

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111022\
 Data File : VL039872.D
 Acq On : 10 Nov 2022 20:36
 Operator : SY/AP
 Sample : N5584-03DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2022
 Supervised By :Mahesh Dadoda 11/11/2022

Quant Time: Nov 11 05:02:52 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M

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

QLast Update : Thu Nov 03 09:27:12 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	861918	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	1780887	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	1689792	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1376410	10.882	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.748	85	32598	0.224	ppbv	99
3) Chlorodifluoromethane	2.690	51	39531m	0.385	ppbv	
4) Chloromethane	2.832	50	27111m	0.424	ppbv	
9) Propene	2.719	41	36131m	0.675	ppbv	
11) Trichlorofluoromethane	3.575	101	29312	0.247	ppbv #	76
13) Ethanol	3.250	45	1378288	364.263	ppbv	93
15) Acetone	3.478	43	833134	7.941	ppbv	97
19) Isopropyl Alcohol	3.597	45	65258m	1.257	ppbv	
20) Methylene Chloride	3.941	84	795481	21.194	ppbv	94
26) Hexane	5.214	57	358800	3.724	ppbv #	44
34) 2-Butanone	4.800	43	27819m	0.379	ppbv	
35) Carbon Tetrachloride	6.491	117	8011m	0.077	ppbv	
36) Benzene	6.369	78	32265	0.215	ppbv #	91
44) 2,2,4-Trimethylpentane	7.324	57	34961m	0.138	ppbv	
52) Tetrachloroethene	10.594	164	2074m	0.037	ppbv	
53) Toluene	9.214	91	83955m	0.487	ppbv	
59) m/p-Xylene	12.330	91	43128m	0.226	ppbv	

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

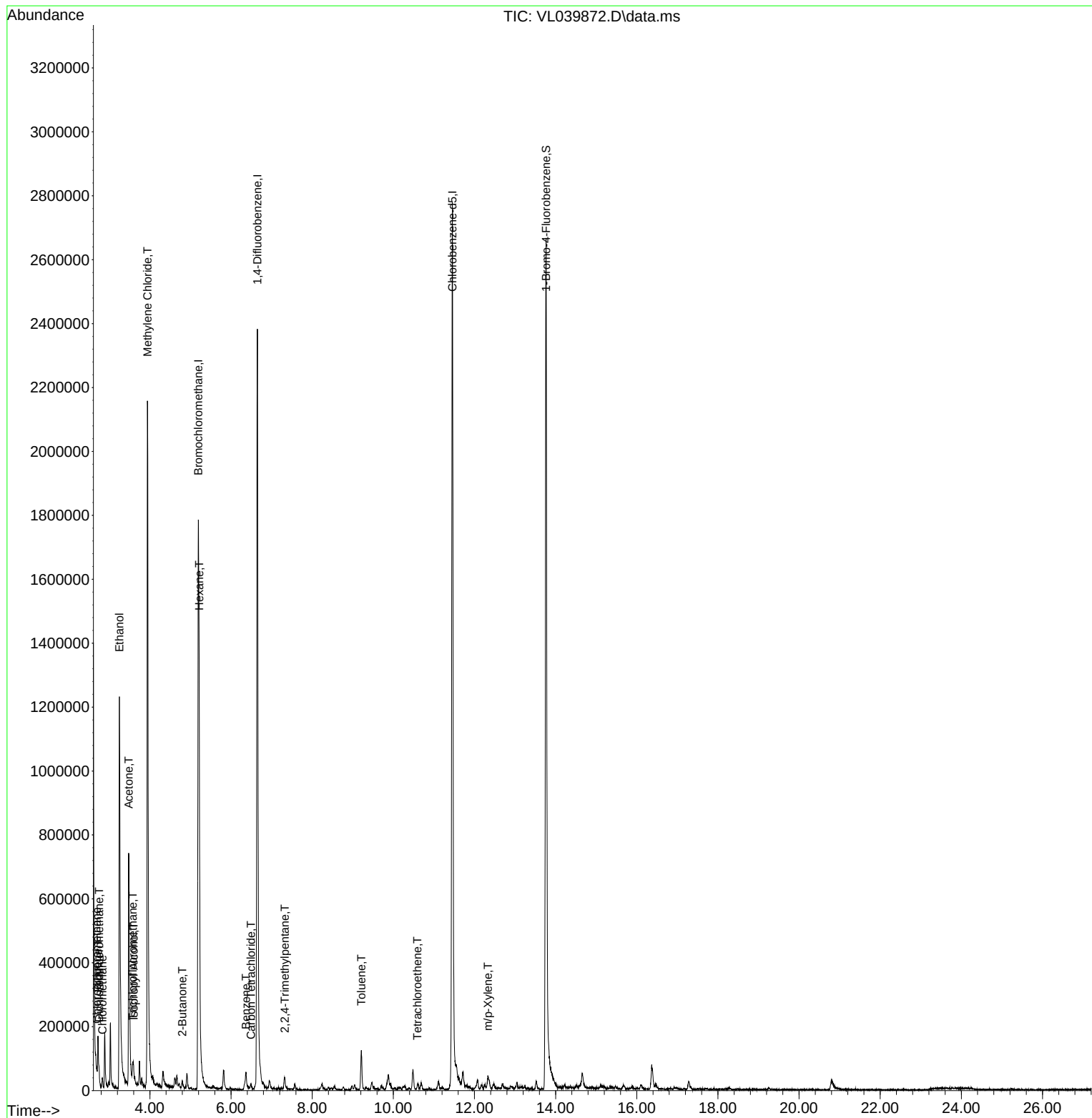
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111022\
Data File : VL039872.D
Acq On : 10 Nov 2022 20:36
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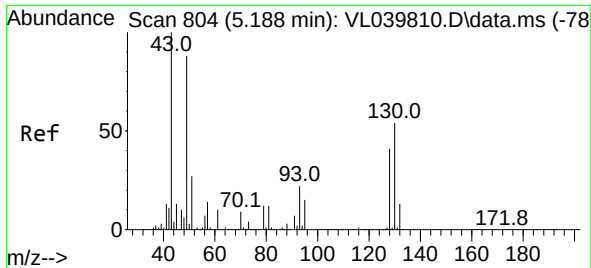
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Quant Time: Nov 11 05:02:52 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Nov 03 09:27:12 2022
Response via : Initial Calibration

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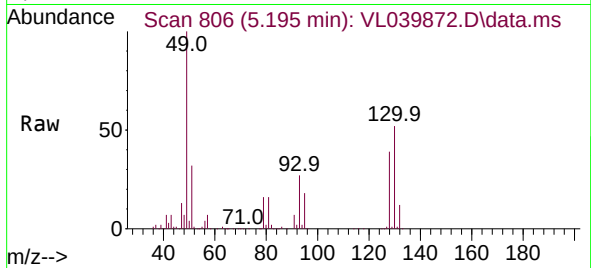
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 804
Delta R.T. 0.007 min
Lab File: VL039872.D
Acq: 10 Nov 2022 20:36

