

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060822\
 Data File : VL039250.D
 Acq On : 9 Jun 2022 1:05
 Operator : SY/AP
 Sample : N3187-03DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-2DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/09/2022
 Supervised By :Mahesh Dadoda 06/09/2022

Quant Time: Jun 09 06:44:28 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 09 06:44:28 2022

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.681	49	851412	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.189	114	1815087	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.102	117	1467931	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.430	95	1381647	11.385	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	113.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.063	85	55393	0.370	ppbv	97
3) Chlorodifluoromethane	3.006	51	51749	0.478	ppbv	94
4) Chloromethane	3.157	50	26596m	0.478	ppbv	
9) Propene	3.031	41	23052	0.488	ppbv	83
11) Trichlorofluoromethane	3.964	101	48571m	0.359	ppbv	
12) 1,1,2-Trichlorotrifluo...	4.504	101	10515m	0.117	ppbv	
13) Ethanol	3.616	45	177774m	69.009	ppbv	
15) Acetone	3.861	43	746518m	8.417	ppbv	
19) Isopropyl Alcohol	3.989	45	42972	1.033	ppbv #	93
20) Methylene Chloride	4.359	84	2036531	54.489	ppbv	96
26) Hexane	5.700	57	1367180	15.564	ppbv #	36
30) Cyclohexane	7.182	84	11004m	0.149	ppbv	
34) 2-Butanone	5.263	43	50623	0.513	ppbv	95
35) Carbon Tetrachloride	7.031	117	10586m	0.080	ppbv	
36) Benzene	6.909	78	20994m	0.142	ppbv	
44) 2,2,4-Trimethylpentane	7.883	57	58782m	0.228	ppbv	
53) Toluene	9.822	91	78744m	0.464	ppbv	
59) m/p-Xylene	12.986	91	27501m	0.154	ppbv	
74) 1,2,4-Trimethylbenzene	16.783	105	33487m	0.170	ppbv	

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

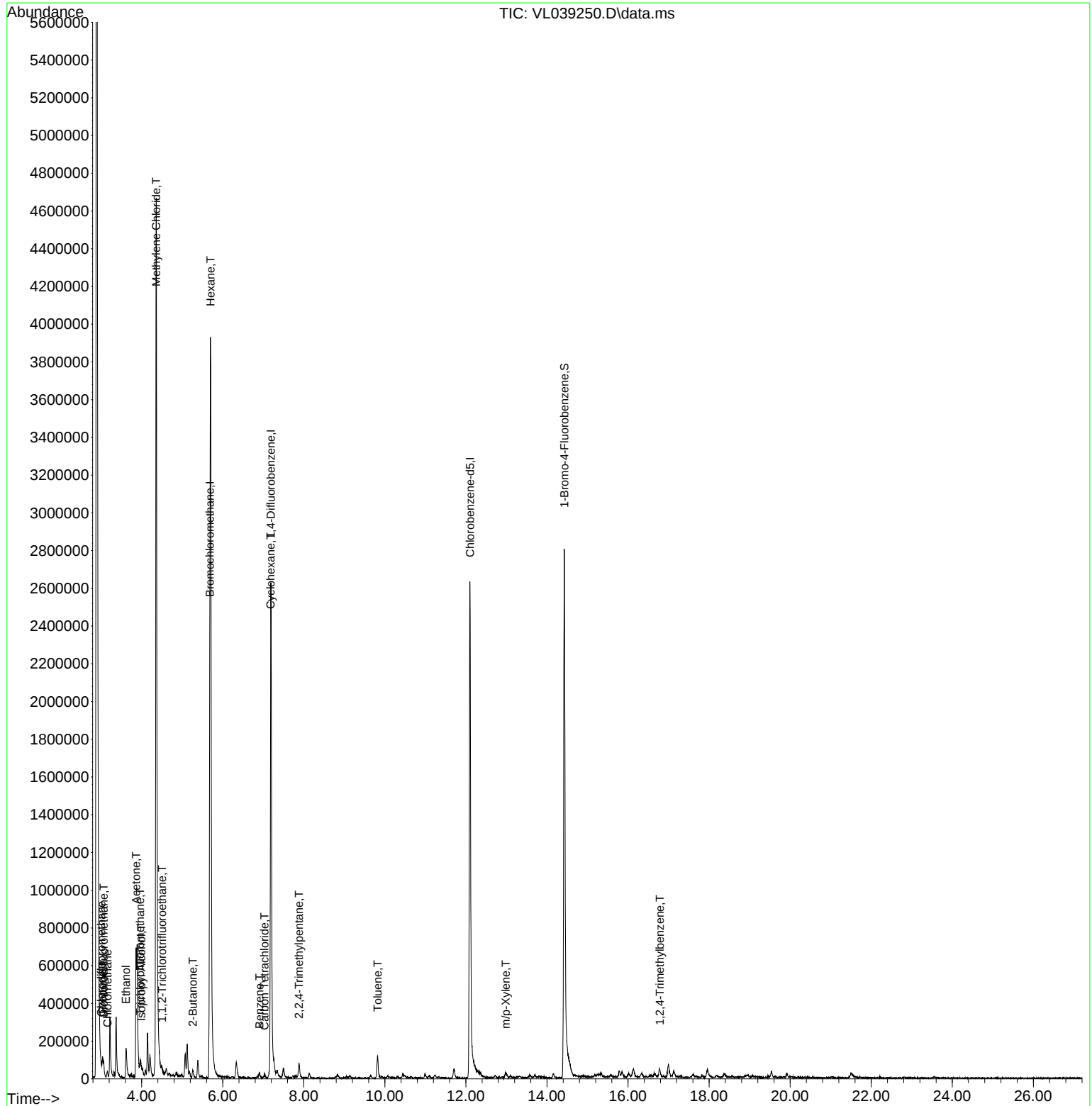
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060822\
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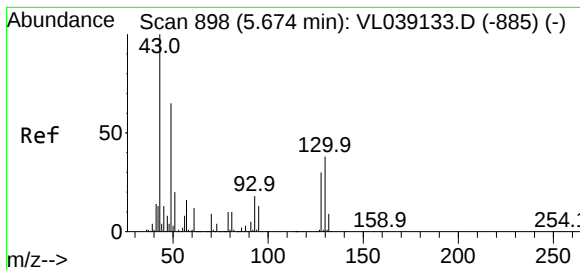
Instrument :
MSVOA_L
ClientSampleId :
AA-2DUP

Quant Time: Jun 09 06:44:28 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration

Manual Integrations
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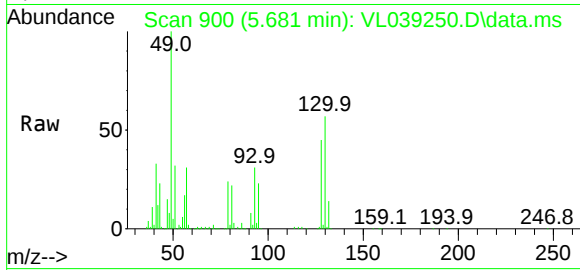
Reviewed By :Semsettin Yesilyurt 06/09/2022
Supervised By :Mahesh Dadoda 06/09/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.681 min Scan# 90
Delta R.T. 0.007 min
Lab File: VL039250.D
Acq: 9 Jun 2022 1:05

