

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061422\
 Data File : VL039292.D
 Acq On : 15 Jun 2022 9:50
 Operator : SY/AP
 Sample : N3326-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/16/2022
 Supervised By :Mahesh Dadoda 06/16/2022

Quant Time: Jun 16 01:16:12 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 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	5.658	49	1428495	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.166	114	3834014	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.073	117	3310729	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.397	95	2551022	9.320	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.044	85	69675	0.278	ppbv	89
3) Chlorodifluoromethane	2.986	51	71599	0.394	ppbv #	85
4) Chloromethane	3.137	50	46514m	0.498	ppbv	
9) Propene	3.018	41	55909	0.705	ppbv #	81
11) Trichlorofluoromethane	3.941	101	41190m	0.181	ppbv	
13) Ethanol	3.600	45	137784	31.879	ppbv #	100
15) Acetone	3.841	43	572672	3.849	ppbv	97
19) Isopropyl Alcohol	3.973	45	70187m	1.006	ppbv	
20) Methylene Chloride	4.337	84	539551	8.604	ppbv	93
26) Hexane	5.677	57	539104	3.658	ppbv #	43
34) 2-Butanone	5.247	43	53262	0.256	ppbv #	83
35) Carbon Tetrachloride	7.012	117	12483m	0.045	ppbv	
36) Benzene	6.877	78	43475	0.140	ppbv	98
53) Toluene	9.796	91	141190	0.394	ppbv	97
59) m/p-Xylene	12.944	91	63401m	0.158	ppbv	
74) 1,2,4-Trimethylbenzene	16.751	105	44122m	0.099	ppbv	

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

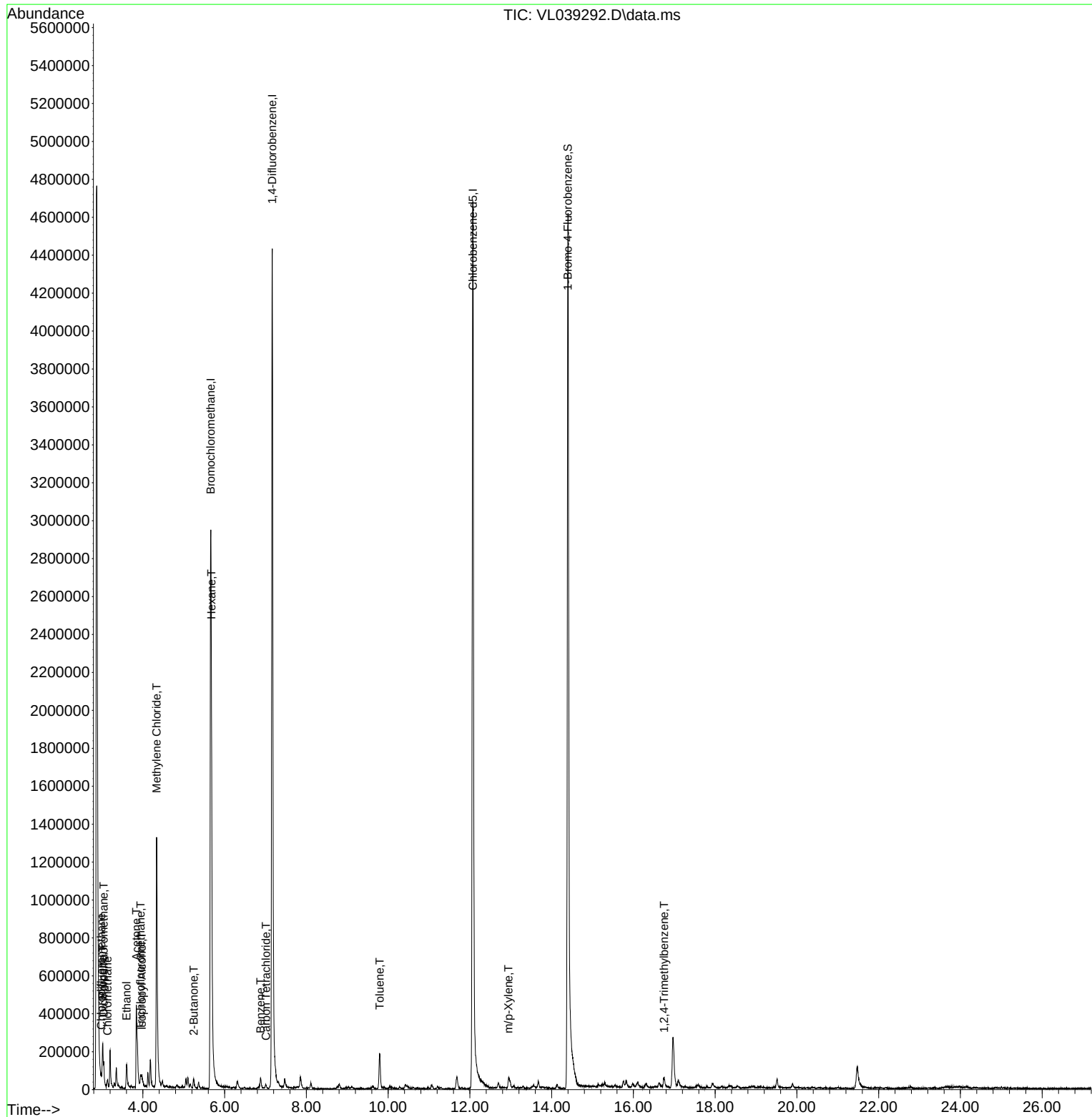
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061422\
Data File : VL039292.D
Acq On : 15 Jun 2022 9:50
Operator : SY/AP
Sample : N3326-05
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

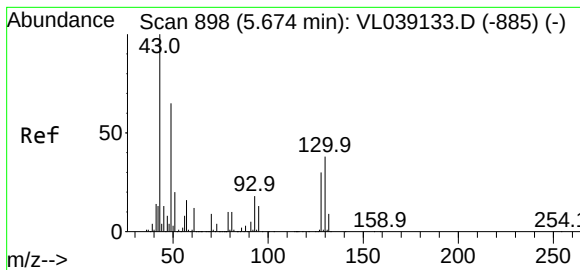
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Jun 16 01:16:12 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

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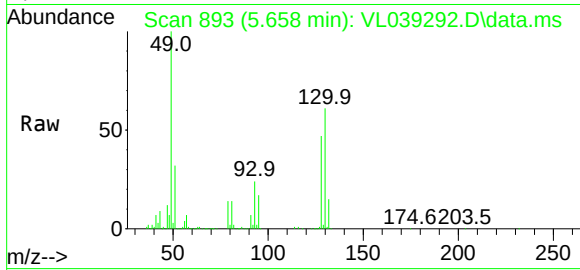
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.658 min Scan# 80
Delta R.T. -0.016 min
Lab File: VL039292.D
Acq: 15 Jun 2022 9:50

