 0.003 min

Lab File: VL040601.D

Acq: 7 Aug 2023 16:34

Tgt Ion: 57 Resp: 356687

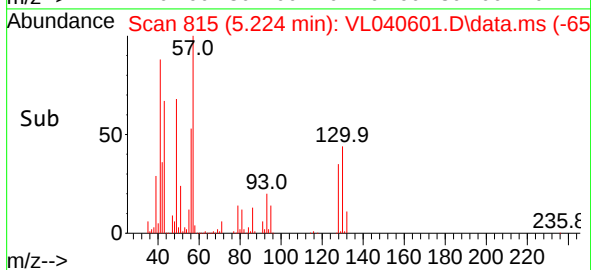
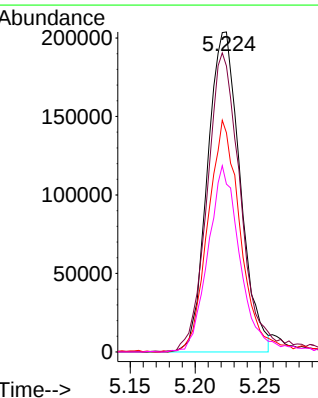
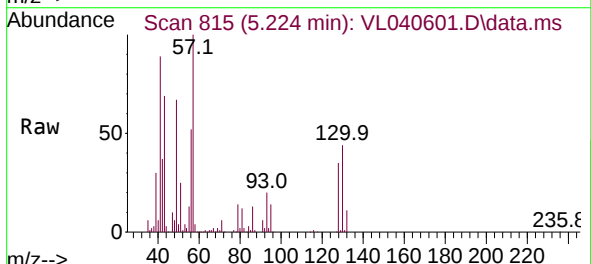
Ion Ratio Lower Upper

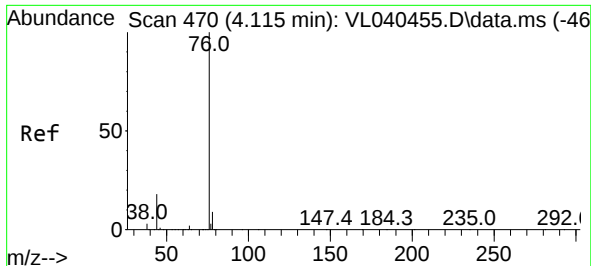
57 100

41 98.9 69.5 104.3

43 74.8 177.1 265.7#

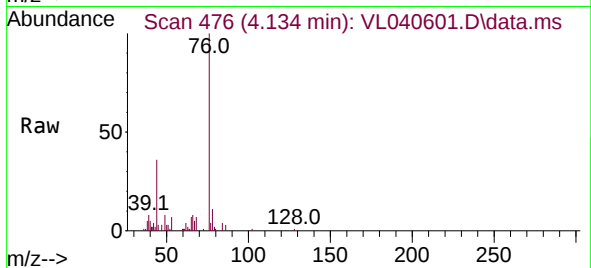
56 58.6 42.3 63.5





#27
Carbon Disulfide
Concen: 0.260 ppbv
RT: 4.134 min Scan# 411
Delta R.T. 0.003 min
Lab File: VL040601.D
Acq: 7 Aug 2023 16:34

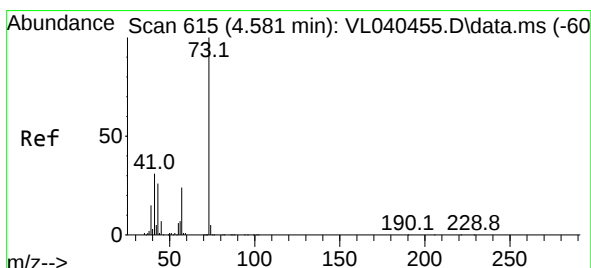
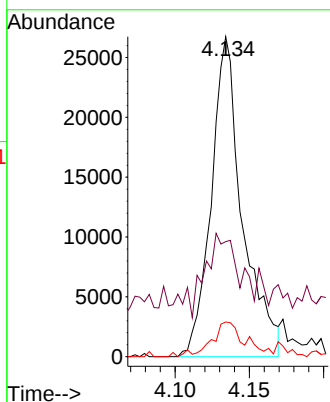
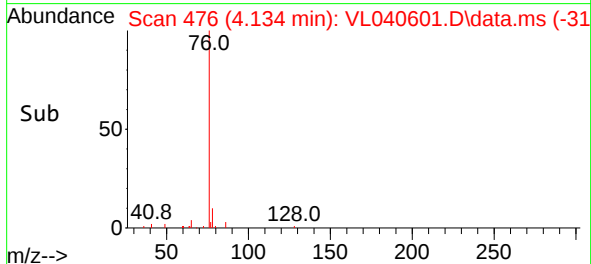
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL