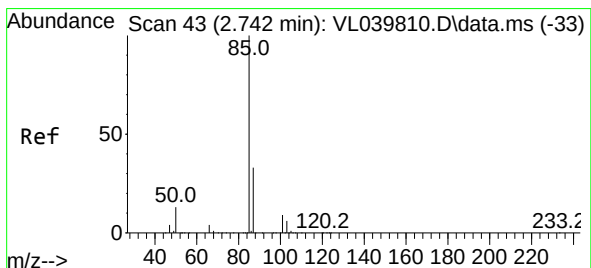
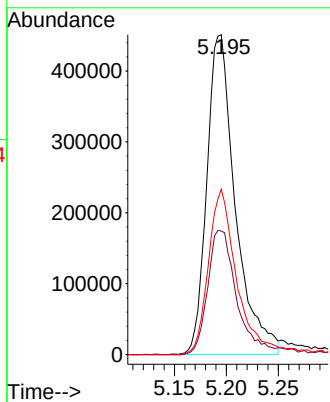
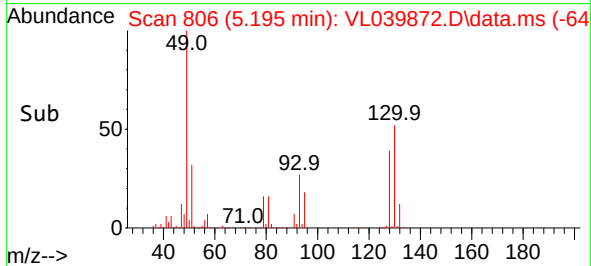
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 49 Resp: 861918
Ion Ratio Lower Upper
49 100
128 42.1 24.6 73.6
130 53.8 31.1 93.2

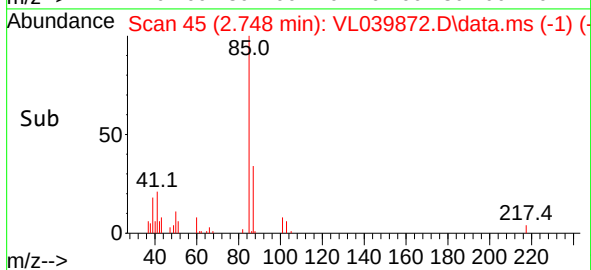
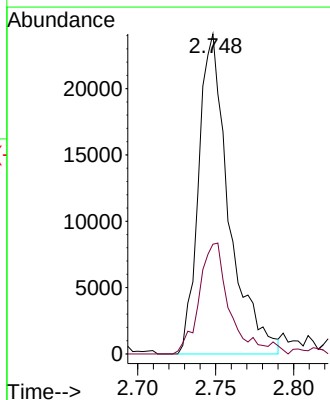
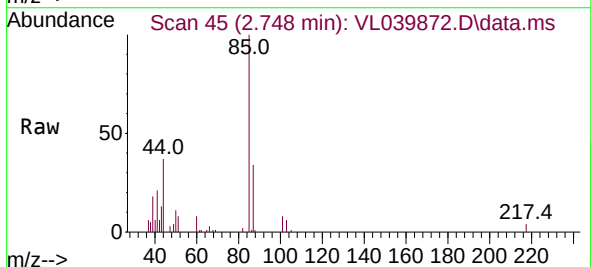
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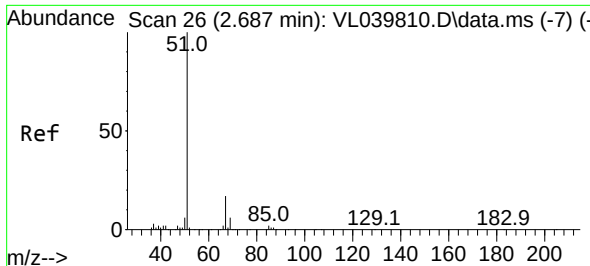
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#2
Dichlorodifluoromethane
Concen: 0.224 ppbv
RT: 2.748 min Scan# 45
Delta R.T. 0.007 min
Lab File: VL039872.D
Acq: 10 Nov 2022 20:36

Tgt Ion: 85 Resp: 32598
Ion Ratio Lower Upper
85 100
87 33.4 26.4 39.6





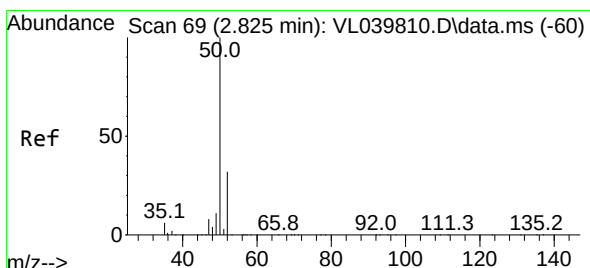
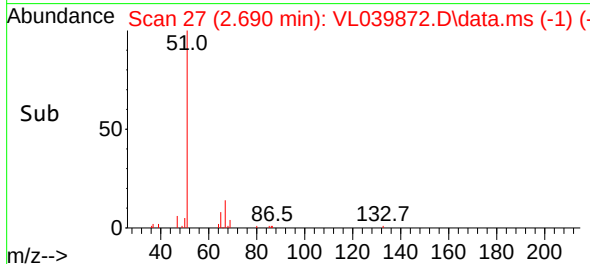
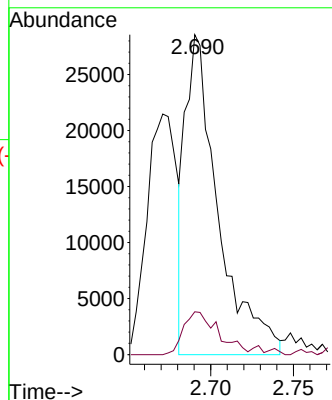
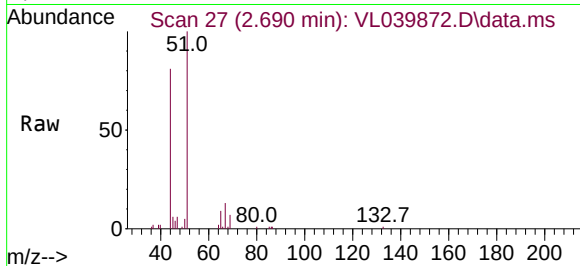
#3
Chlorodifluoromethane
Concen: 0.385 ppbv m
RT: 2.690 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL039872.D
Acq: 10 Nov 2022 20:36

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 51 Resp: 3953
Ion Ratio Lower Upper
51 100
67 14.9 13.2 19.8