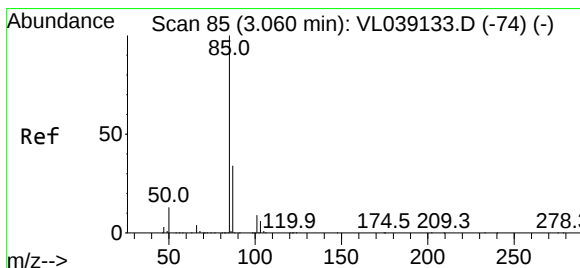
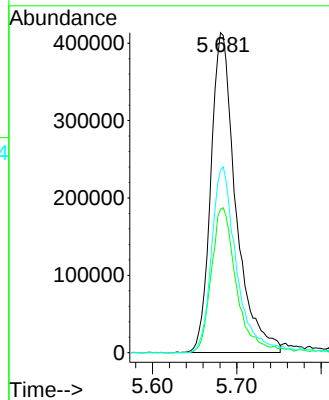
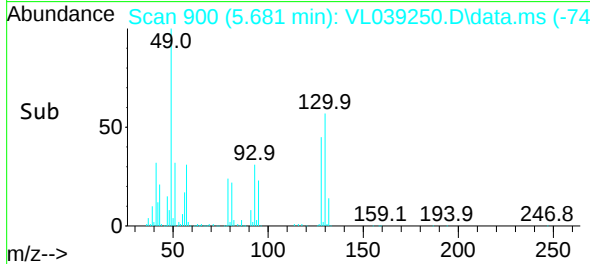
Instrument :
MSVOA_L
ClientSampleId :
AA-2DUP



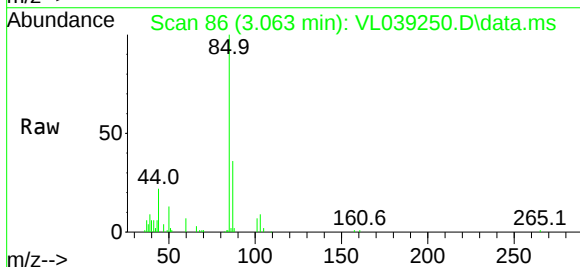
Tgt Ion: 49 Resp: 85141
Ion Ratio Lower Upper
49 100
128 46.4 24.7 74.1
130 58.6 31.4 94.0

Manual Integrations
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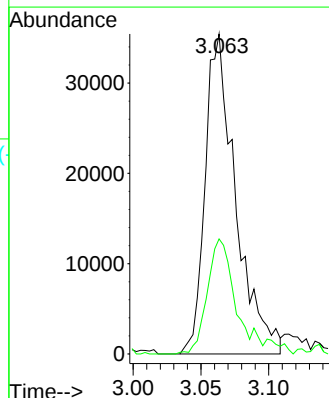
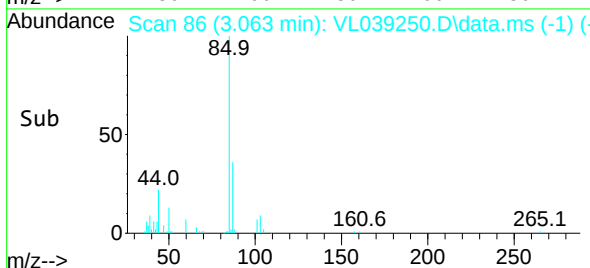
Reviewed By :Semsettin Yesilyurt 06/09/2022
Supervised By :Mahesh Dadoda 06/09/2022

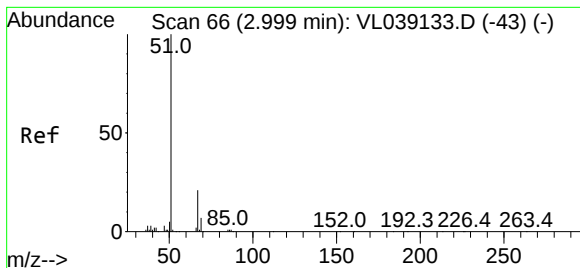


#2
Dichlorodifluoromethane
Concen: 0.370 ppbv
RT: 3.063 min Scan# 86
Delta R.T. 0.003 min
Lab File: VL039250.D
Acq: 9 Jun 2022 1:05



Tgt Ion: 85 Resp: 55393
Ion Ratio Lower Upper
85 100
87 35.4 26.9 40.3





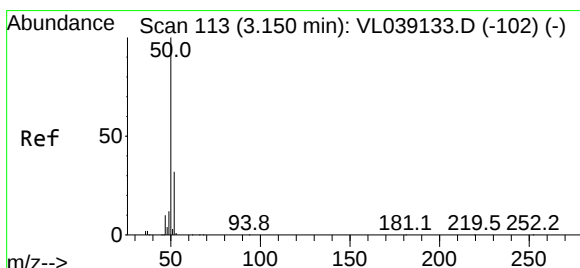
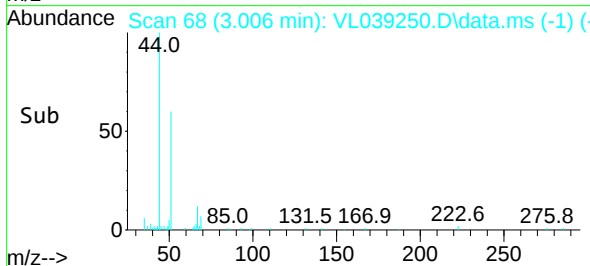
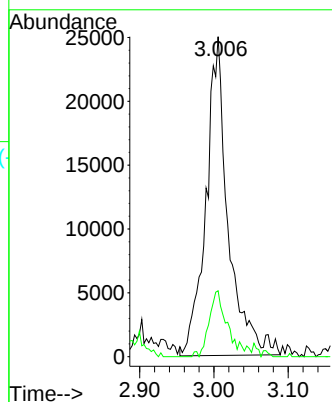
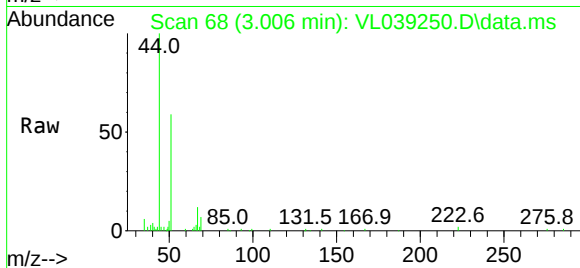
#3
Chlorodifluoromethane
Concen: 0.478 ppbv
RT: 3.006 min Scan# 61
Delta R.T. 0.007 min
Lab File: VL039250.D
Acq: 9 Jun 2022 1:05

Instrument :
MSVOA_L
ClientSampleId :
AA-2DUP

Tgt Ion: 51 Resp: 51749
Ion Ratio Lower Upper
51 100
67 17.3 16.2 24.4

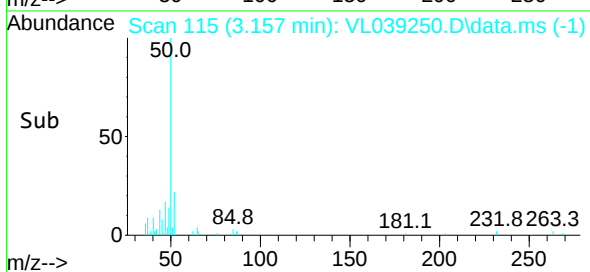
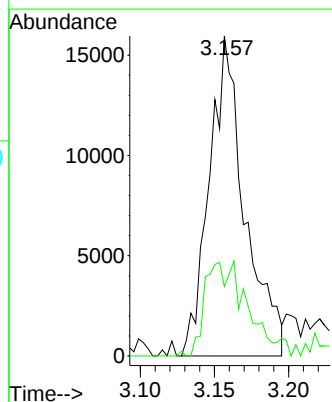
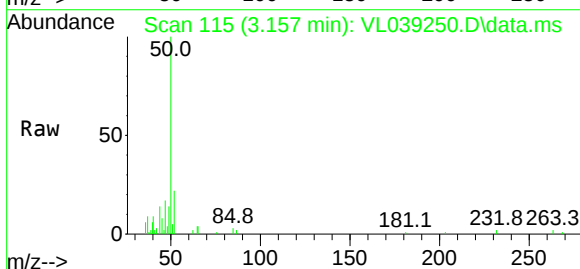
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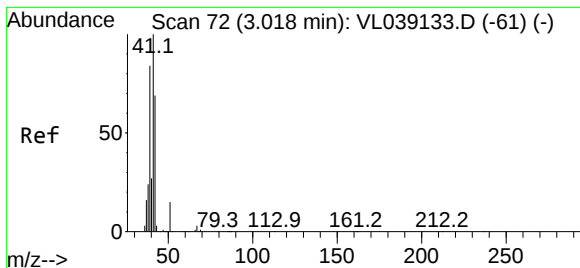
Reviewed By :Semsettin Yesilyurt 06/09/2022
Supervised By :Mahesh Dadoda 06/09/2022