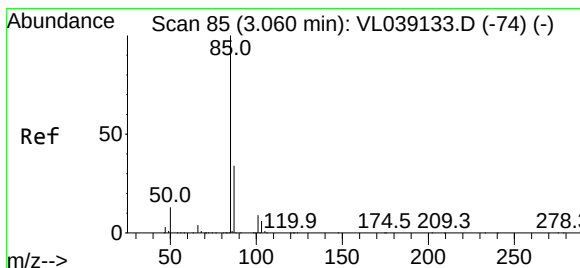
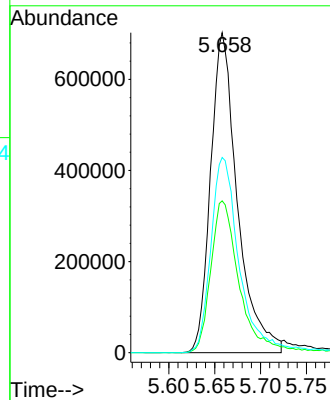
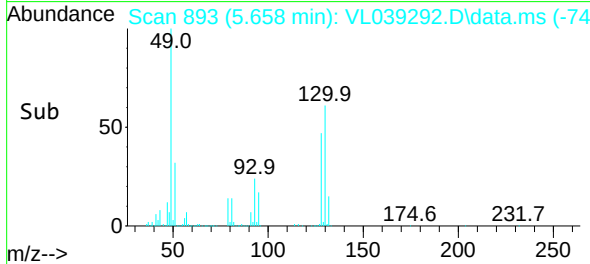
Instrument :
MSVOA_L
ClientSampleId :
OA1



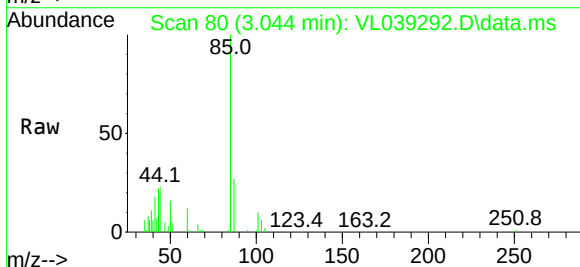
Tgt Ion: 49 Resp: 142849
Ion Ratio Lower Upper
49 100
128 51.3 24.7 74.1
130 65.9 31.4 94.0

Manual Integrations
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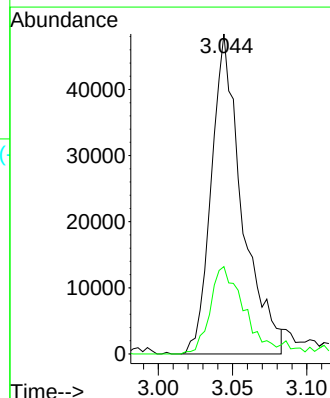
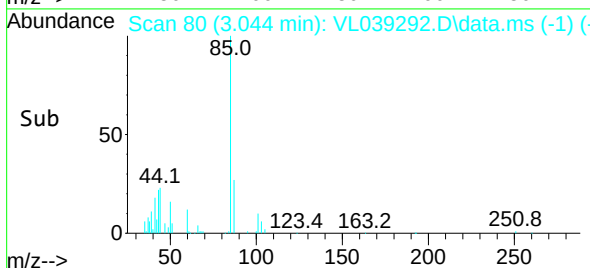
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022

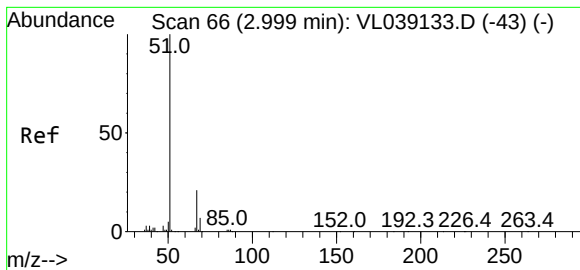


#2
Dichlorodifluoromethane
Concen: 0.278 ppbv
RT: 3.044 min Scan# 80
Delta R.T. -0.016 min
Lab File: VL039292.D
Acq: 15 Jun 2022 9:50



Tgt Ion: 85 Resp: 69675
Ion Ratio Lower Upper
85 100
87 27.3 26.9 40.3





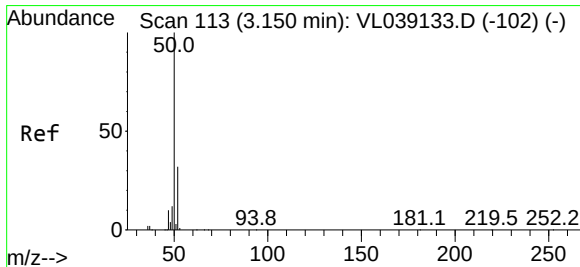
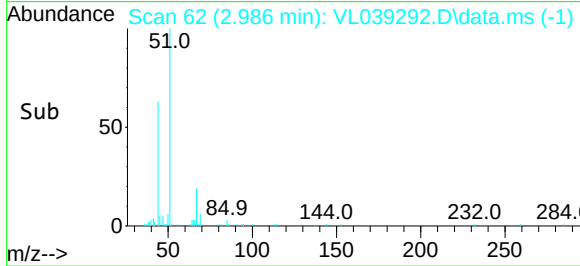
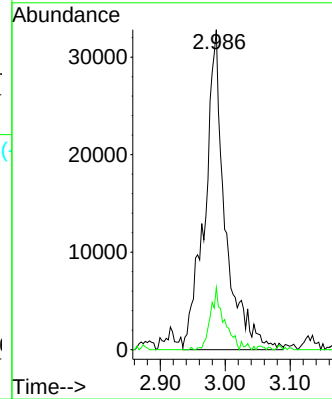
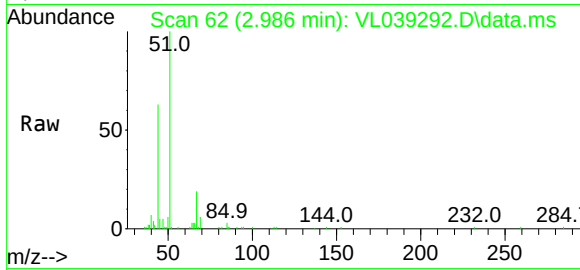
#3
Chlorodifluoromethane
Concen: 0.394 ppbv
RT: 2.986 min Scan# 61
Delta R.T. -0.013 min
Lab File: VL039292.D
Acq: 15 Jun 2022 9:50

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 51 Resp: 7159
Ion Ratio Lower Upper
51 100
67 13.4 16.2 24.4