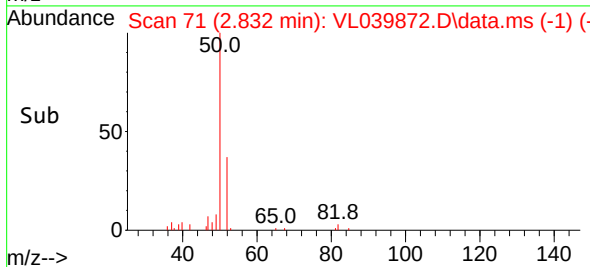
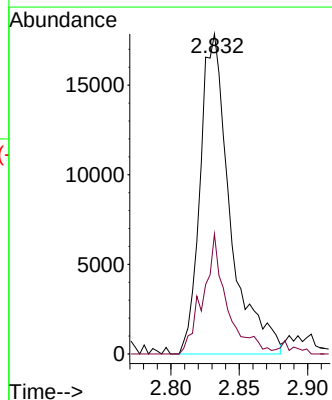
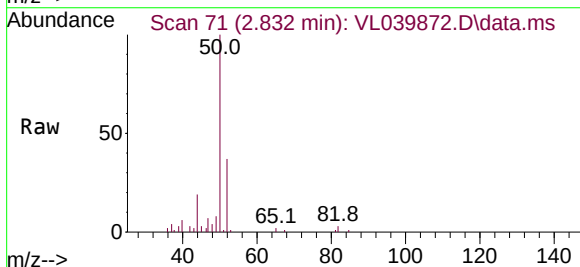
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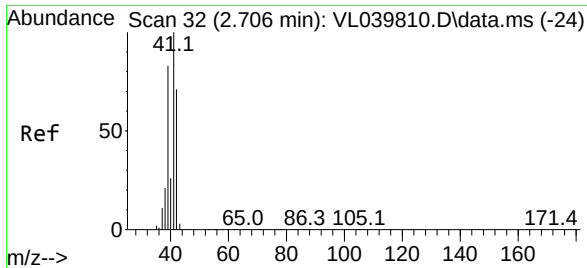
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#4
Chloromethane
Concen: 0.424 ppbv m
RT: 2.832 min Scan# 71
Delta R.T. 0.007 min
Lab File: VL039872.D
Acq: 10 Nov 2022 20:36

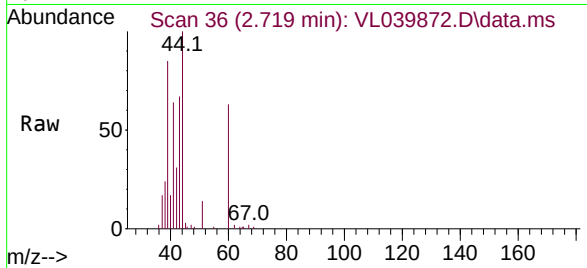
Tgt Ion: 50 Resp: 27111
Ion Ratio Lower Upper
50 100
52 37.5 25.5 38.3





#9
Propene
Concen: 0.675 ppbv m
RT: 2.719 min Scan# 30
Delta R.T. 0.013 min
Lab File: VL039872.D
Acq: 10 Nov 2022 20:36

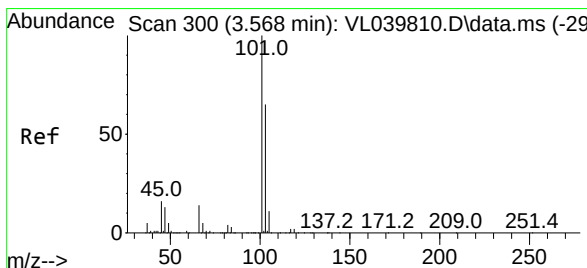
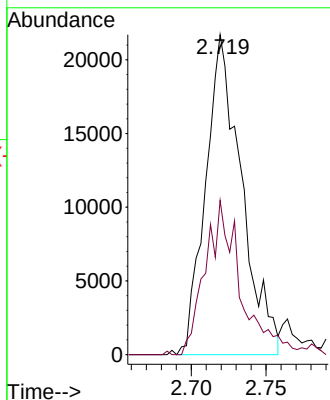
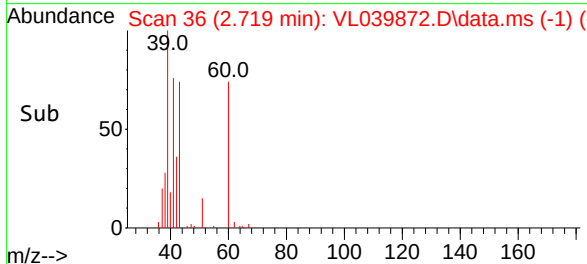
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 41 Resp: 3613
Ion Ratio Lower Upper
41 100
42 48.8 56.3 84.5

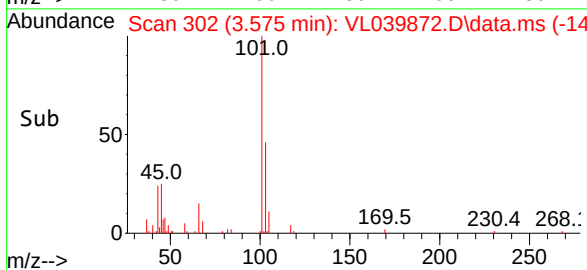
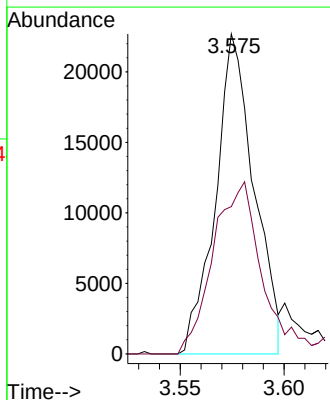
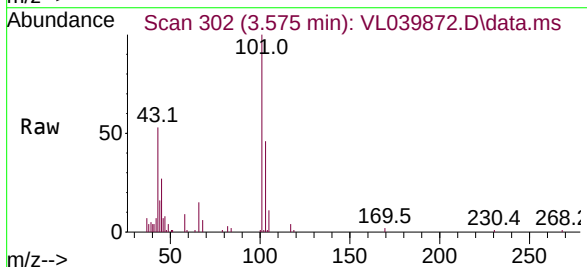
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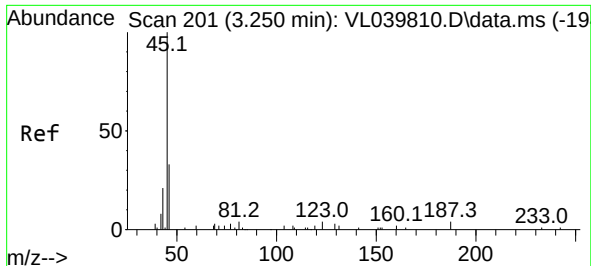
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#11
Trichlorofluoromethane
Concen: 0.247 ppbv
RT: 3.575 min Scan# 302
Delta R.T. 0.007 min
Lab File: VL039872.D
Acq: 10 Nov 2022 20:36

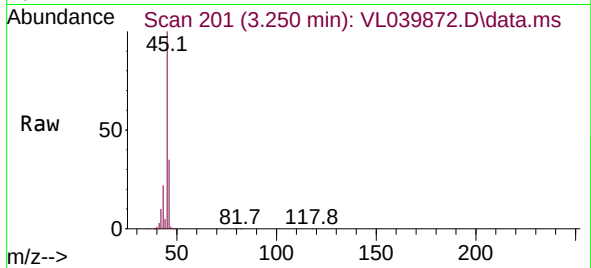
Tgt Ion:101 Resp: 29312
Ion Ratio Lower Upper
101 100
103 46.0 52.2 78.2