Tgt Ion: 76 Resp: 39010
Ion Ratio Lower Upper
76 100
44 36.8 15.1 22.7
78 14.6 7.5 11.3

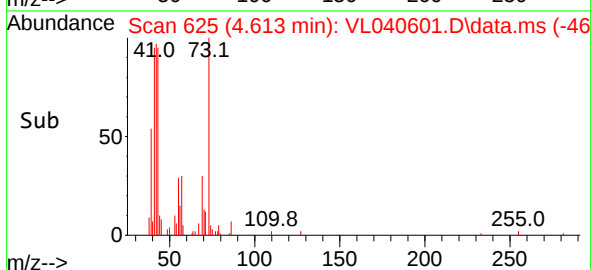
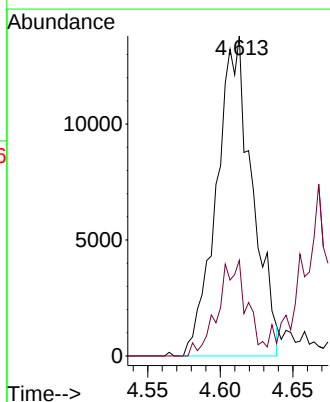
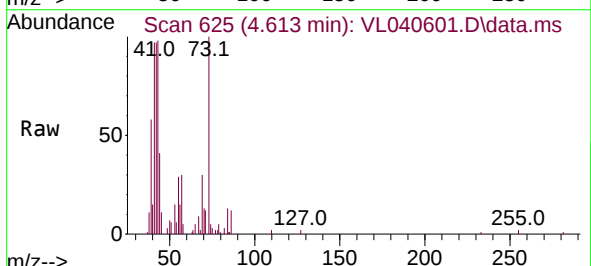
Manual Integrations
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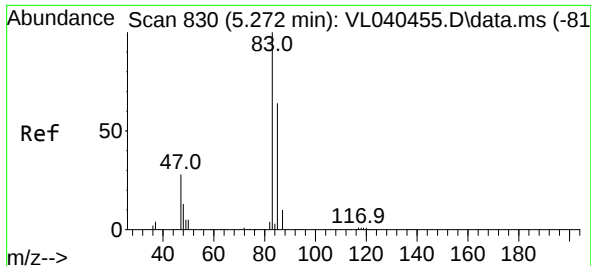
Reviewed By :Semsettin Yesilyurt 08/08/2023
Supervised By :Mahesh Dadoda 08/09/2023



#28
Methyl tert-Butyl Ether
Concen: 0.229 ppbv m
RT: 4.613 min Scan# 625
Delta R.T. 0.019 min
Lab File: VL040601.D
Acq: 7 Aug 2023 16:34

Tgt Ion: 73 Resp: 23530
Ion Ratio Lower Upper
73 100
57 0.0 18.8 28.2





#29

Chloroform

Concen: 0.159 ppbv

RT: 5.285 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL040601.D

Acq: 7 Aug 2023 16:34

Instrument :

MSVOA_L

ClientSampleId :