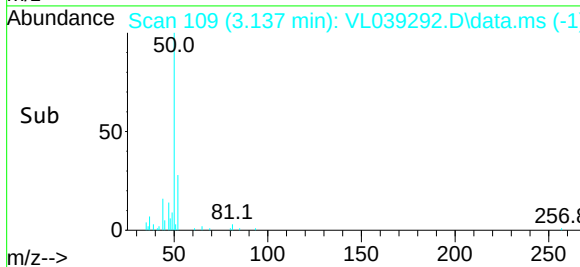
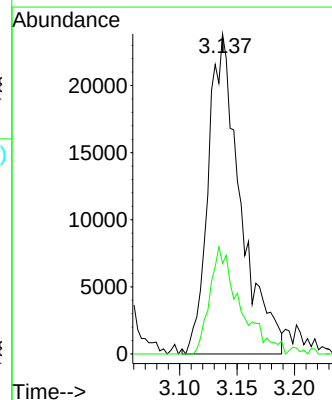
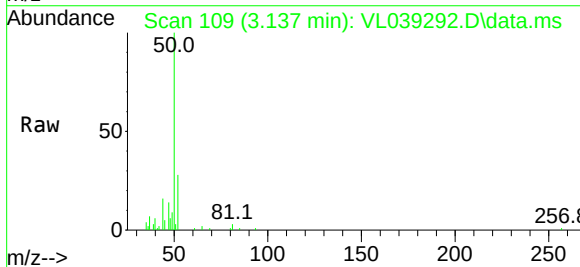
Manual Integrations
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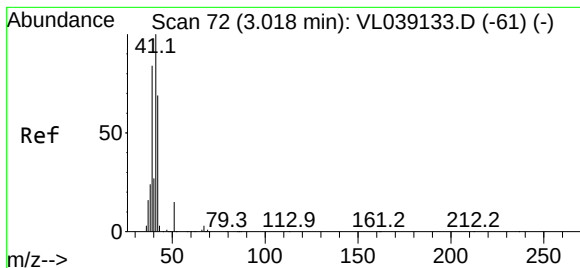
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022



#4
Chloromethane
Concen: 0.498 ppbv m
RT: 3.137 min Scan# 109
Delta R.T. -0.013 min
Lab File: VL039292.D
Acq: 15 Jun 2022 9:50

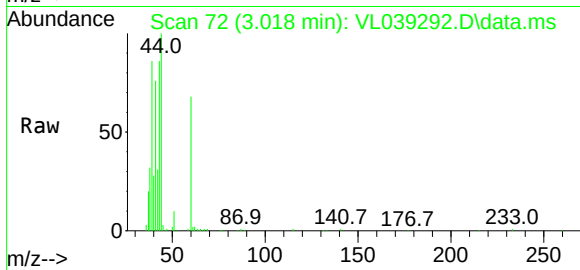
Tgt Ion: 50 Resp: 46514
Ion Ratio Lower Upper
50 100
52 28.3 25.9 38.9





#9
 Propene
 Concen: 0.705 ppbv
 RT: 3.018 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VL039292.D
 Acq: 15 Jun 2022 9:50

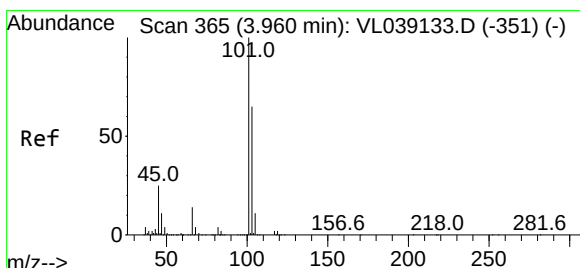
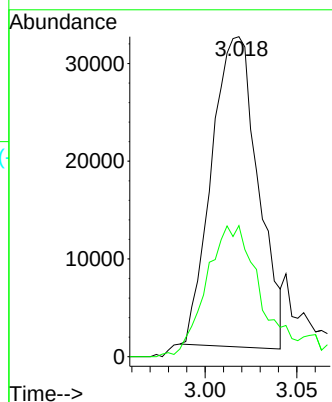
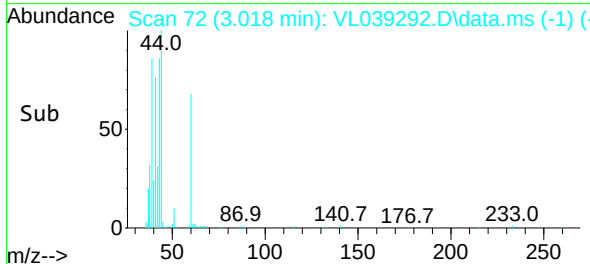
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



Tgt Ion: 41 Resp: 55909
 Ion Ratio Lower Upper
 41 100
 42 53.7 55.4 83.2

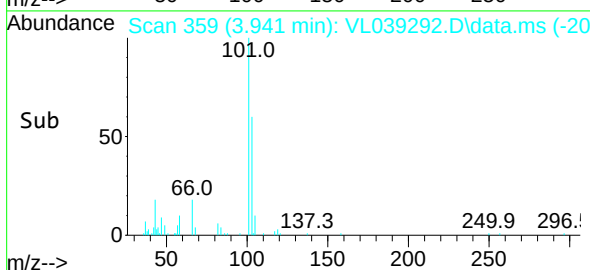
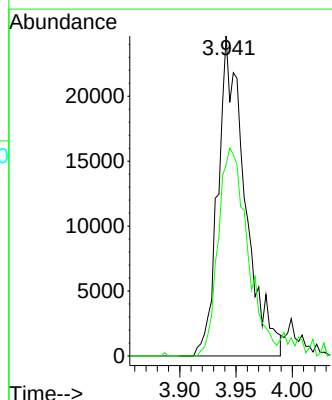
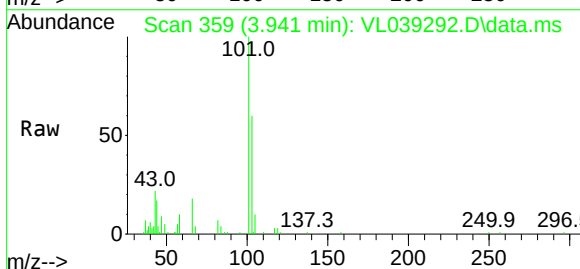
Manual Integrations
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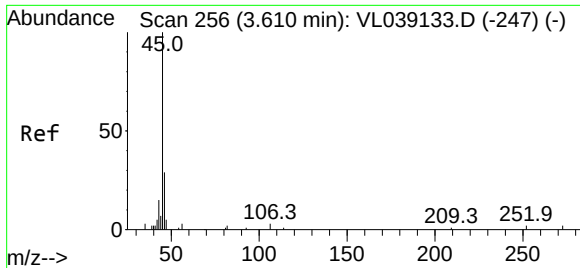
Reviewed By :Semsettin Yesilyurt 06/16/2022
 Supervised By :Mahesh Dadoda 06/16/2022



