

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061422\
 Data File : VL039286.D
 Acq On : 14 Jun 2022 18:44
 Operator : SY/AP
 Sample : N3306-02 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1DL

Manual Integrations
 APPROVED

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

Quant Time: Jun 15 03:20:15 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 0

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	5.671	49	1290076	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.179	114	3557953	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.089	117	3189091	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.420	95	2466901	9.357	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.600%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.973	51	32707	0.199	ppbv #	70
9) Propene	3.018	41	39552	0.553	ppbv	84
13) Ethanol	3.610	45	66591m	17.060	ppbv	
15) Acetone	3.851	43	680663	5.065	ppbv	93
19) Isopropyl Alcohol	3.977	45	72342	1.148	ppbv #	93
20) Methylene Chloride	4.349	84	189921	3.354	ppbv	90
26) Hexane	5.694	57	128538	0.966	ppbv #	37
34) 2-Butanone	5.253	43	69119m	0.358	ppbv	
52) Tetrachloroethene	11.227	164	29930m	0.265	ppbv	
53) Toluene	9.812	91	79137m	0.238	ppbv	
58) Ethyl Benzene	12.716	91	55081m	0.125	ppbv	
59) m/p-Xylene	12.967	91	177493	0.459	ppbv	92
60) o-Xylene	13.696	91	97069	0.267	ppbv	98
72) 4-Ethyltoluene	15.844	105	57413m	0.135	ppbv	
73) 1,3,5-Trimethylbenzene	16.002	105	63666	0.166	ppbv	98
74) 1,2,4-Trimethylbenzene	16.761	105	245268	0.572	ppbv #	63

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

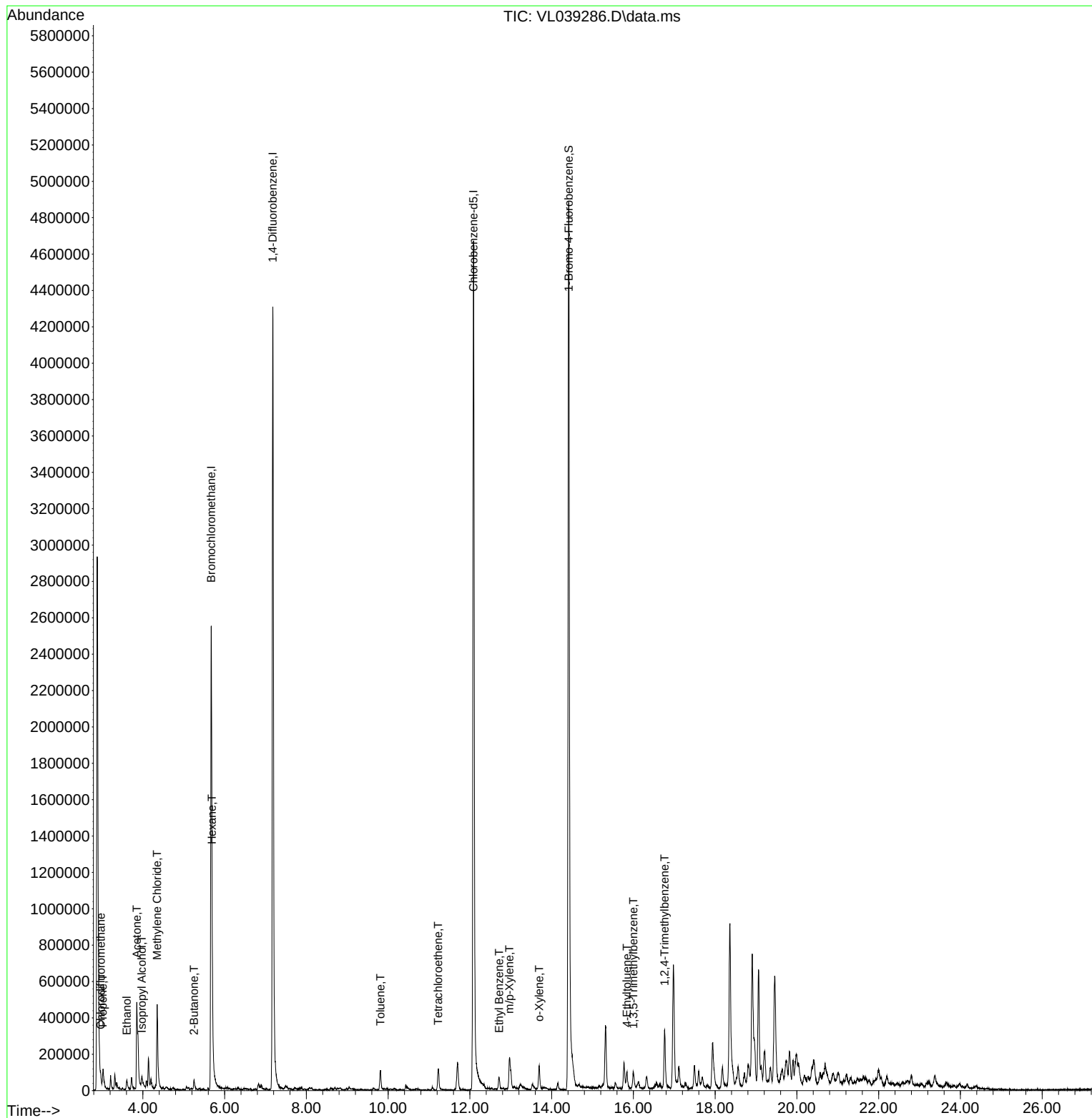
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061422\
Data File : VL039286.D
Acq On : 14 Jun 2022 18:44
Operator : SY/AP
Sample : N3306-02 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