SV-1DL

Tgt Ion: 83 Resp: 3376

Ion Ratio Lower Upper

83 100

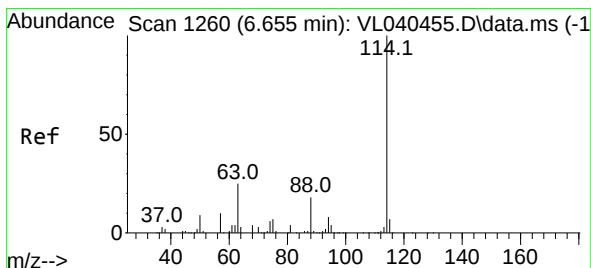
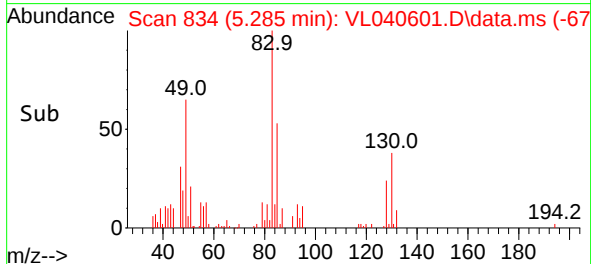
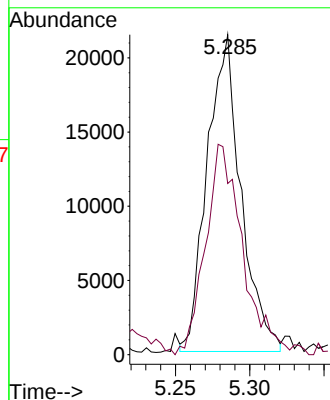
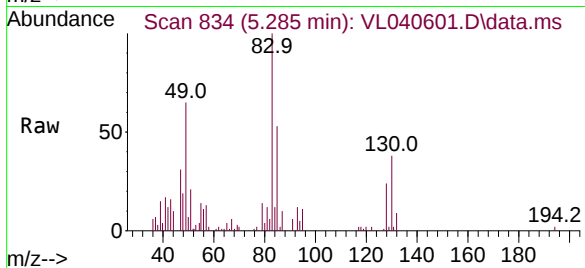
85 52.5 51.1 76.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/08/2023

Supervised By :Mahesh Dadoda 08/09/2023



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.661 min Scan# 1262

Delta R.T. -0.003 min

Lab File: VL040601.D

Acq: 7 Aug 2023 16:34

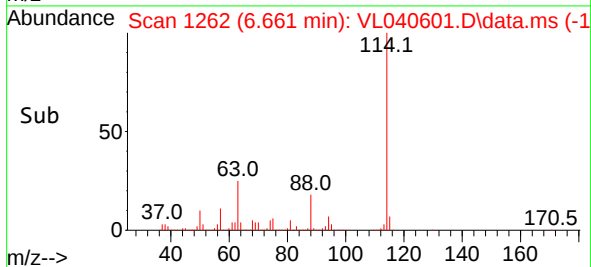
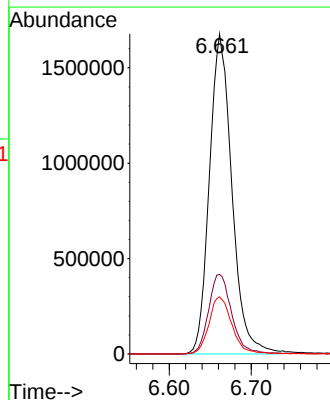
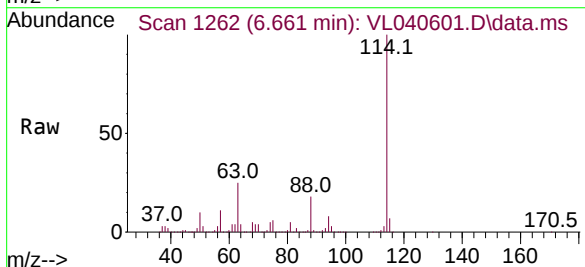
Tgt Ion:114 Resp: 3194951