#11
 Trichlorofluoromethane
 Concen: 0.181 ppbv m
 RT: 3.941 min Scan# 359
 Delta R.T. -0.019 min
 Lab File: VL039292.D
 Acq: 15 Jun 2022 9:50

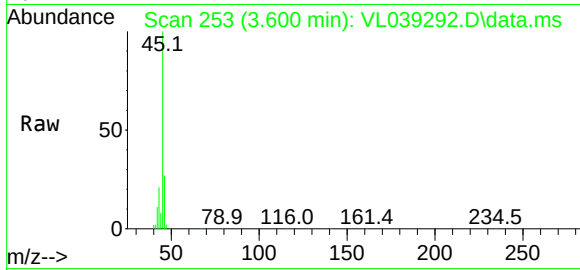
Tgt Ion:101 Resp: 41190
 Ion Ratio Lower Upper
 101 100
 103 59.7 51.7 77.5





#13
Ethanol
Concen: 31.879 ppbv
RT: 3.600 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL039292.D
Acq: 15 Jun 2022 9:50

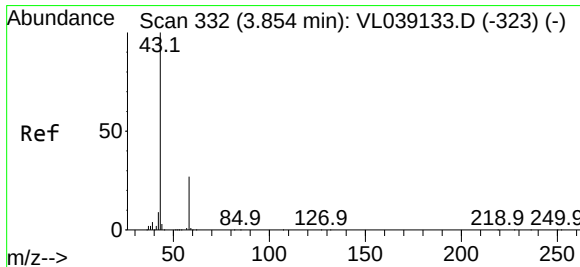
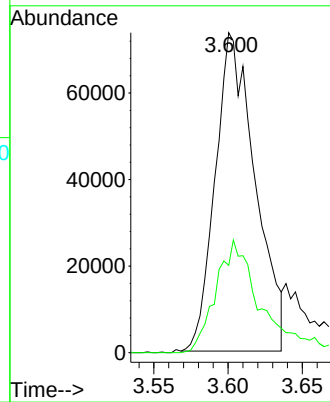
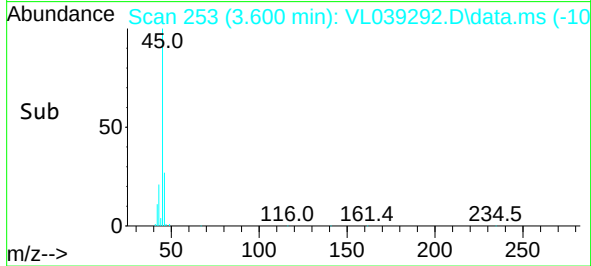
Instrument :
MSVOA_L
ClientSampleId :
OA1



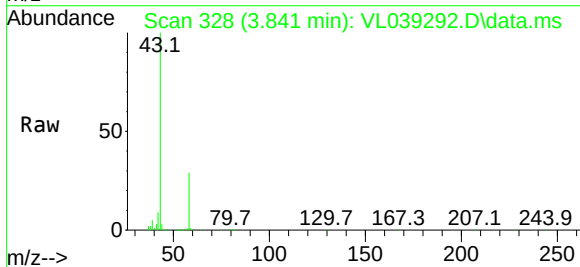
Tgt Ion: 45 Resp: 137784
Ion Ratio Lower Upper
45 100
46 41.2 0.0 0.0

Manual Integrations
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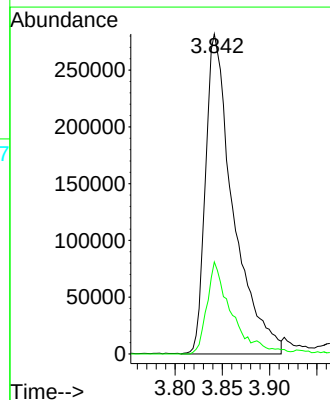
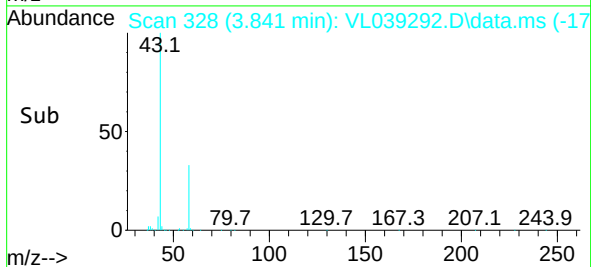
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022

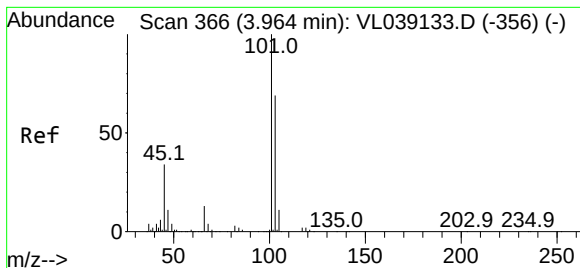


#15
Acetone
Concen: 3.849 ppbv
RT: 3.841 min Scan# 328
Delta R.T. -0.013 min
Lab File: VL039292.D
Acq: 15 Jun 2022 9:50