#13
Ethanol
Concen: 364.263 ppbv
RT: 3.250 min Scan# 201
Delta R.T. 0.000 min
Lab File: VL039872.D
Acq: 10 Nov 2022 20:36

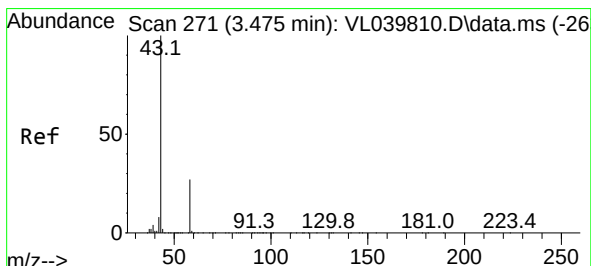
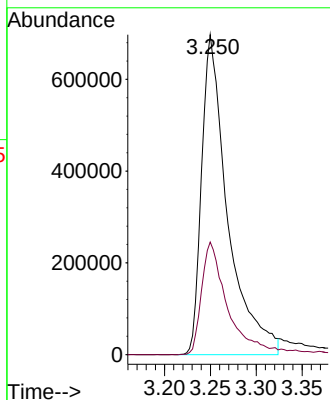
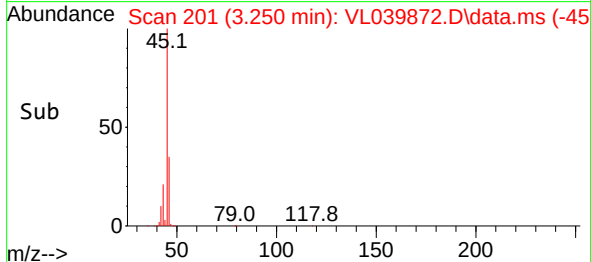
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MSVOA_L
ClientSampleId :
IA1DUP



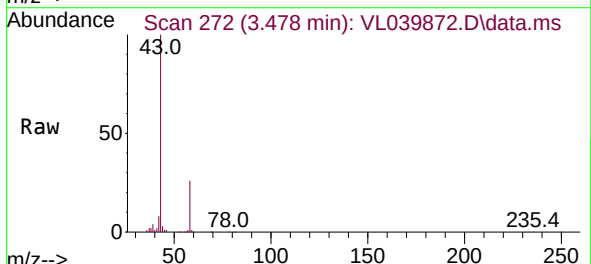
Tgt Ion: 45 Resp: 1378288
Ion Ratio Lower Upper
45 100
46 36.8 16.5 65.9

Manual Integrations
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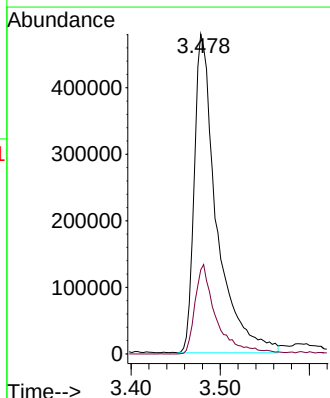
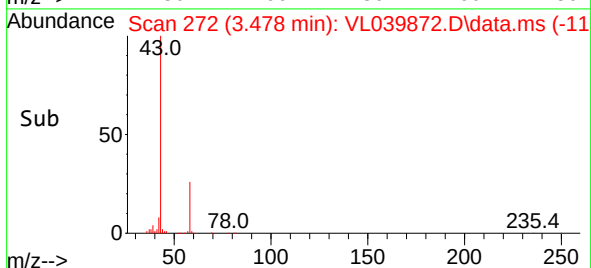
Reviewed By :Semsettin Yesilyurt 11/11/2022
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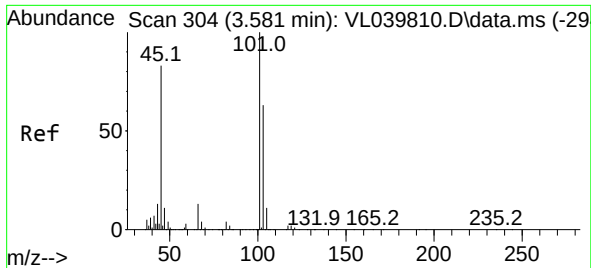


#15
Acetone
Concen: 7.941 ppbv
RT: 3.478 min Scan# 272
Delta R.T. 0.003 min
Lab File: VL039872.D
Acq: 10 Nov 2022 20:36



Tgt Ion: 43 Resp: 833134
Ion Ratio Lower Upper
43 100
58 27.6 23.2 34.8





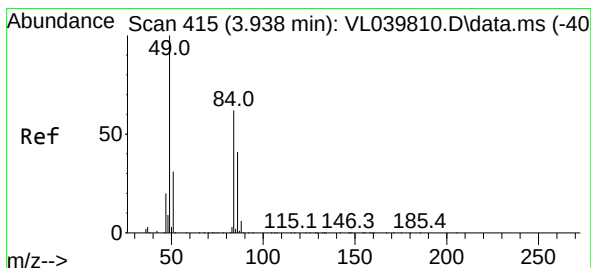
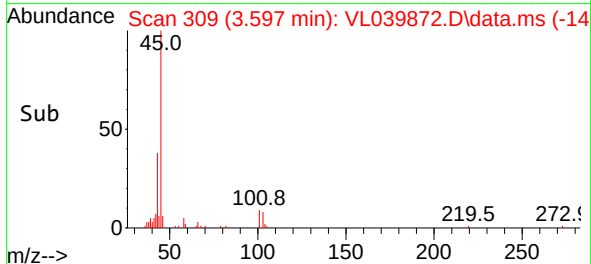
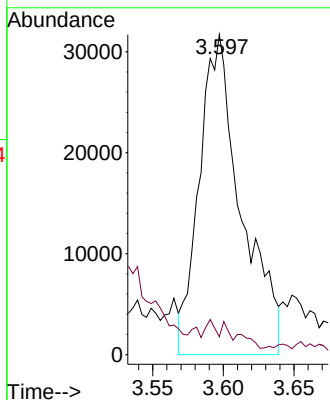
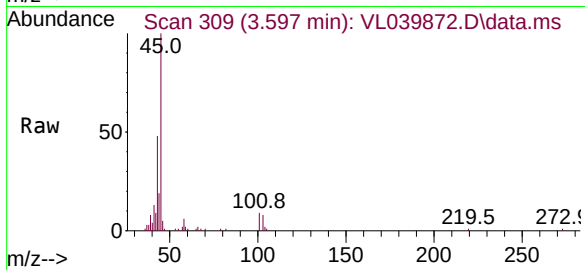
#19
Isopropyl Alcohol
Concen: 1.257 ppbv m
RT: 3.597 min Scan# 304
Delta R.T. 0.016 min
Lab File: VL039872.D
Acq: 10 Nov 2022 20:36

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 45 Resp: 65258
Ion Ratio Lower Upper
45 100
58 352.4 38.3 57.5