#4
Chloromethane
Concen: 0.478 ppbv m
RT: 3.157 min Scan# 115
Delta R.T. 0.007 min
Lab File: VL039250.D
Acq: 9 Jun 2022 1:05

Tgt Ion: 50 Resp: 26596
Ion Ratio Lower Upper
50 100
52 21.8 25.9 38.9#





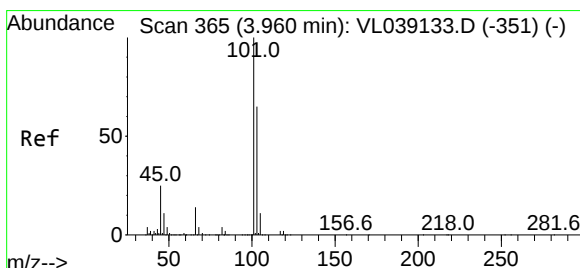
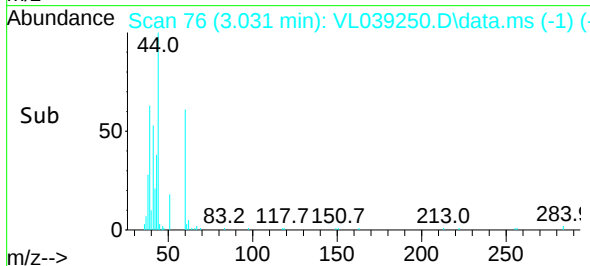
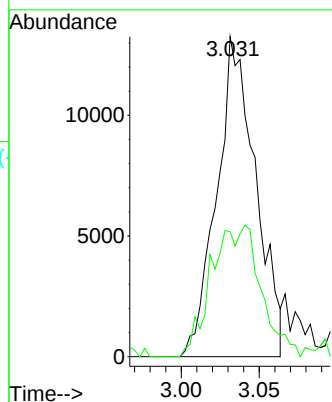
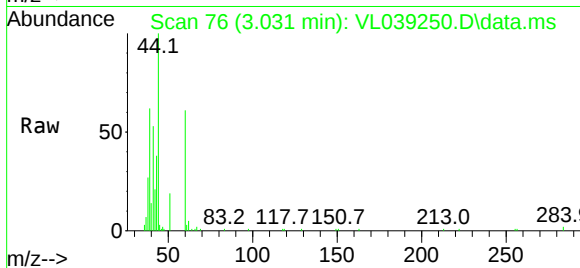
#9
 Propene
 Concen: 0.488 ppbv
 RT: 3.031 min Scan# 70
 Delta R.T. 0.013 min
 Lab File: VL039250.D
 Acq: 9 Jun 2022 1:05

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-2DUP

Tgt Ion: 41 Resp: 2305
 Ion Ratio Lower Upper
 41 100
 42 55.7 55.4 83.2

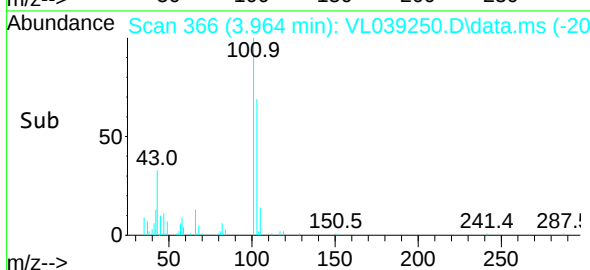
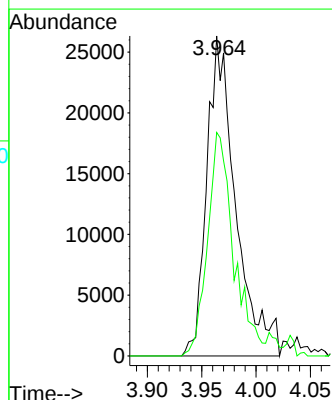
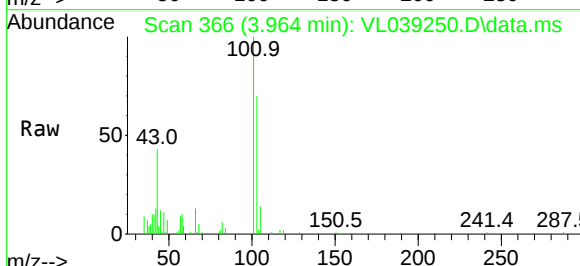
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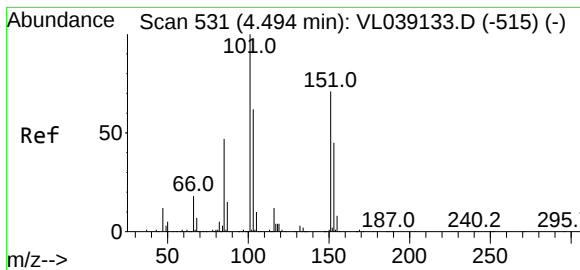
Reviewed By :Semsettin Yesilyurt 06/09/2022
 Supervised By :Mahesh Dadoda 06/09/2022



#11
 Trichlorofluoromethane
 Concen: 0.359 ppbv m
 RT: 3.964 min Scan# 366
 Delta R.T. 0.003 min
 Lab File: VL039250.D
 Acq: 9 Jun 2022 1:05

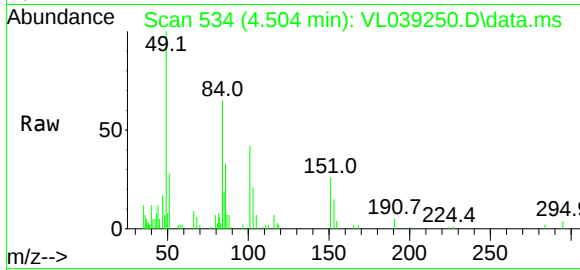
Tgt Ion:101 Resp: 48571
 Ion Ratio Lower Upper
 101 100
 103 69.9 51.7 77.5





#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.117 ppbv m
RT: 4.504 min Scan# 511
Delta R.T. 0.010 min
Lab File: VL039250.D
Acq: 9 Jun 2022 1:05

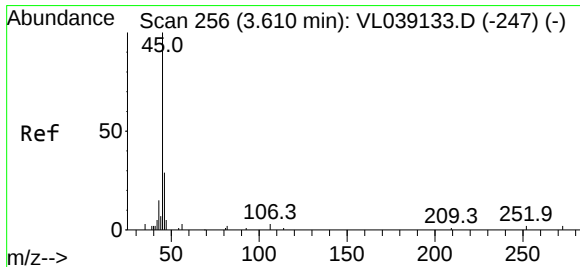
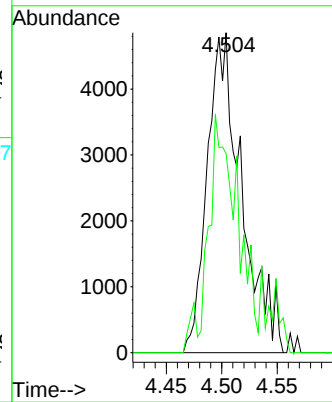
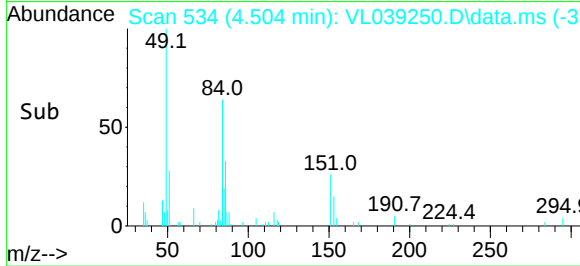
Instrument :
MSVOA_L
ClientSampleId :
AA-2DUP