Tgt Ion: 43 Resp: 572672
Ion Ratio Lower Upper
43 100
58 26.5 22.5 33.7





#19

Isopropyl Alcohol

Concen: 1.006 ppbv m

RT: 3.973 min Scan# 30

Delta R.T. 0.010 min

Lab File: VL039292.D

Acq: 15 Jun 2022 9:50

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion: 45 Resp: 7018

Ion Ratio Lower Upper

45 100

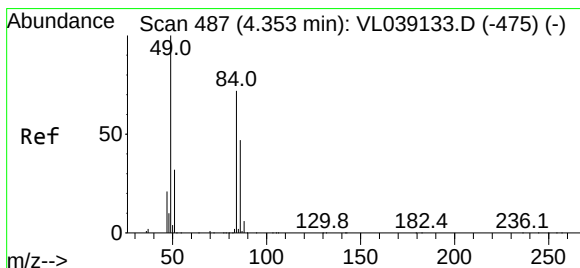
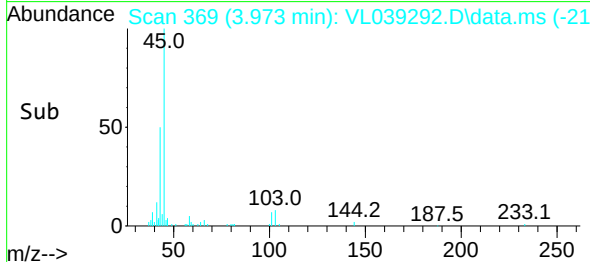
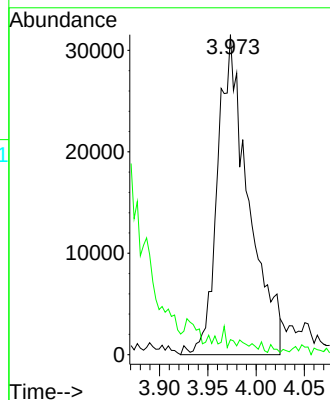
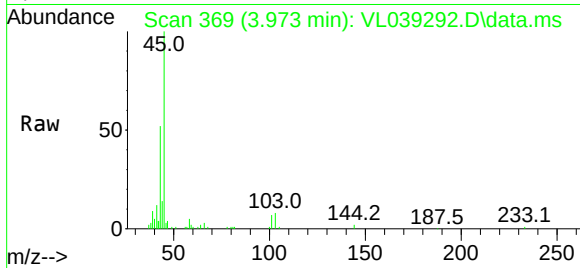
58 0.0 1.8 2.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/16/2022

Supervised By :Mahesh Dadoda 06/16/2022



#20

Methylene Chloride

Concen: 8.604 ppbv

RT: 4.337 min Scan# 482

Delta R.T. -0.016 min

Lab File: VL039292.D

Acq: 15 Jun 2022 9:50

Tgt Ion: 84 Resp: 539551

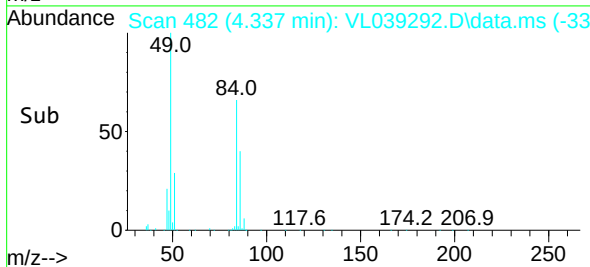
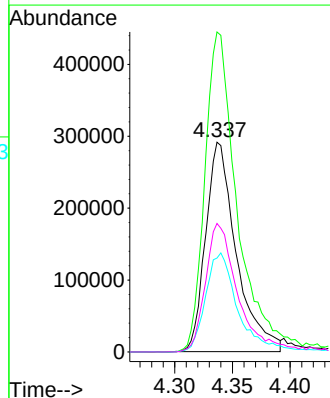
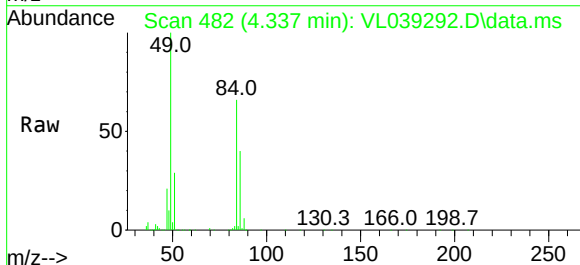
Ion Ratio Lower Upper

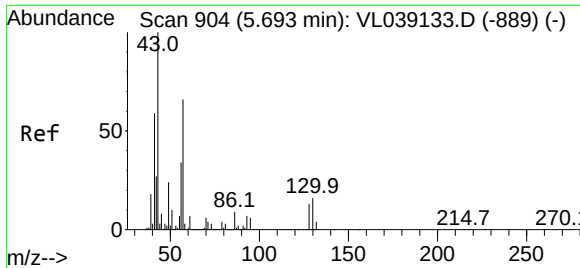
84 100

49 152.1 111.1 166.7

51 44.5 35.3 52.9

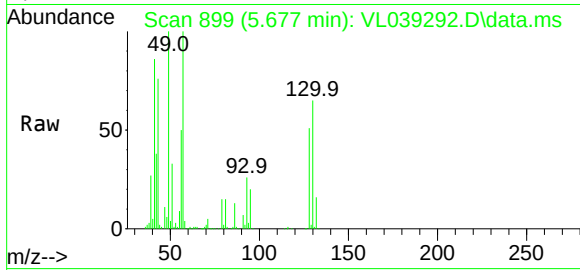
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#26
Hexane
Concen: 3.658 ppbv
RT: 5.677 min Scan# 899
Delta R.T. -0.016 min
Lab File: VL039292.D
Acq: 15 Jun 2022 9:50

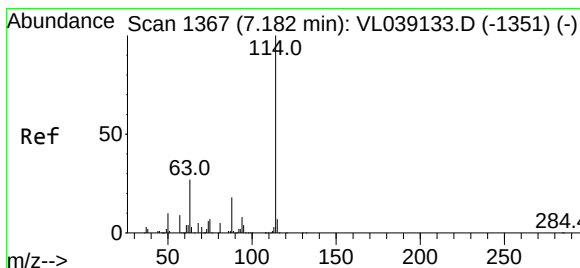
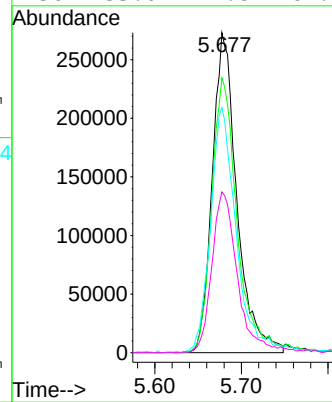
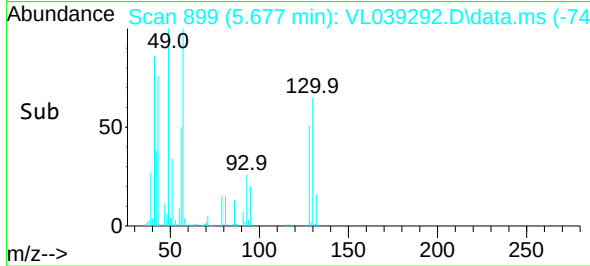
Instrument :
MSVOA_L
ClientSampleId :
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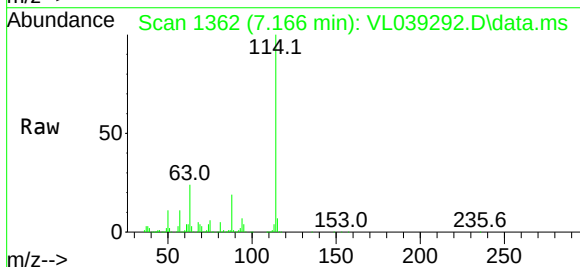
Tgt Ion: 57 Resp: 539104
Ion Ratio Lower Upper
57 100
41 90.8 72.4 108.6
43 82.2 187.0 280.6
56 53.0 41.8 62.6