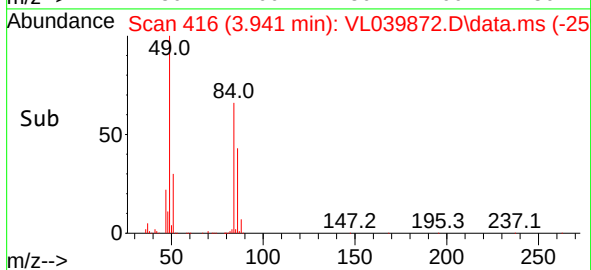
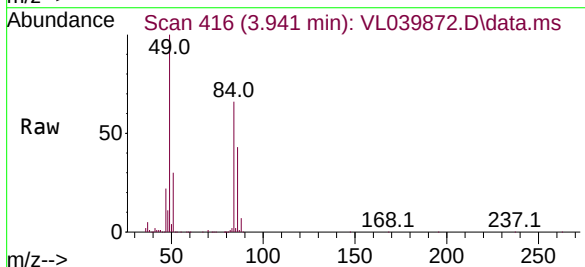
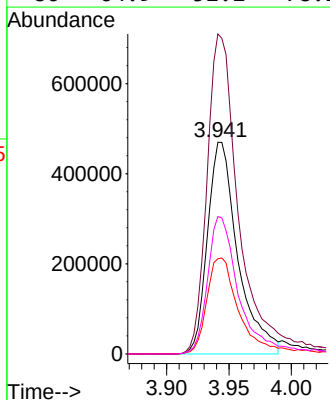
Manual Integrations
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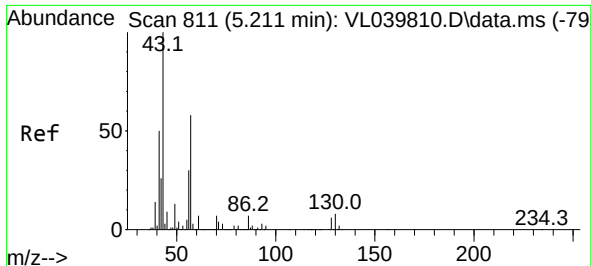
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#20
Methylene Chloride
Concen: 21.194 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.003 min
Lab File: VL039872.D
Acq: 10 Nov 2022 20:36

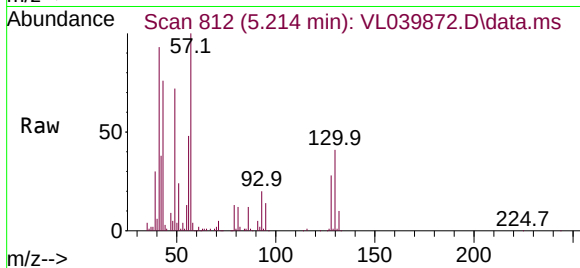
Tgt Ion: 84 Resp: 795481
Ion Ratio Lower Upper
84 100
49 151.2 128.6 192.8
51 44.9 40.2 60.4
86 64.9 52.2 78.2





#26
Hexane
Concen: 3.724 ppbv
RT: 5.214 min Scan# 811
Delta R.T. 0.003 min
Lab File: VL039872.D
Acq: 10 Nov 2022 20:36

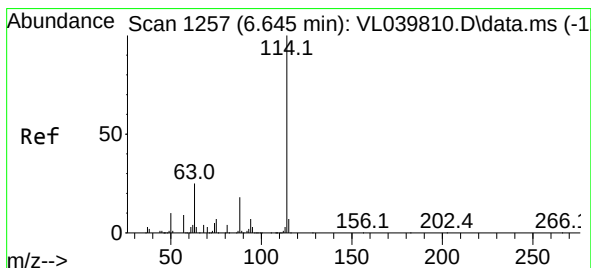
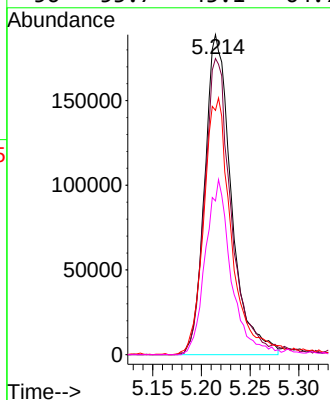
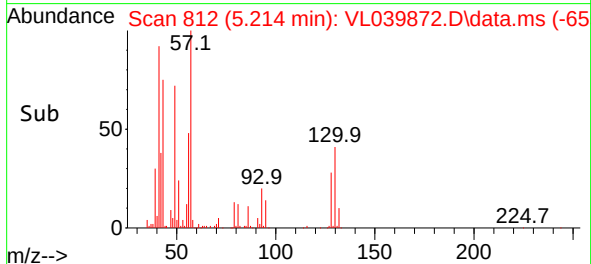
Instrument :
MSVOA_L
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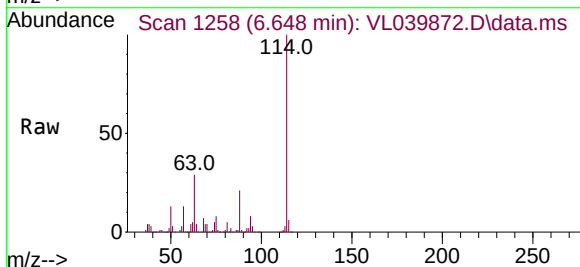
Tgt Ion: 57 Resp: 358800
Ion Ratio Lower Upper
57 100
41 94.6 73.7 110.5
43 85.3 189.8 284.8
56 53.7 43.1 64.7

Manual Integrations
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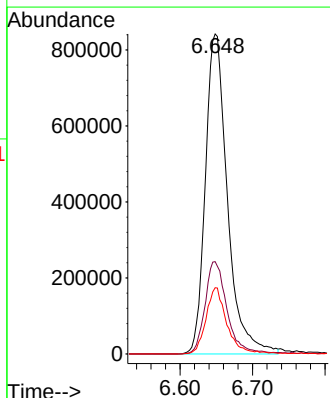
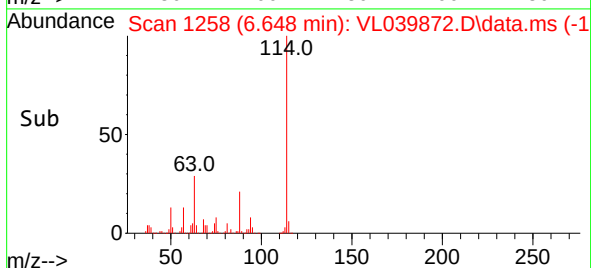
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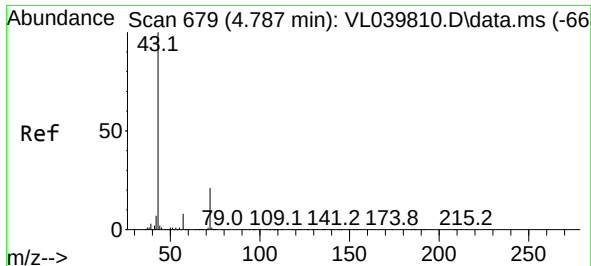