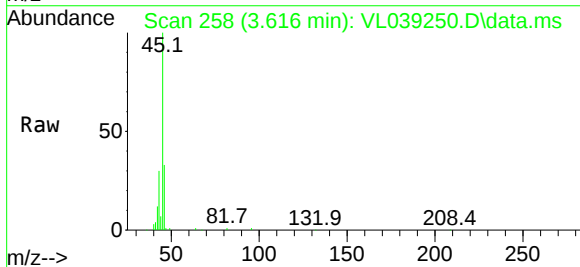
Tgt Ion:101 Resp: 1051
Ion Ratio Lower Upper
101 100
151 66.4 59.4 89.0

Manual Integrations
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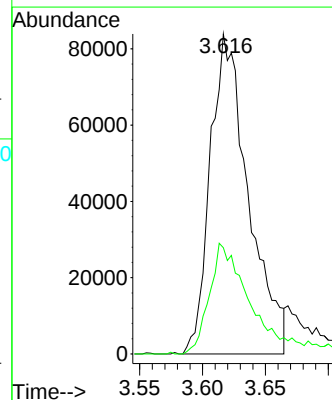
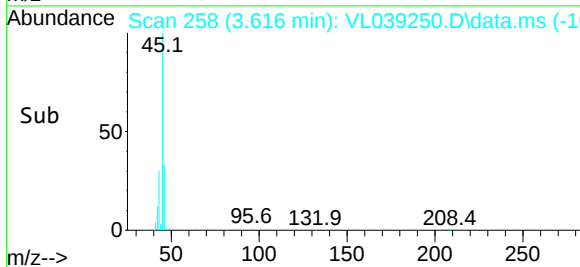
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Supervised By :Mahesh Dadoda 06/09/2022

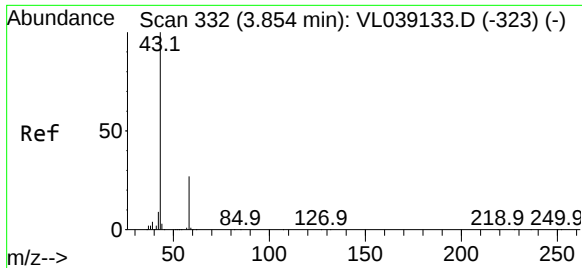


#13
Ethanol
Concen: 69.009 ppbv m
RT: 3.616 min Scan# 258
Delta R.T. 0.007 min
Lab File: VL039250.D
Acq: 9 Jun 2022 1:05



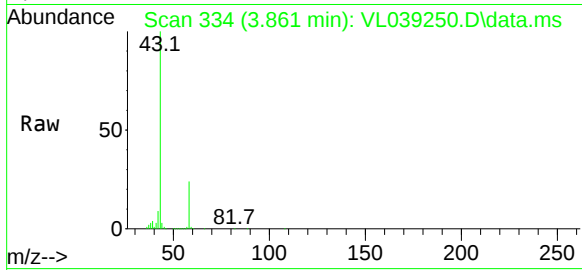
Tgt Ion: 45 Resp: 177774
Ion Ratio Lower Upper
45 100
46 39.3 0.0 0.0#





#15
Acetone
Concen: 8.417 ppbv m
RT: 3.861 min Scan# 311
Delta R.T. 0.007 min
Lab File: VL039250.D
Acq: 9 Jun 2022 1:05

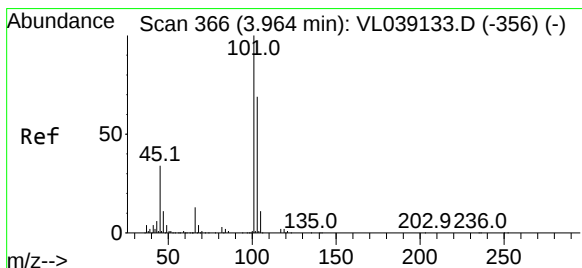
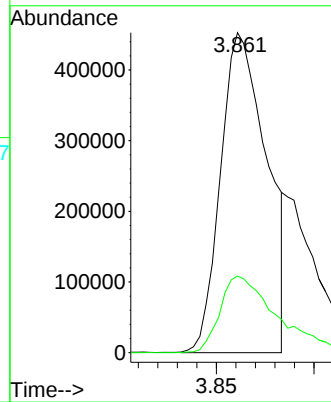
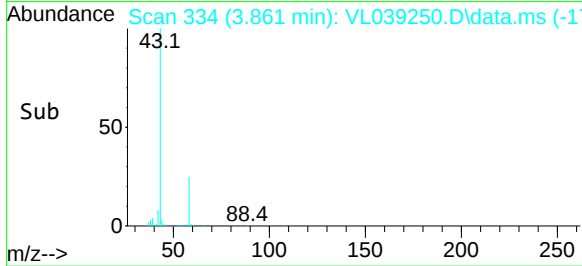
Instrument :
MSVOA_L
ClientSampleId :
AA-2DUP



Tgt Ion: 43 Resp: 746518
Ion Ratio Lower Upper
43 100
58 32.0 22.5 33.7

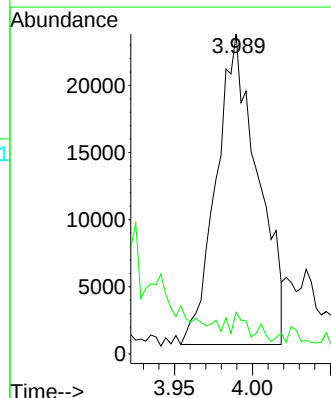
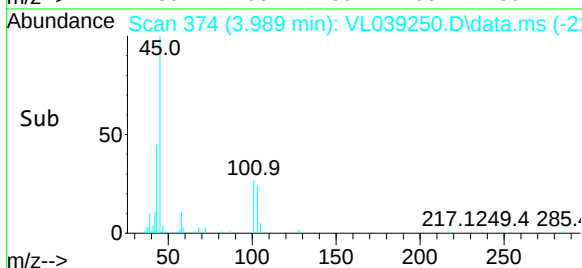
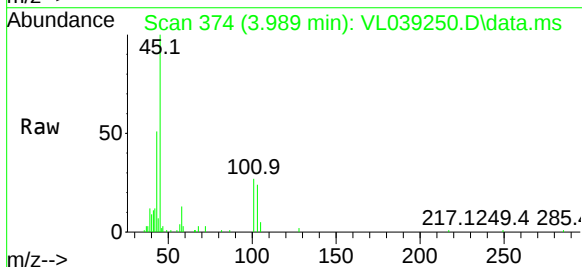
Manual Integrations
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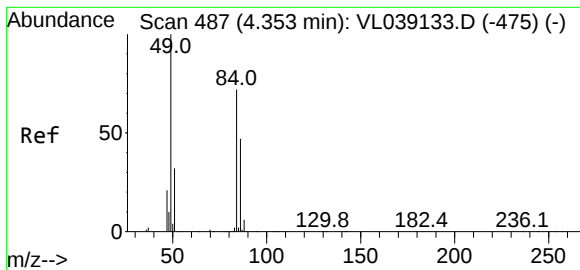
Reviewed By :Semsettin Yesilyurt 06/09/2022
Supervised By :Mahesh Dadoda 06/09/2022



#19
Isopropyl Alcohol
Concen: 1.033 ppbv
RT: 3.989 min Scan# 374
Delta R.T. 0.026 min
Lab File: VL039250.D
Acq: 9 Jun 2022 1:05