Manual Integrations
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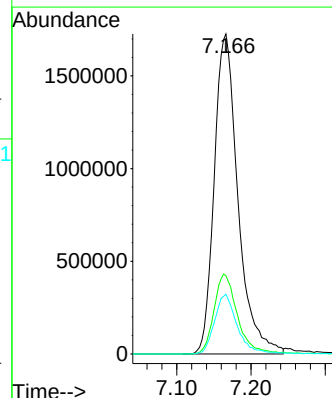
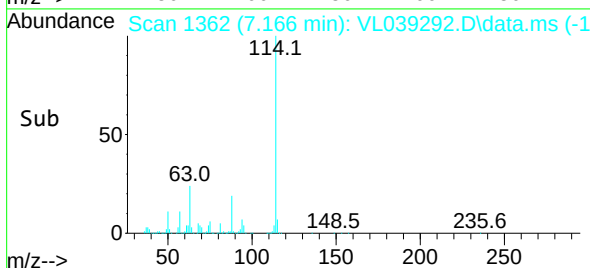
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022

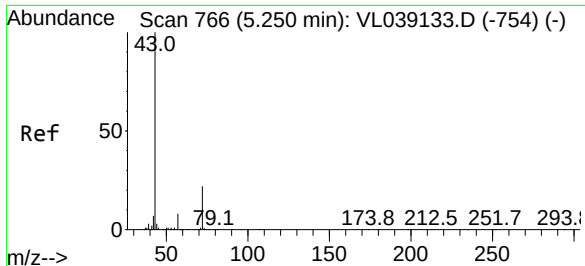


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.166 min Scan# 1362
Delta R.T. -0.016 min
Lab File: VL039292.D
Acq: 15 Jun 2022 9:50



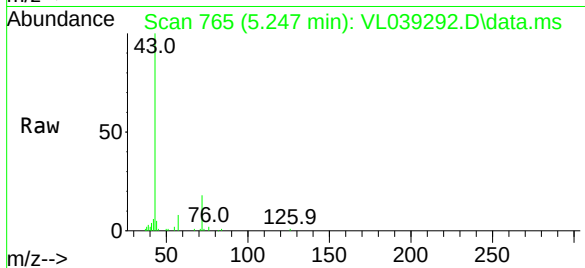
Tgt Ion:114 Resp: 3834014
Ion Ratio Lower Upper
114 100
63 25.0 21.7 32.5
88 18.0 14.8 22.2





#34
2-Butanone
Concen: 0.256 ppbv
RT: 5.247 min Scan# 765
Delta R.T. -0.003 min
Lab File: VL039292.D
Acq: 15 Jun 2022 9:50

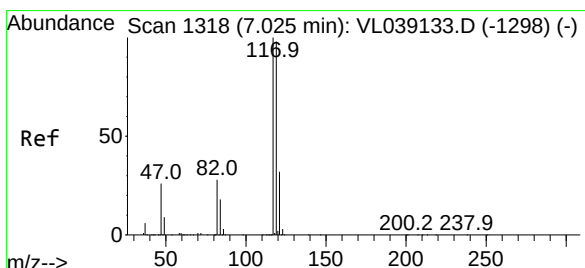
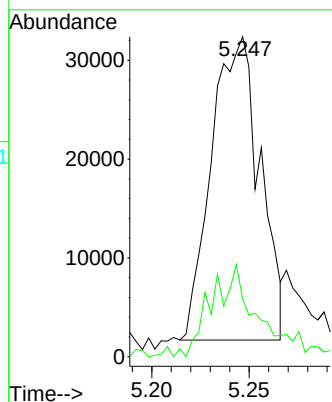
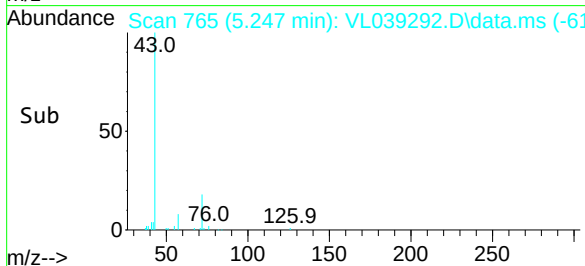
Instrument :
MSVOA_L
ClientSampleId :
OA1



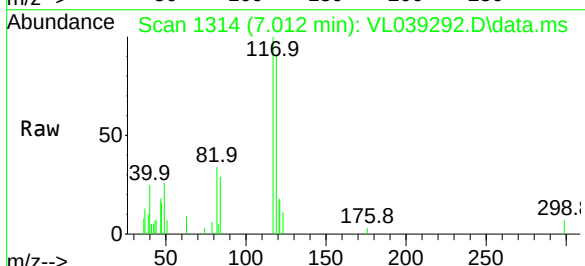
Tgt Ion: 43 Resp: 53262
Ion Ratio Lower Upper
43 100
72 30.9 18.2 27.2

Manual Integrations
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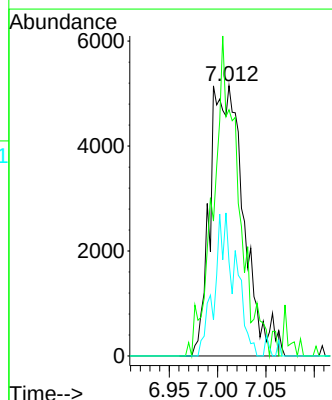
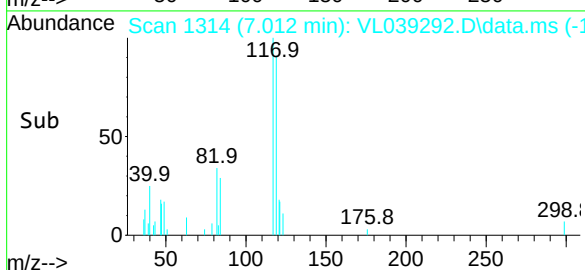
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022

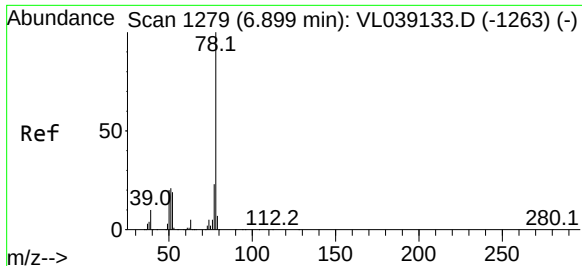


#35
Carbon Tetrachloride
Concen: 0.045 ppbv m
RT: 7.012 min Scan# 1314
Delta R.T. -0.013 min
Lab File: VL039292.D
Acq: 15 Jun 2022 9:50