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. 0.003 min
Lab File: VL039872.D
Acq: 10 Nov 2022 20:36



Tgt Ion:114 Resp: 1780887
Ion Ratio Lower Upper
114 100
63 29.1 19.8 29.6
88 19.6 14.4 21.6





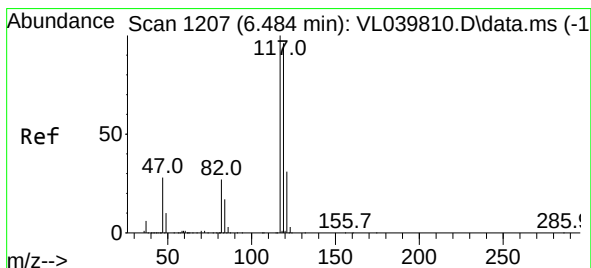
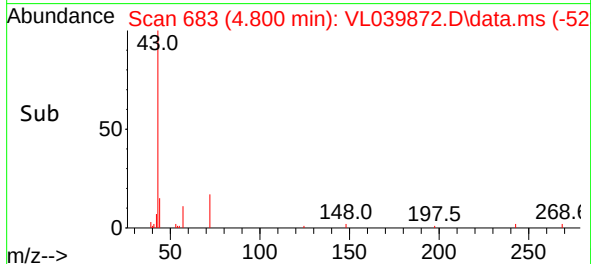
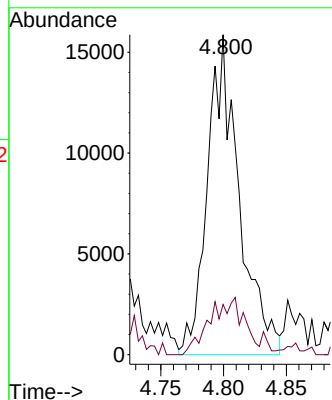
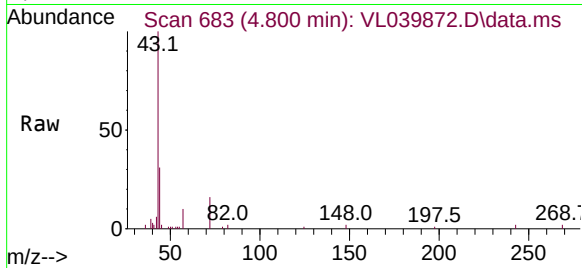
#34
2-Butanone
Concen: 0.379 ppbv m
RT: 4.800 min Scan# 681
Delta R.T. 0.013 min
Lab File: VL039872.D
Acq: 10 Nov 2022 20:36

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 43 Resp: 27819
Ion Ratio Lower Upper
43 100
72 0.0 17.5 26.3

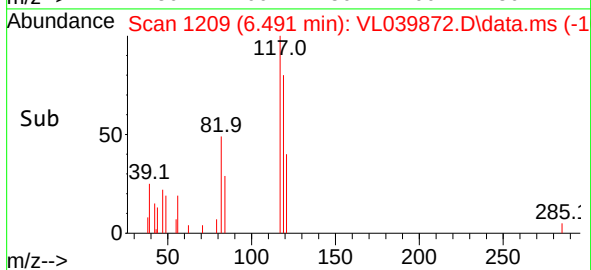
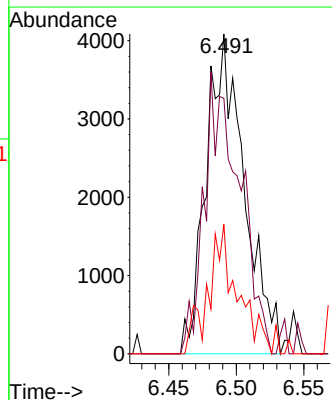
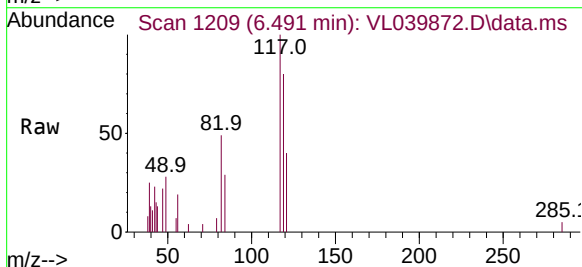
Manual Integrations
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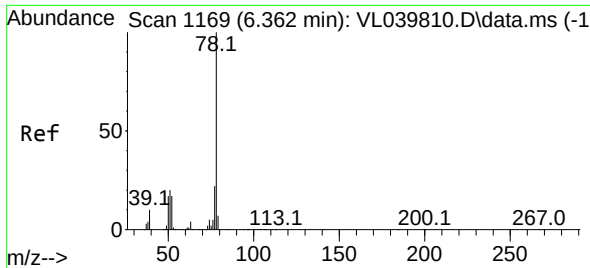
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#35
Carbon Tetrachloride
Concen: 0.077 ppbv m
RT: 6.491 min Scan# 1209
Delta R.T. 0.007 min
Lab File: VL039872.D
Acq: 10 Nov 2022 20:36

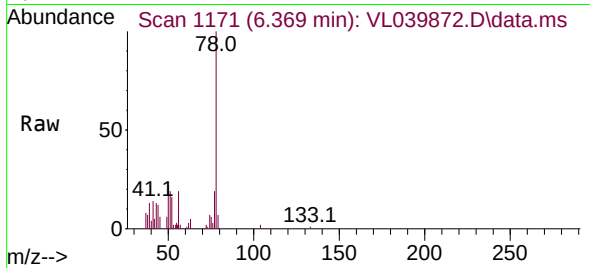
Tgt Ion:117 Resp: 8011
Ion Ratio Lower Upper
117 100
119 79.9 76.5 114.7
121 40.5 25.2 37.8





#36
Benzene
Concen: 0.215 ppbv
RT: 6.369 min Scan# 1169
Delta R.T. 0.007 min
Lab File: VL039872.D
Acq: 10 Nov 2022 20:36

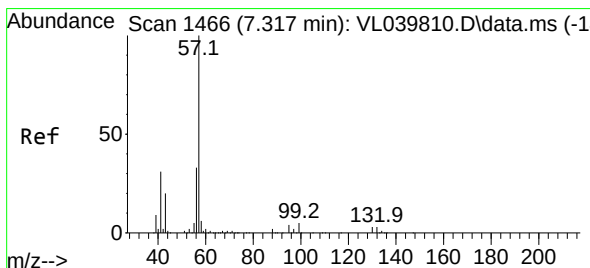
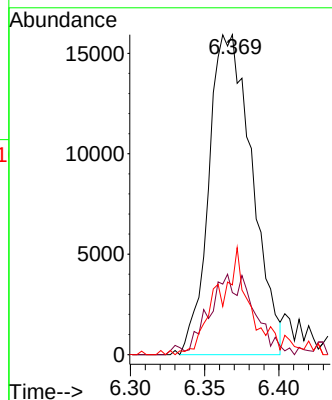
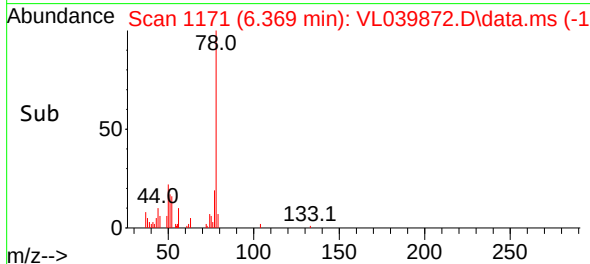
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