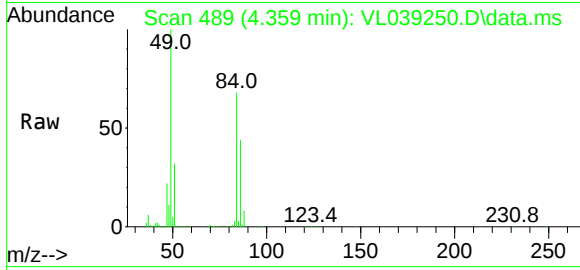
Tgt Ion: 45 Resp: 42972
Ion Ratio Lower Upper
45 100
58 0.0 1.8 2.8#





#20
Methylene Chloride
Concen: 54.489 ppbv
RT: 4.359 min Scan# 41
Delta R.T. 0.007 min
Lab File: VL039250.D
Acq: 9 Jun 2022 1:05

Instrument :
MSVOA_L
ClientSampleId :
AA-2DUP

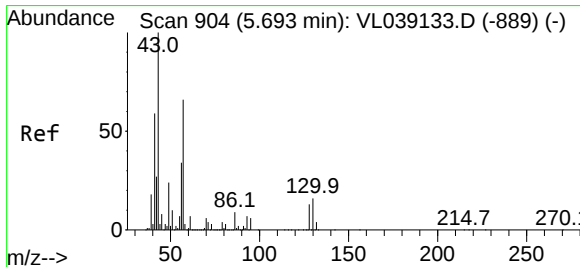
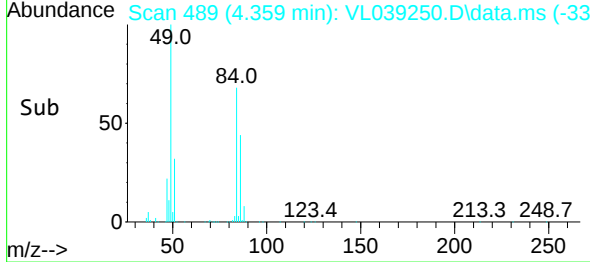
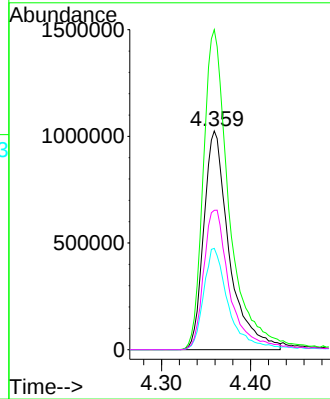


Tgt Ion: 84 Resp: 203653

Ion	Ratio	Lower	Upper
84	100		
49	146.2	111.1	166.7
51	46.3	35.3	52.9
86	63.7	51.9	77.9

Manual Integrations
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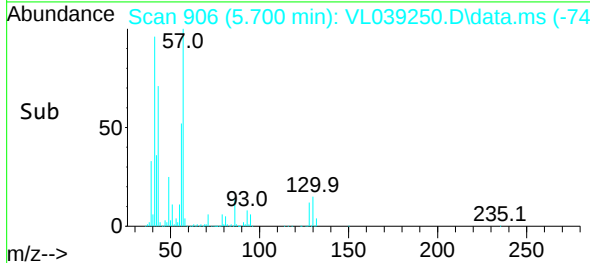
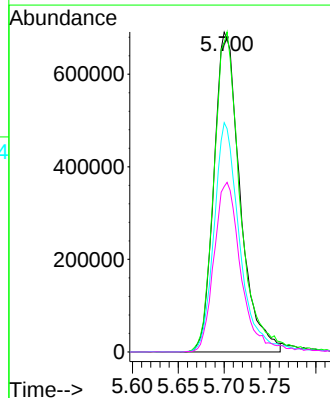
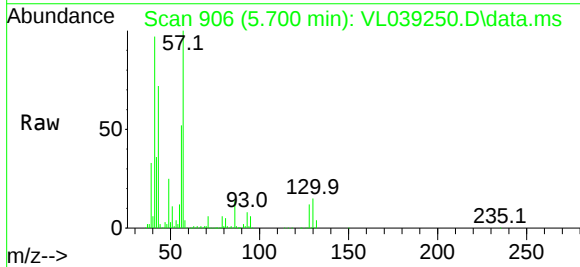
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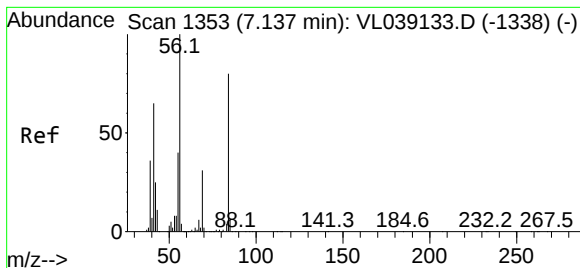


#26
Hexane
Concen: 15.564 ppbv
RT: 5.700 min Scan# 906
Delta R.T. 0.007 min
Lab File: VL039250.D
Acq: 9 Jun 2022 1:05

Tgt Ion: 57 Resp: 1367180

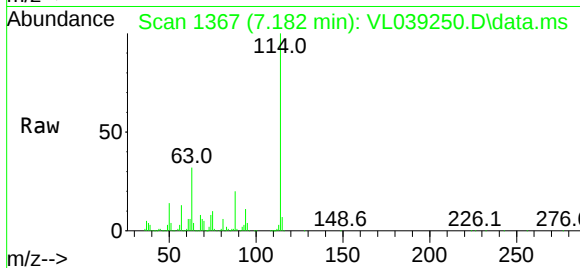
Ion	Ratio	Lower	Upper
57	100		
41	102.2	72.4	108.6
43	71.3	187.0	280.6#
56	55.5	41.8	62.6





#30
Cyclohexane
Concen: 0.149 ppbv m
RT: 7.182 min Scan# 1100
Delta R.T. 0.045 min
Lab File: VL039250.D
Acq: 9 Jun 2022 1:05

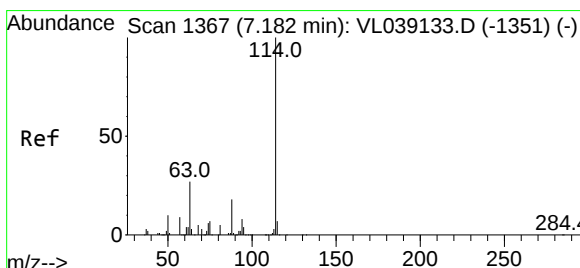
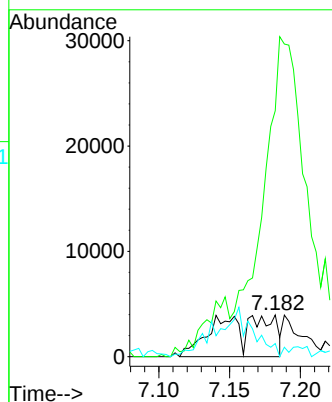
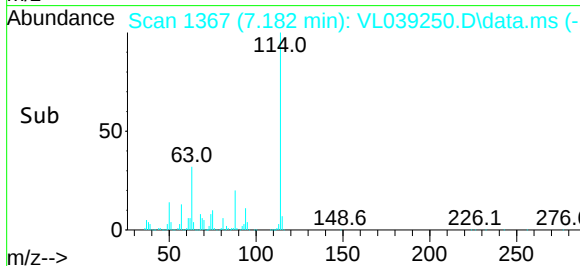
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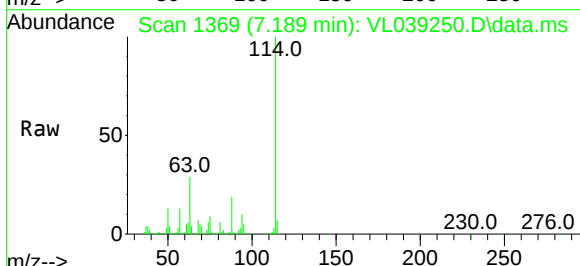
Tgt Ion: 84 Resp: 11004
Ion Ratio Lower Upper
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56 0.0 110.6 165.8
41 0.0 68.9 103.3