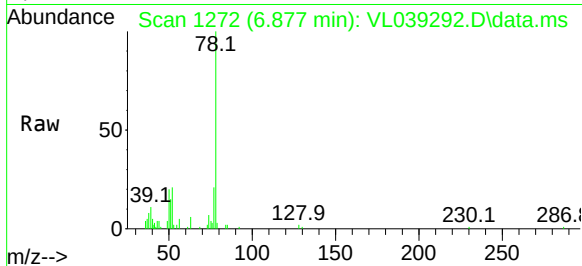
Tgt Ion:117 Resp: 12483
Ion Ratio Lower Upper
117 100
119 91.1 78.6 118.0
121 18.0 25.4 38.0





#36
Benzene
Concen: 0.140 ppbv
RT: 6.877 min Scan# 11
Delta R.T. -0.022 min
Lab File: VL039292.D
Acq: 15 Jun 2022 9:50

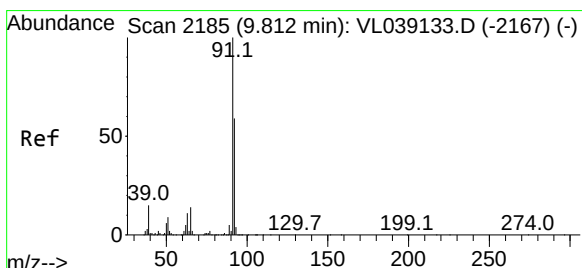
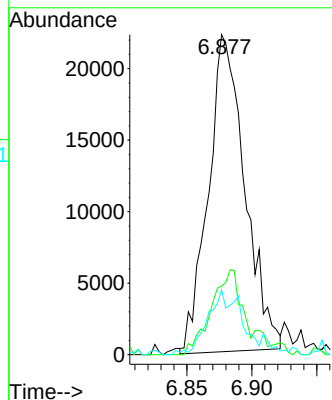
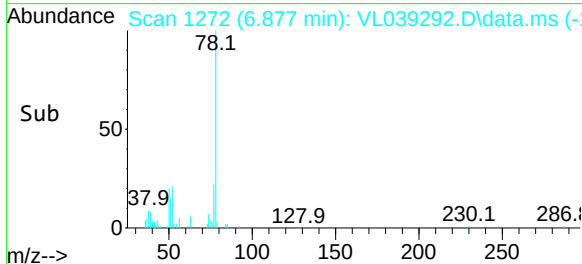
Instrument :
MSVOA_L
ClientSampleId :
OA1



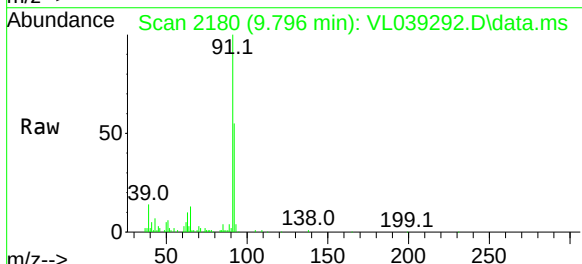
Tgt Ion: 78 Resp: 4347
Ion Ratio Lower Upper
78 100
77 21.9 18.6 27.8
50 19.9 15.8 23.8

Manual Integrations
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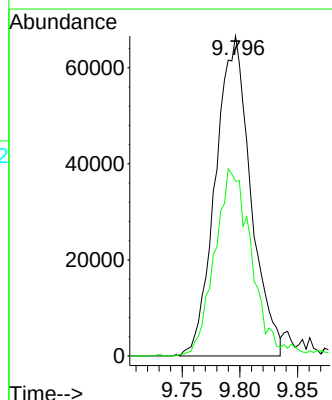
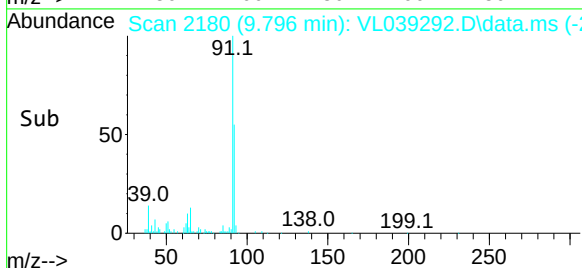
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022

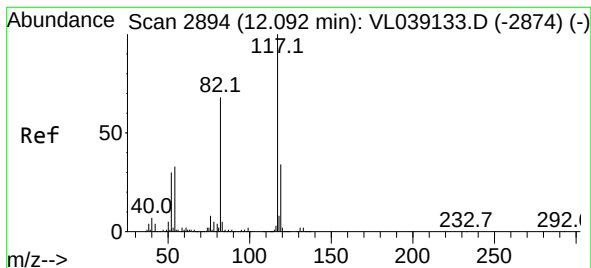


#53
Toluene
Concen: 0.394 ppbv
RT: 9.796 min Scan# 2180
Delta R.T. -0.016 min
Lab File: VL039292.D
Acq: 15 Jun 2022 9:50



Tgt Ion: 91 Resp: 141190
Ion Ratio Lower Upper
91 100
92 62.4 48.1 72.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.073 min Scan# 2888

Delta R.T. -0.019 min

Lab File: VL039292.D

Acq: 15 Jun 2022 9:50

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion: 117 Resp: 3310729

Ion Ratio Lower Upper

117 100

82 66.8 55.1 82.7

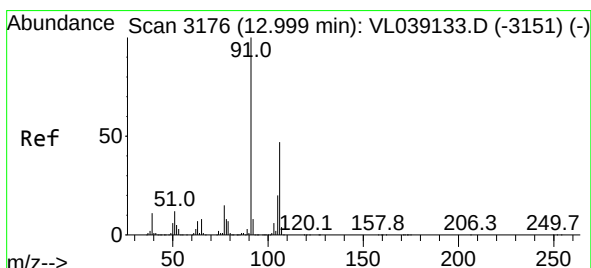
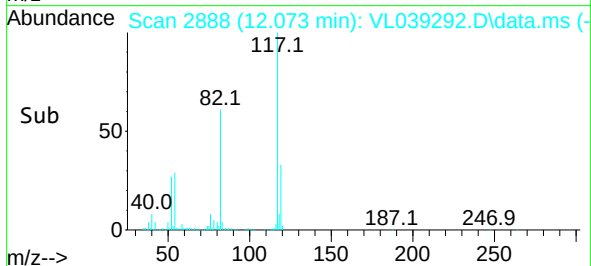
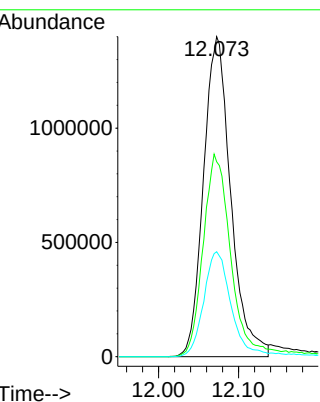
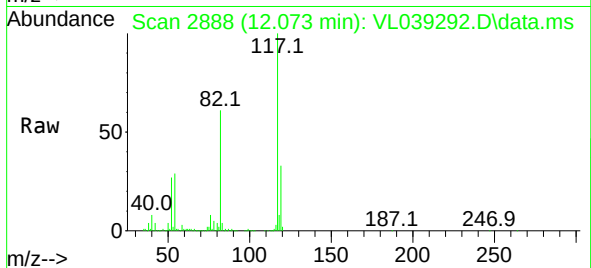
119 34.0 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/16/2022