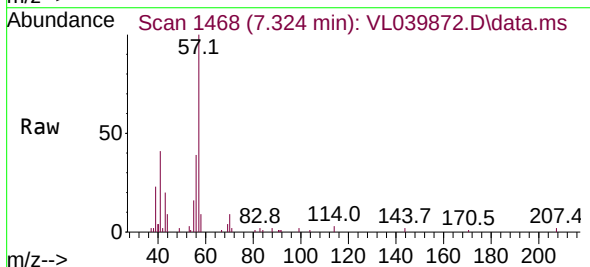
Tgt Ion: 78 Resp: 32265
Ion Ratio Lower Upper
78 100
77 17.2 17.4 26.2#
50 20.6 13.9 20.9

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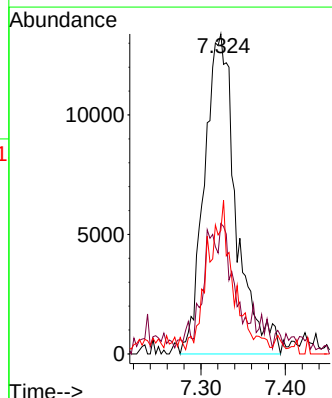
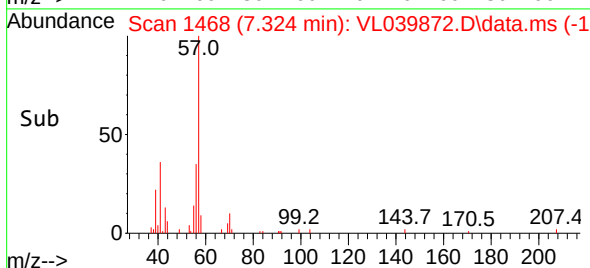
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022

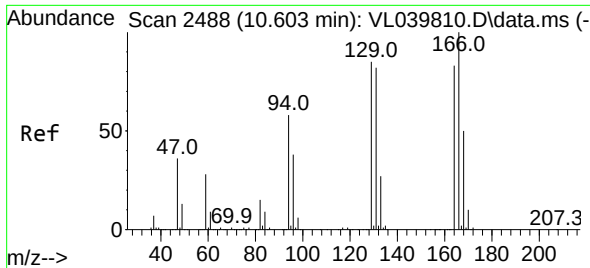


#44
2,2,4-Trimethylpentane
Concen: 0.138 ppbv m
RT: 7.324 min Scan# 1468
Delta R.T. 0.007 min
Lab File: VL039872.D
Acq: 10 Nov 2022 20:36



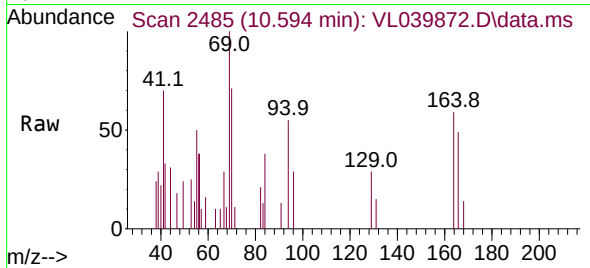
Tgt Ion: 57 Resp: 34961
Ion Ratio Lower Upper
57 100
41 48.7 24.6 36.8#
56 0.0 25.4 38.0#





#52
Tetrachloroethene
Concen: 0.037 ppbv m
RT: 10.594 min Scan# 2488
Delta R.T. -0.009 min
Lab File: VL039872.D
Acq: 10 Nov 2022 20:36

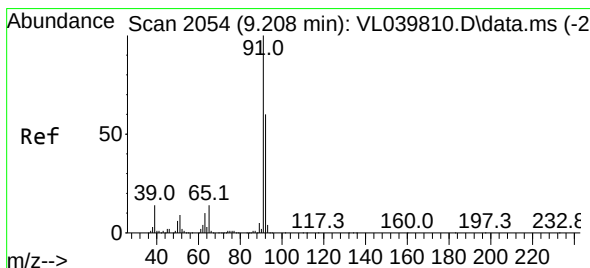
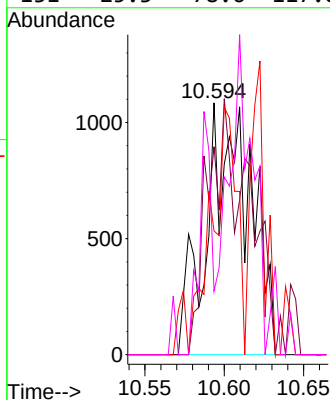
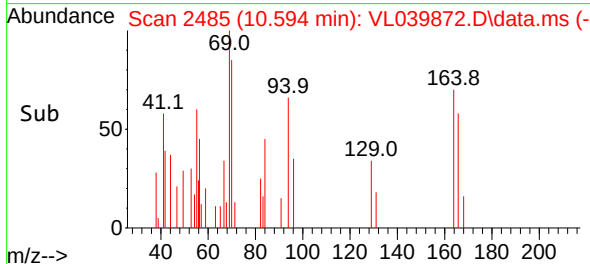
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion:164 Resp: 2074
Ion Ratio Lower Upper
164 100
166 82.6 96.0 144.0
129 49.1 81.4 122.2
131 25.3 78.6 117.8

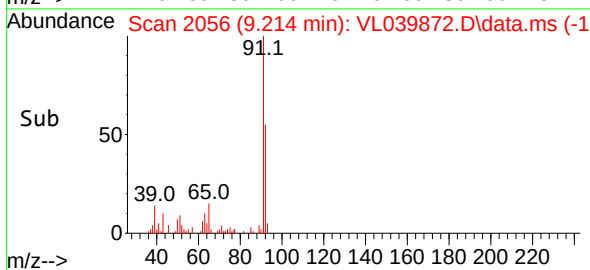
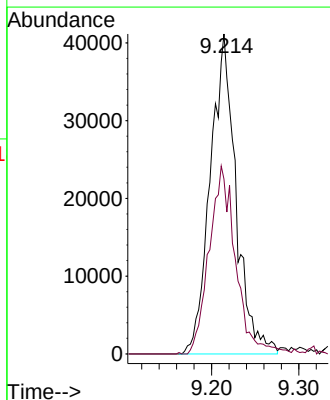
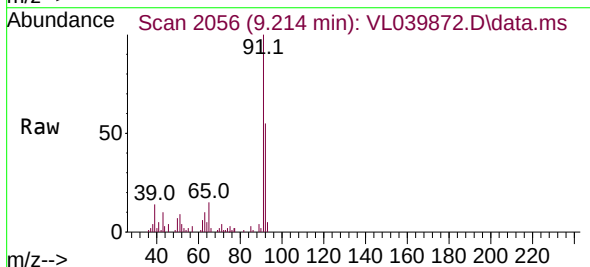
Manual Integrations
APPROVED