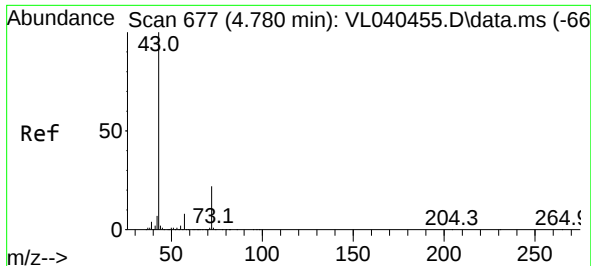
Ion Ratio Lower Upper

114 100

63 25.9 19.6 29.4

88 18.2 14.2 21.2





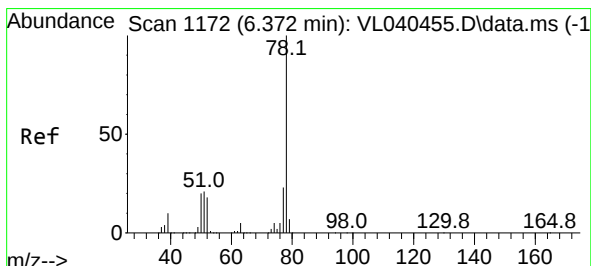
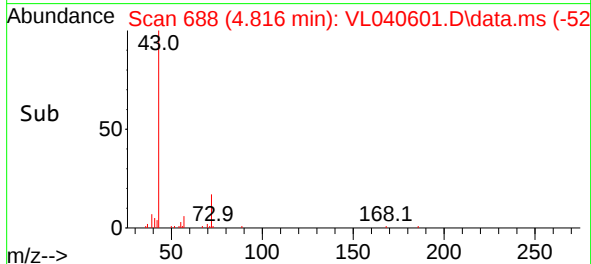
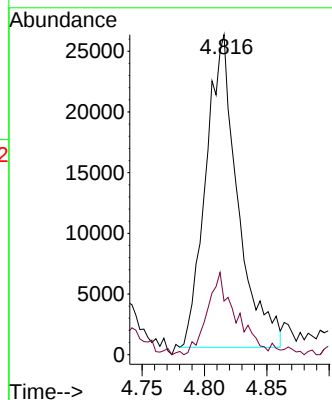
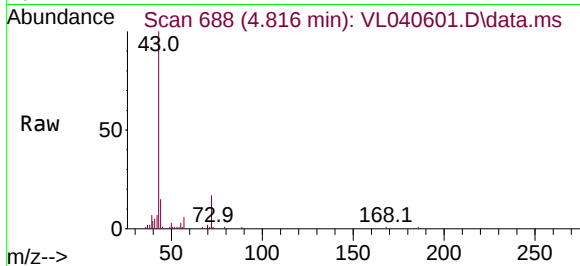
#34
2-Butanone
Concen: 0.291 ppbv
RT: 4.816 min Scan# 61
Delta R.T. 0.022 min
Lab File: VL040601.D
Acq: 7 Aug 2023 16:34

Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Tgt Ion: 43 Resp: 45972
Ion Ratio Lower Upper
43 100
72 25.1 19.1 28.7

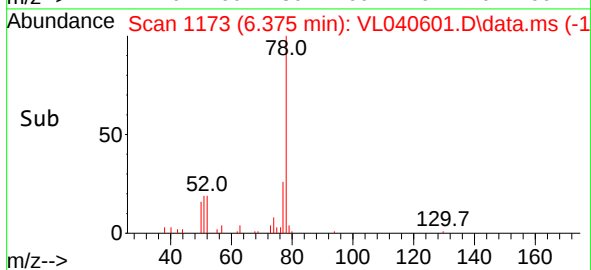
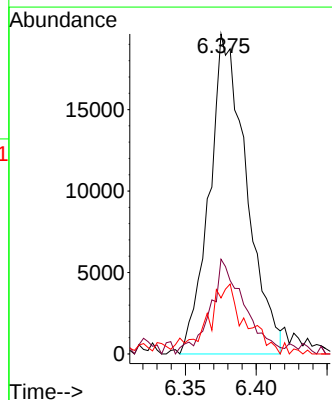
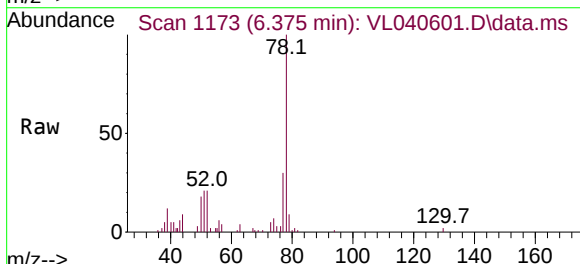
Manual Integrations
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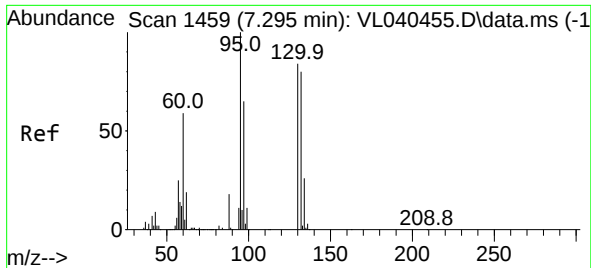
Reviewed By :Semsettin Yesilyurt 08/08/2023
Supervised By :Mahesh Dadoda 08/09/2023



#36
Benzene
Concen: 0.139 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VL040601.D
Acq: 7 Aug 2023 16:34

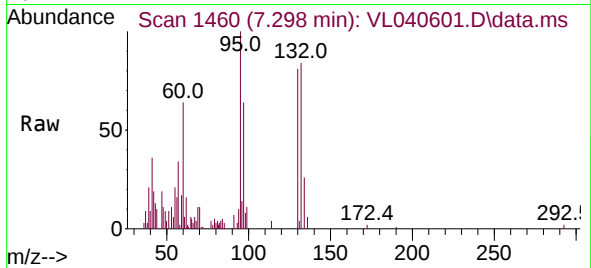
Tgt Ion: 78 Resp: 35802
Ion Ratio Lower Upper
78 100
77 27.7 17.4 26.0#
50 17.5 14.4 21.6