Supervised By :Mahesh Dadoda 06/16/2022



#59

m/p-Xylene

Concen: 0.158 ppbv m

RT: 12.944 min Scan# 3159

Delta R.T. -0.055 min

Lab File: VL039292.D

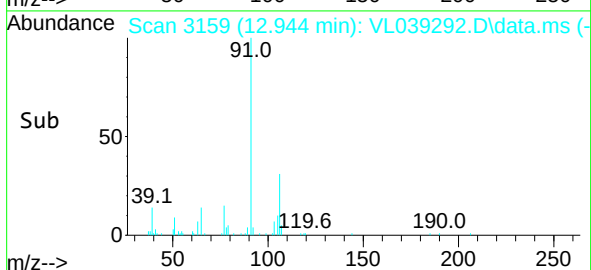
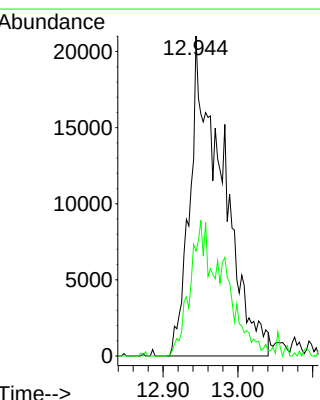
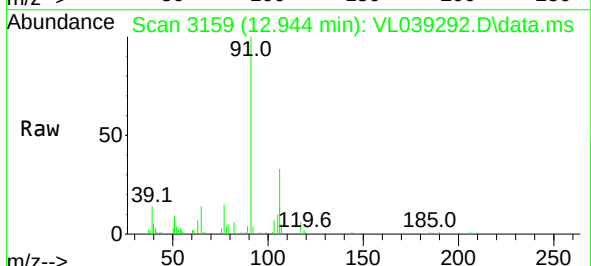
Acq: 15 Jun 2022 9:50

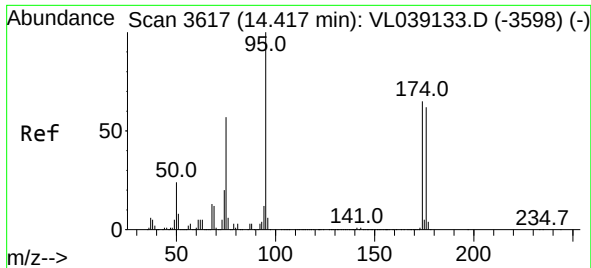
Tgt Ion: 91 Resp: 63401

Ion Ratio Lower Upper

91 100

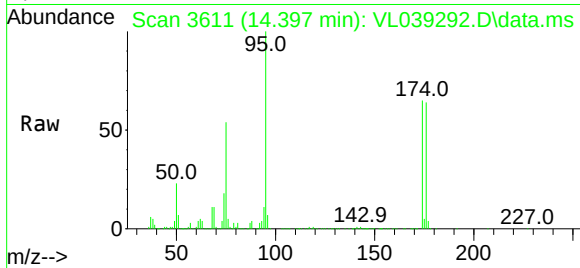
106 0.0 34.3 51.5#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.320 ppbv
RT: 14.397 min Scan# 3611
Delta R.T. -0.019 min
Lab File: VL039292.D
Acq: 15 Jun 2022 9:50

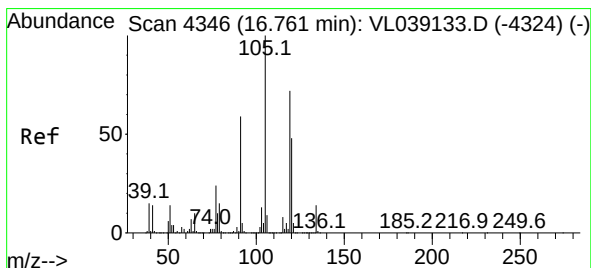
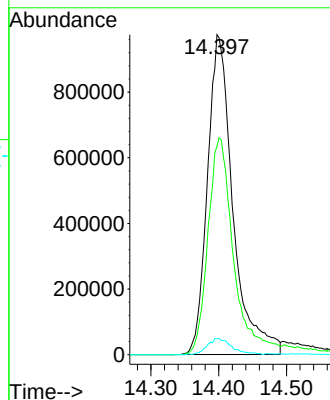
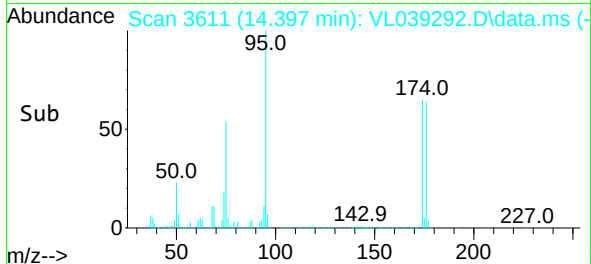
Instrument :
MSVOA_L
ClientSampleId :
OA1



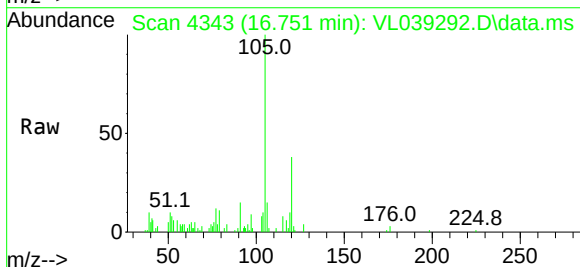
Tgt Ion: 95 Resp: 255102
Ion Ratio Lower Upper
95 100
174 72.2 53.8 80.8
175 4.9 4.1 6.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.099 ppbv m
RT: 16.751 min Scan# 4343
Delta R.T. -0.010 min
Lab File: VL039292.D
Acq: 15 Jun 2022 9:50



Tgt Ion:105 Resp: 44122
Ion Ratio Lower Upper
105 100
120 38.4 38.1 57.1
91 14.5 47.4 71.0#
77 11.9 19.5 29.3#