Manual Integrations
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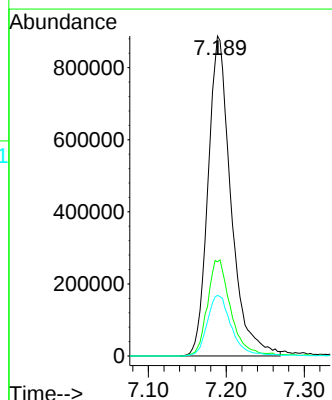
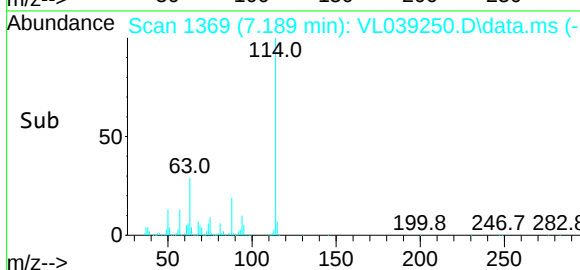
Reviewed By :Semsettin Yesilyurt 06/09/2022
Supervised By :Mahesh Dadoda 06/09/2022

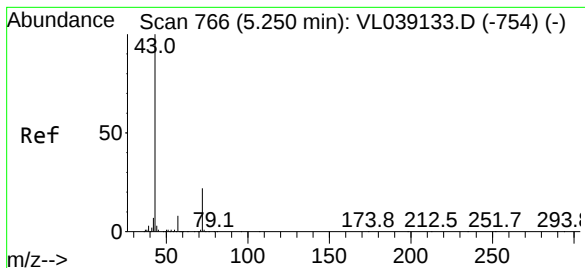


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.189 min Scan# 1369
Delta R.T. 0.007 min
Lab File: VL039250.D
Acq: 9 Jun 2022 1:05



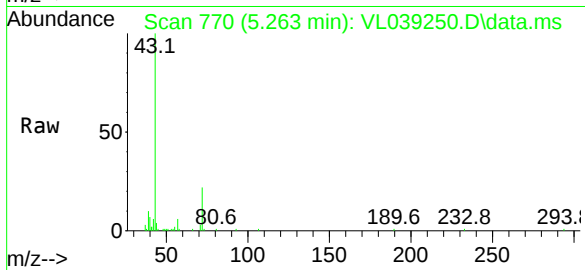
Tgt Ion:114 Resp: 1815087
Ion Ratio Lower Upper
114 100
63 31.2 21.7 32.5
88 19.9 14.8 22.2





#34
2-Butanone
Concen: 0.513 ppbv
RT: 5.263 min Scan# 71
Delta R.T. 0.013 min
Lab File: VL039250.D
Acq: 9 Jun 2022 1:05

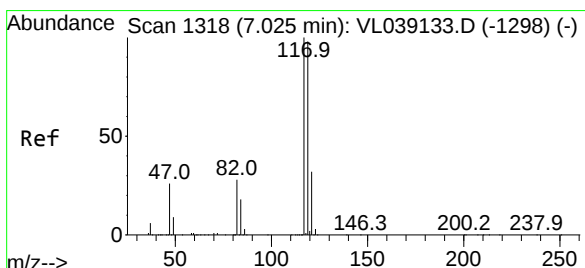
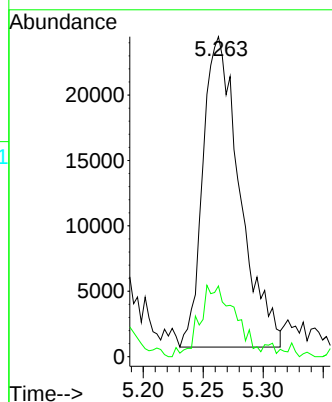
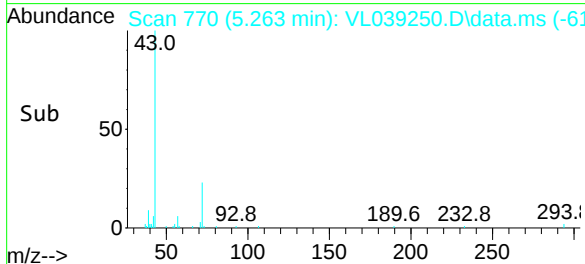
Instrument :
MSVOA_L
ClientSampleId :
AA-2DUP



Tgt Ion: 43 Resp: 5062
Ion Ratio Lower Upper
43 100
72 25.0 18.2 27.2

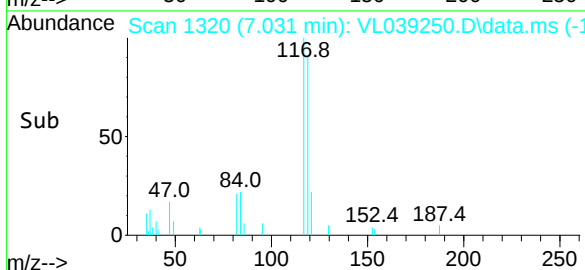
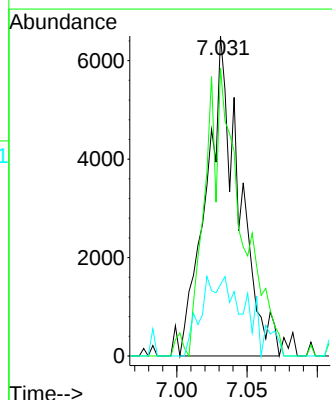
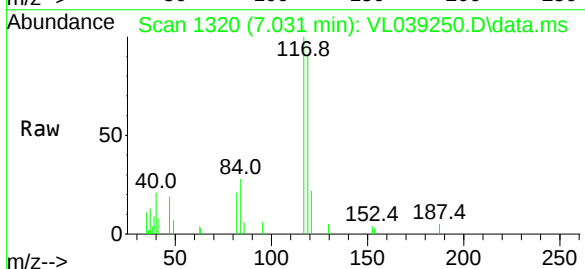
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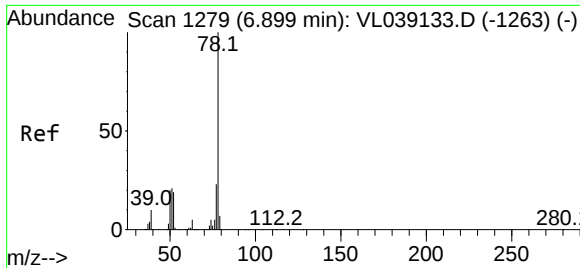
Reviewed By :Semsettin Yesilyurt 06/09/2022
Supervised By :Mahesh Dadoda 06/09/2022



#35
Carbon Tetrachloride
Concen: 0.080 ppbv m
RT: 7.031 min Scan# 1320
Delta R.T. 0.007 min
Lab File: VL039250.D
Acq: 9 Jun 2022 1:05

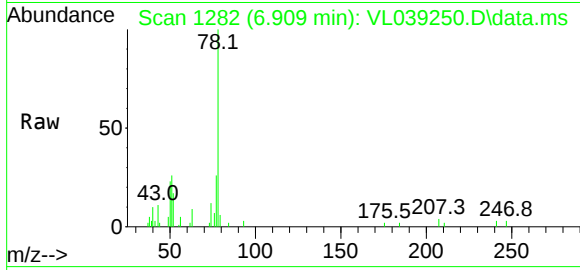
Tgt Ion:117 Resp: 10586
Ion Ratio Lower Upper
117 100
119 90.0 78.6 118.0
121 22.3 25.4 38.0#