#38
Trichloroethene
Concen: 0.240 ppbv m
RT: 7.298 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VL040601.D
Acq: 7 Aug 2023 16:34

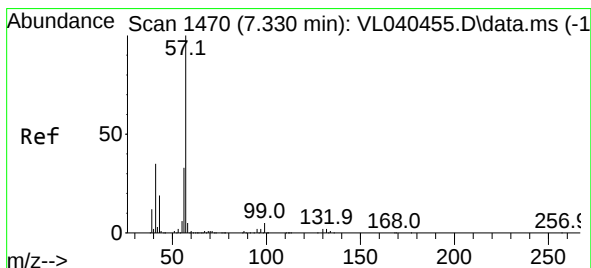
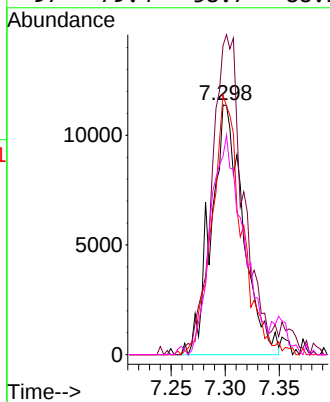
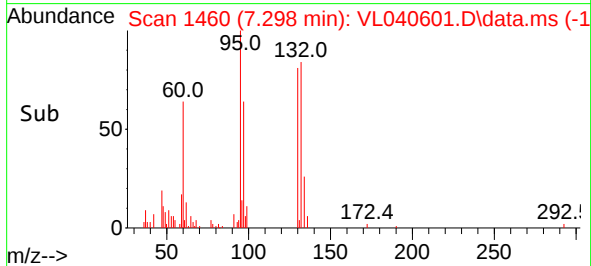
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL



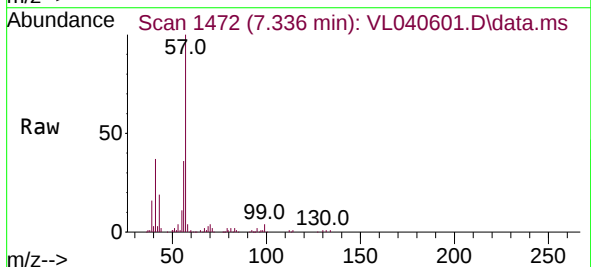
Tgt Ion:130 Resp: 23298
Ion Ratio Lower Upper
130 100
95 123.8 90.2 135.2
132 103.8 76.3 114.5
97 79.4 58.7 88.1

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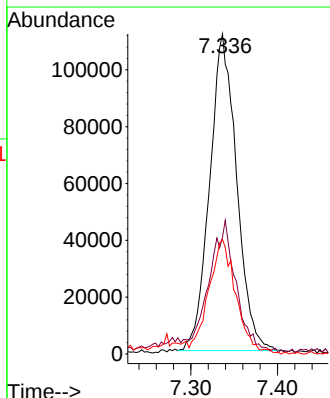
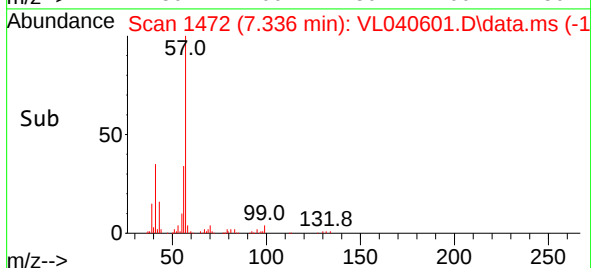
Reviewed By :Semsettin Yesilyurt 08/08/2023
Supervised By :Mahesh Dadoda 08/09/2023

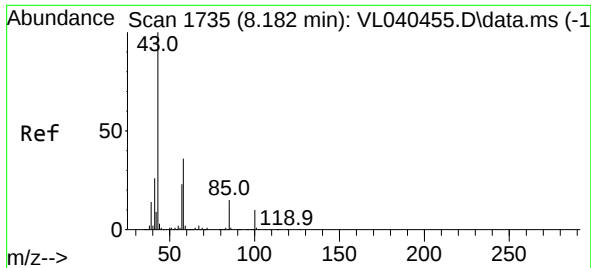


#44
2,2,4-Trimethylpentane
Concen: 0.584 ppbv
RT: 7.336 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VL040601.D
Acq: 7 Aug 2023 16:34