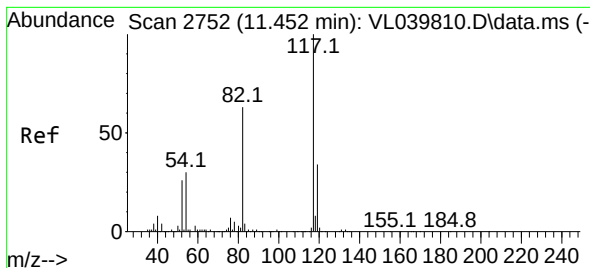
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#53
Toluene
Concen: 0.487 ppbv m
RT: 9.214 min Scan# 2056
Delta R.T. 0.007 min
Lab File: VL039872.D
Acq: 10 Nov 2022 20:36

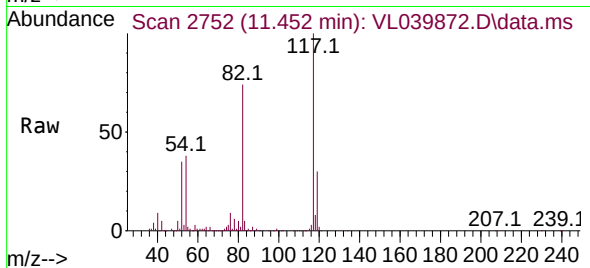
Tgt Ion: 91 Resp: 83955
Ion Ratio Lower Upper
91 100
92 60.7 49.6 74.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 2752
Delta R.T. 0.000 min
Lab File: VL039872.D
Acq: 10 Nov 2022 20:36

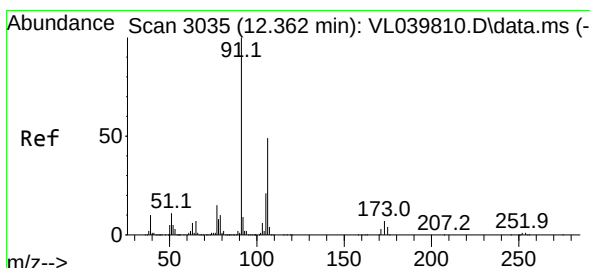
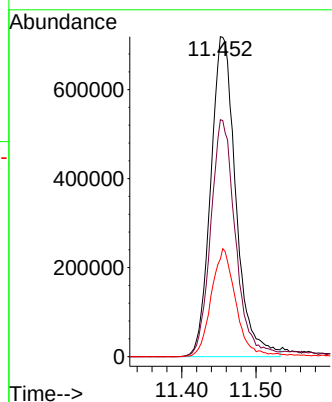
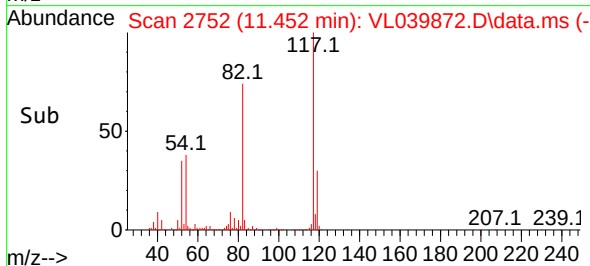
Instrument :
MSVOA_1
ClientSampleId :
IA1DUP



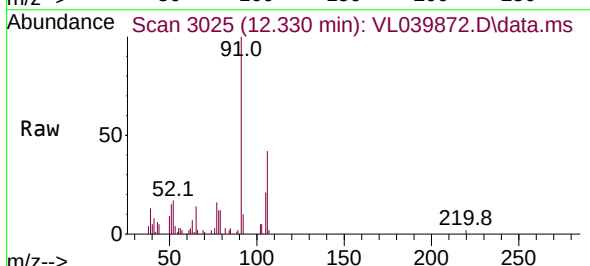
Tgt Ion: 117 Resp: 1689792
Ion Ratio Lower Upper
117 100
82 75.7 51.0 76.6
119 33.4 24.7 37.1

Manual Integrations
APPROVED

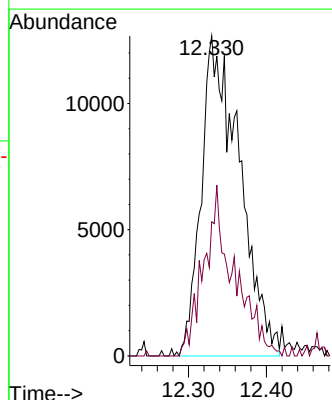
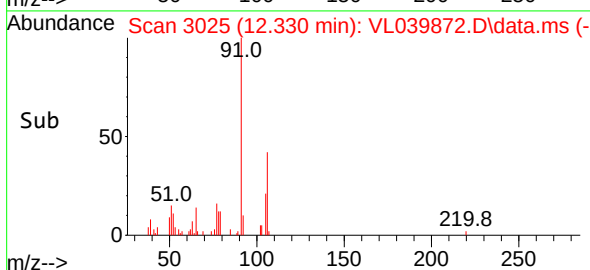
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022

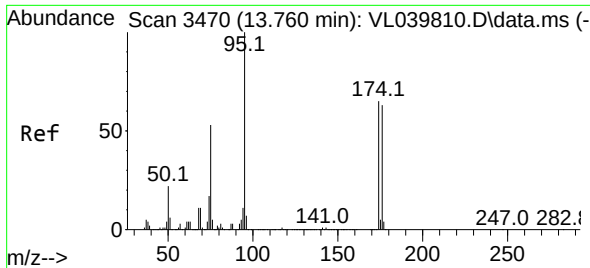


#59
m/p-Xylene
Concen: 0.226 ppbv m
RT: 12.330 min Scan# 3025
Delta R.T. -0.032 min
Lab File: VL039872.D
Acq: 10 Nov 2022 20:36



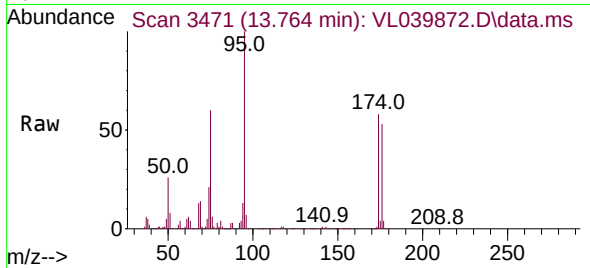
Tgt Ion: 91 Resp: 43128
Ion Ratio Lower Upper
91 100
106 0.0 37.6 56.4#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.882 ppbv
 RT: 13.764 min Scan# 3470
 Delta R.T. 0.003 min
 Lab File: VL039872.D
 Acq: 10 Nov 2022 20:36

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP



Tgt Ion: 95 Resp: 1376410

Ion	Ratio	Lower	Upper
95	100		
174	58.7	53.4	80.0
175	4.2	4.1	6.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2022
 Supervised By :Mahesh Dadoda 11/11/2022