#36
Benzene
Concen: 0.142 ppbv m
RT: 6.909 min Scan# 1279
Delta R.T. 0.010 min
Lab File: VL039250.D
Acq: 9 Jun 2022 1:05

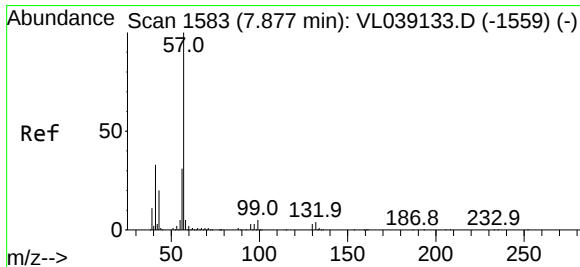
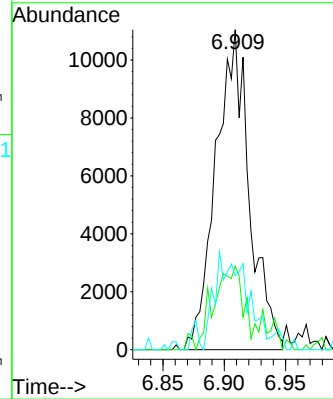
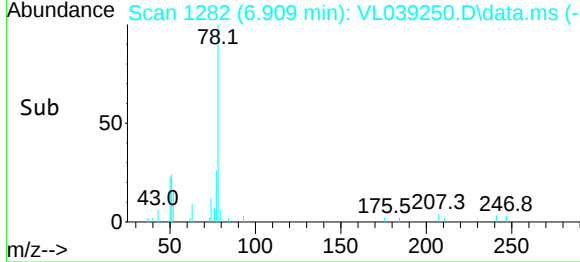
Instrument :
MSVOA_L
ClientSampleId :
AA-2DUP



Tgt Ion: 78 Resp: 20994
Ion Ratio Lower Upper
78 100
77 26.1 18.6 27.8
50 23.1 15.8 23.8

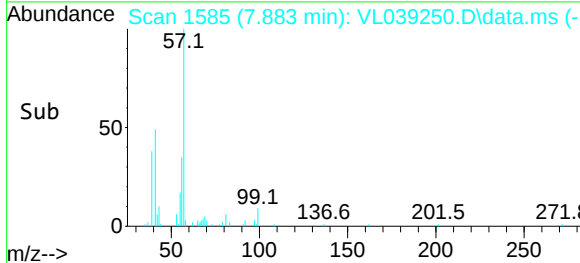
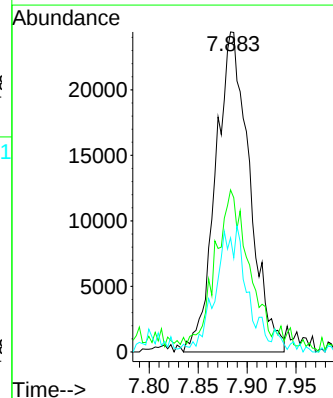
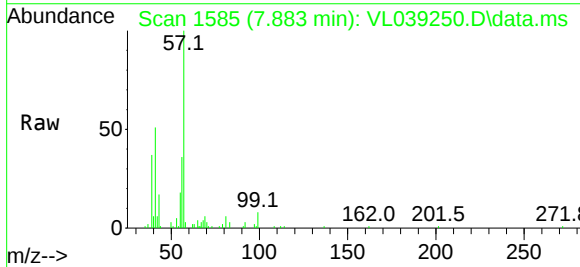
Manual Integrations
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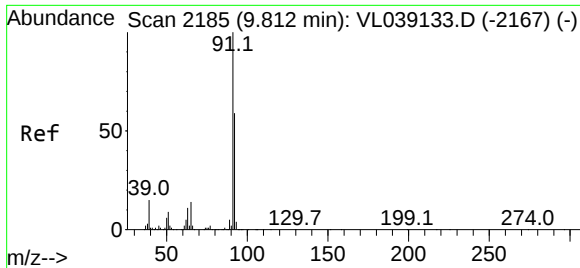
Reviewed By :Semsettin Yesilyurt 06/09/2022
Supervised By :Mahesh Dadoda 06/09/2022



#44
2,2,4-Trimethylpentane
Concen: 0.228 ppbv m
RT: 7.883 min Scan# 1585
Delta R.T. 0.007 min
Lab File: VL039250.D
Acq: 9 Jun 2022 1:05

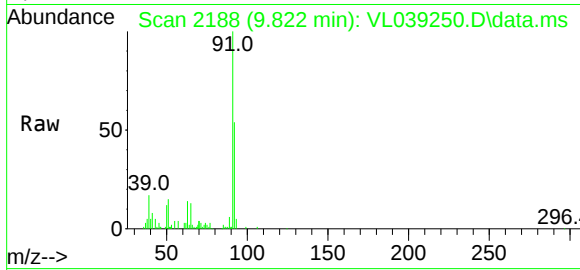
Tgt Ion: 57 Resp: 58782
Ion Ratio Lower Upper
57 100
41 55.4 26.2 39.4#
56 38.7 24.7 37.1#





#53
Toluene
Concen: 0.464 ppbv m
RT: 9.822 min Scan# 2185
Delta R.T. 0.010 min
Lab File: VL039250.D
Acq: 9 Jun 2022 1:05

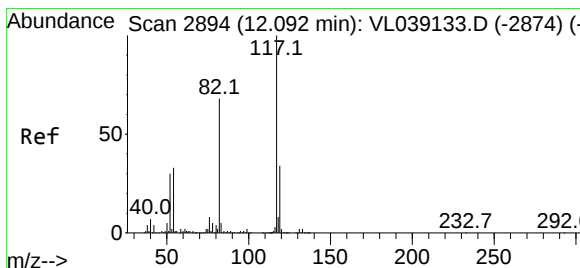
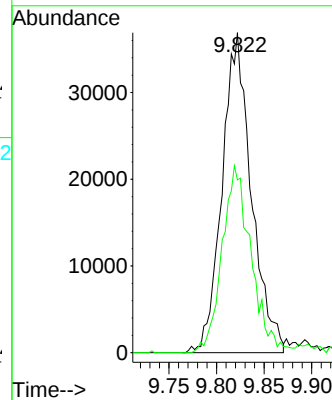
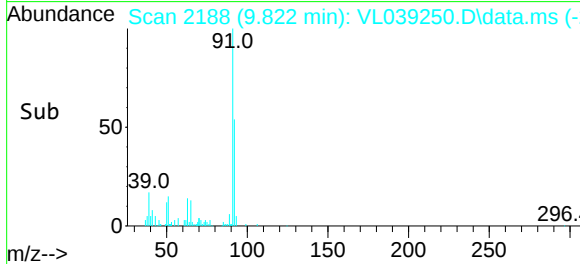
Instrument : MSVOA_L
ClientSampleId : AA-2DUP



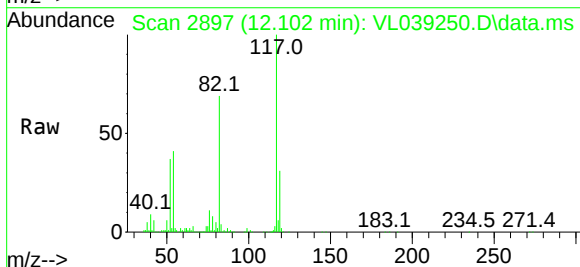
Tgt Ion: 91 Resp: 78744
Ion Ratio Lower Upper
91 100
92 57.8 48.1 72.1