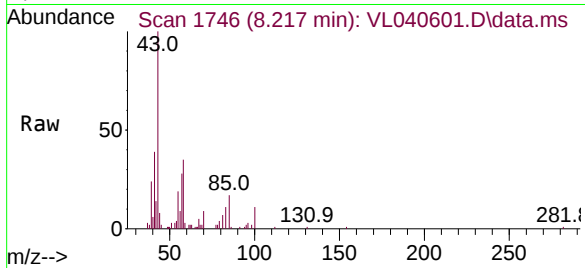
Tgt Ion: 57 Resp: 241430
Ion Ratio Lower Upper
57 100
41 48.6 25.5 38.3#
56 41.8 25.1 37.7#





#50
4-Methyl-2-Pentanone
Concen: 0.304 ppbv m
RT: 8.217 min Scan# 1735
Delta R.T. 0.026 min
Lab File: VL040601.D
Acq: 7 Aug 2023 16:34

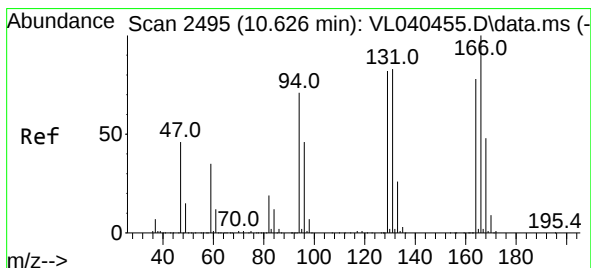
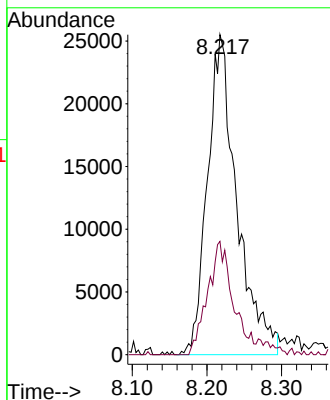
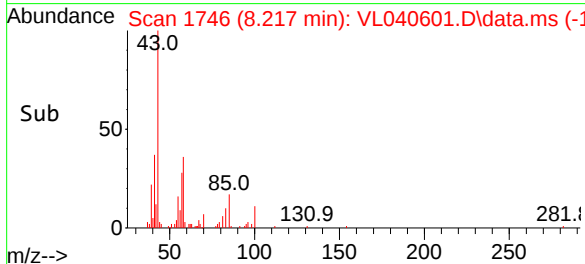
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL



Tgt Ion: 43 Resp: 6972
Ion Ratio Lower Upper
43 100
58 33.6 30.2 45.2

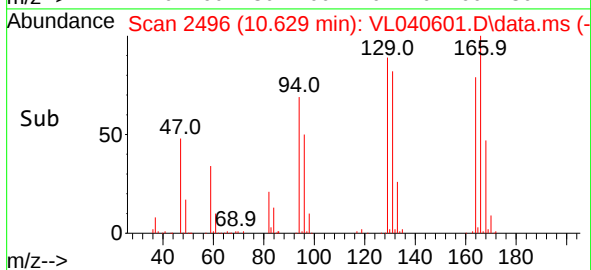
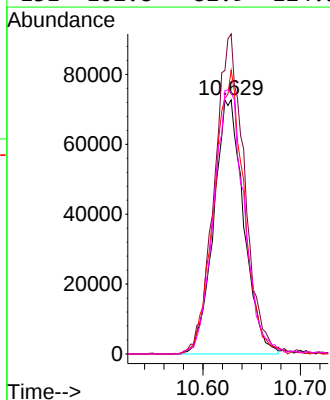
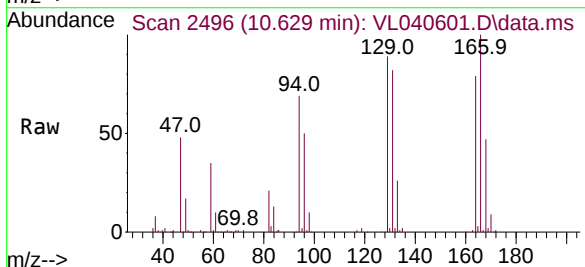
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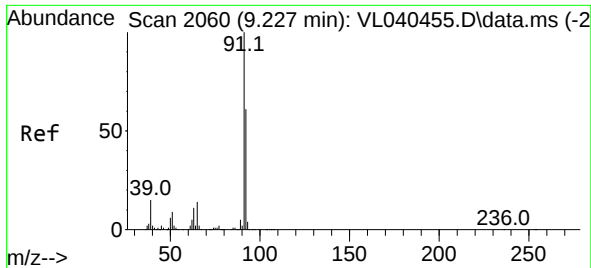
Reviewed By :Semsettin Yesilyurt 08/08/2023
Supervised By :Mahesh Dadoda 08/09/2023



#52
Tetrachloroethene
Concen: 1.867 ppbv
RT: 10.629 min Scan# 2496
Delta R.T. 0.003 min
Lab File: VL040601.D
Acq: 7 Aug 2023 16:34

Tgt Ion:164 Resp: 155448
Ion Ratio Lower Upper
164 100
166 125.9 103.9 155.9
129 111.7 84.6 126.8
131 102.8 82.9 124.3





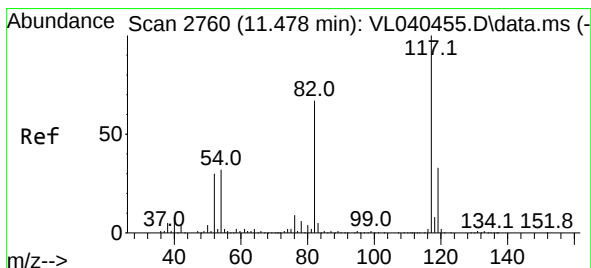
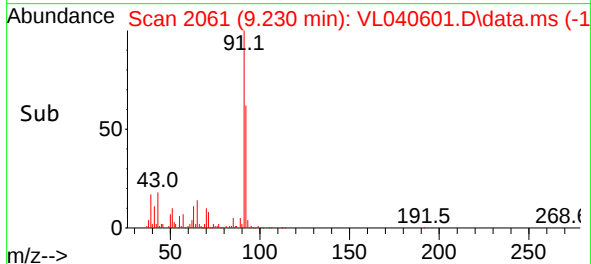
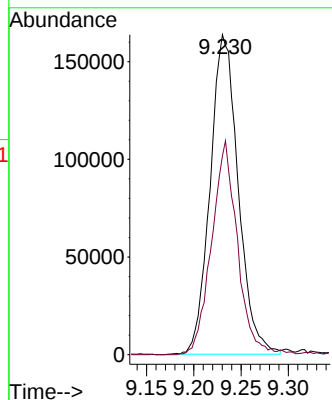
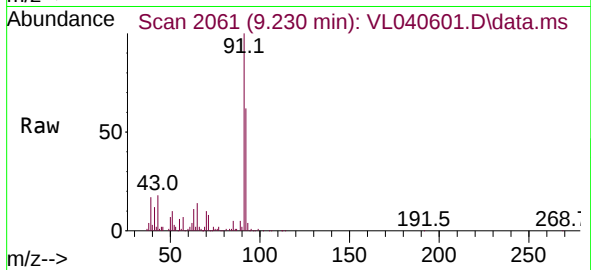
#53
Toluene
Concen: 1.209 ppbv
RT: 9.230 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VL040601.D
Acq: 7 Aug 2023 16:34

Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Tgt Ion: 91 Resp: 33772
Ion Ratio Lower Upper
91 100
92 62.3 49.1 73.7