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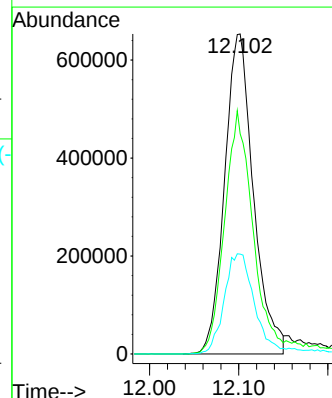
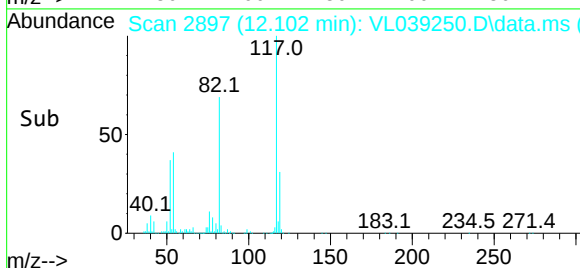
Reviewed By :Semsettin Yesilyurt 06/09/2022
Supervised By :Mahesh Dadoda 06/09/2022

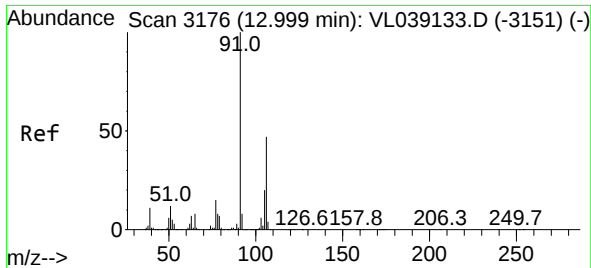


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.102 min Scan# 2897
Delta R.T. 0.010 min
Lab File: VL039250.D
Acq: 9 Jun 2022 1:05



Tgt Ion:117 Resp: 1467931
Ion Ratio Lower Upper
117 100
82 80.7 55.1 82.7
119 34.4 24.7 37.1





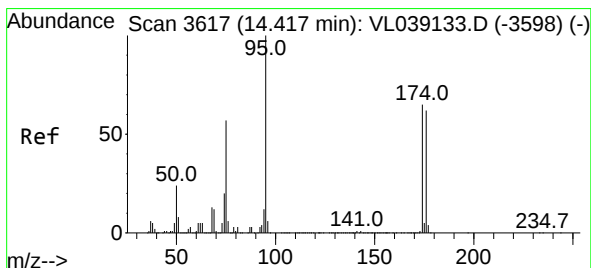
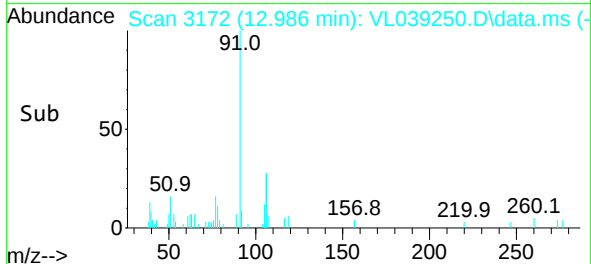
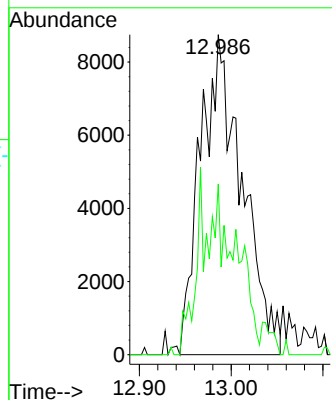
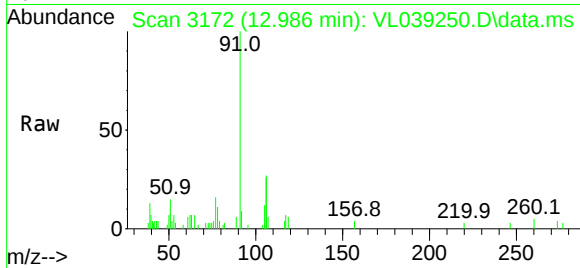
#59
m/p-Xylene
Concen: 0.154 ppbv m
RT: 12.986 min Scan# 3172
Delta R.T. -0.013 min
Lab File: VL039250.D
Acq: 9 Jun 2022 1:05

Instrument :
MSVOA_L
ClientSampleId :
AA-2DUP

Tgt Ion: 91 Resp: 2750
Ion Ratio Lower Upper
91 100
106 0.0 34.3 51.5

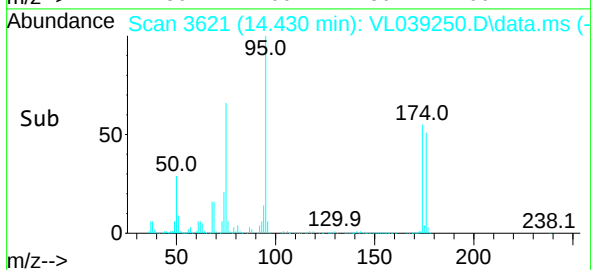
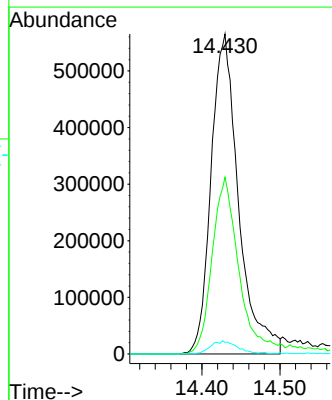
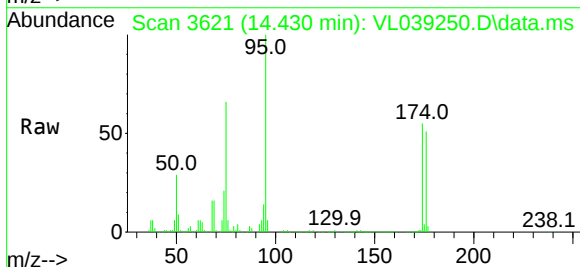
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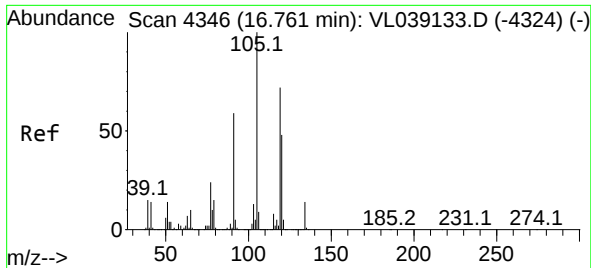
Reviewed By :Semsettin Yesilyurt 06/09/2022
Supervised By :Mahesh Dadoda 06/09/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 11.385 ppbv
RT: 14.430 min Scan# 3621
Delta R.T. 0.013 min
Lab File: VL039250.D
Acq: 9 Jun 2022 1:05

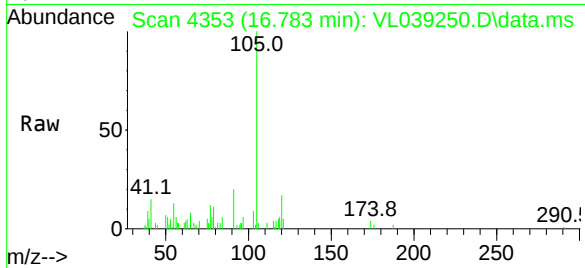
Tgt Ion: 95 Resp: 1381647
Ion Ratio Lower Upper
95 100
174 58.1 53.8 80.8
175 4.1 4.1 6.1





#74
 1,2,4-Trimethylbenzene
 Concen: 0.170 ppbv m
 RT: 16.783 min Scan# 41
 Delta R.T. 0.023 min
 Lab File: VL039250.D
 Acq: 9 Jun 2022 1:05

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-2DUP



Tgt Ion	Ratio	Lower	Upper
105	100		
120	16.7	38.1	57.1
91	20.1	47.4	71.0
77	11.8	19.5	29.3

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 06/09/2022
 Supervised By :Mahesh Dadoda 06/09/2022