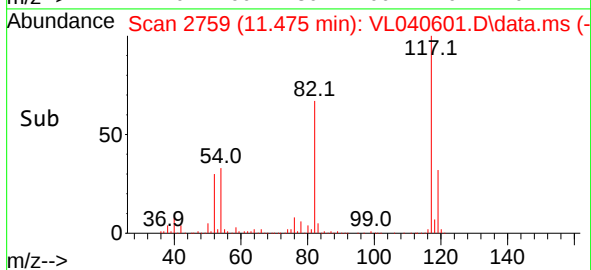
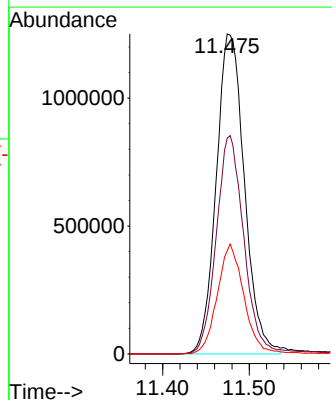
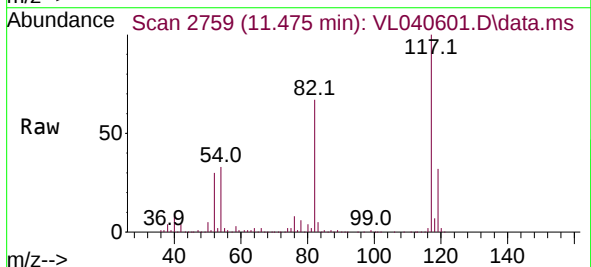
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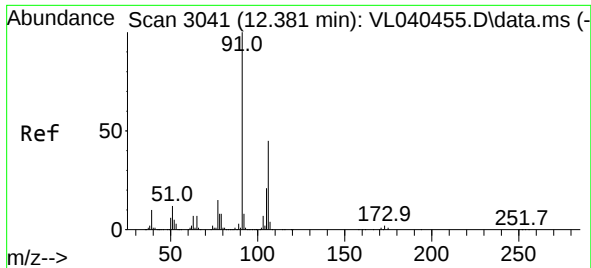
Reviewed By :Semsettin Yesilyurt 08/08/2023
Supervised By :Mahesh Dadoda 08/09/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.475 min Scan# 2759
Delta R.T. -0.003 min
Lab File: VL040601.D
Acq: 7 Aug 2023 16:34

Tgt Ion:117 Resp: 2829906
Ion Ratio Lower Upper
117 100
82 67.5 50.2 75.4
119 32.7 26.9 40.3





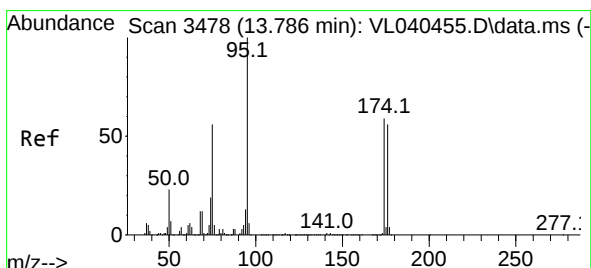
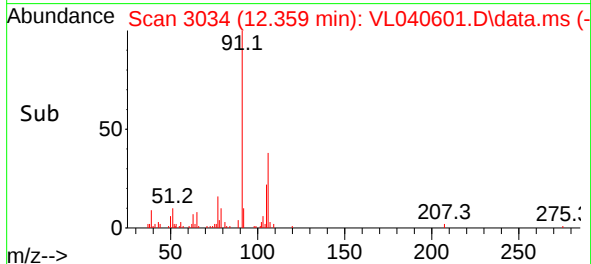
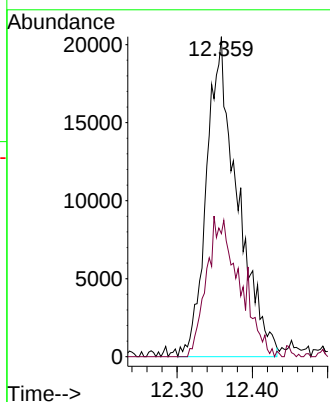
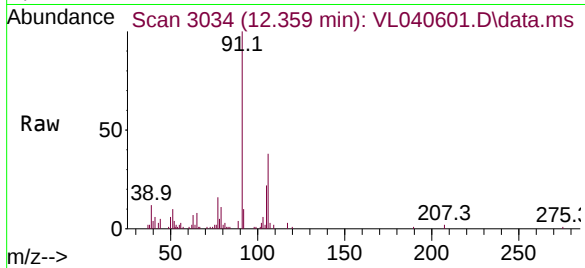
#59
m/p-Xylene
Concen: 0.184 ppbv m
RT: 12.359 min Scan# 3041
Delta R.T. -0.026 min
Lab File: VL040601.D
Acq: 7 Aug 2023 16:34

Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Tgt Ion: 91 Resp: 58225
Ion Ratio Lower Upper
91 100
106 0.0 35.9 53.9

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 08/08/2023
Supervised By :Mahesh Dadoda 08/09/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 10.090 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. 0.003 min
Lab File: VL040601.D
Acq: 7 Aug 2023 16:34

Tgt Ion: 95 Resp: 2259868
Ion Ratio Lower Upper
95 100
174 60.4 50.6 75.8
175 4.4 3.7 5.5