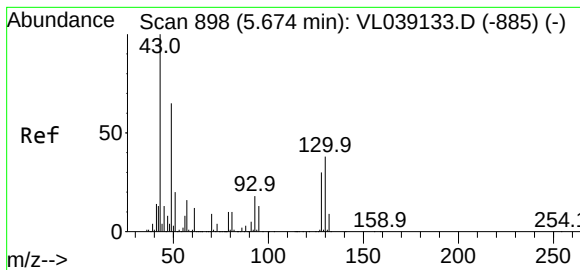
Instrument :
MSVOA_L
ClientSampleId :
SS-1DL

Quant Time: Jun 15 03:20:15 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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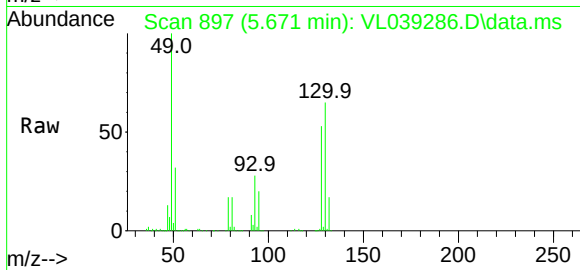
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.671 min Scan# 89
Delta R.T. -0.003 min
Lab File: VL039286.D
Acq: 14 Jun 2022 18:44

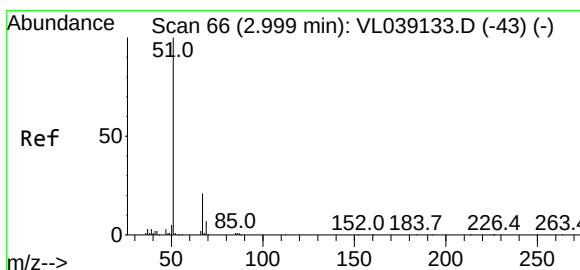
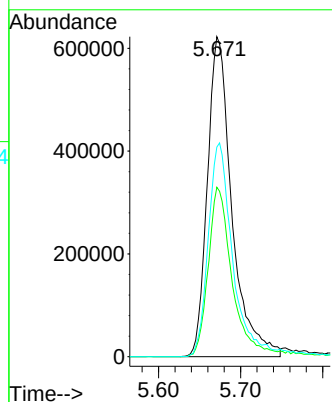
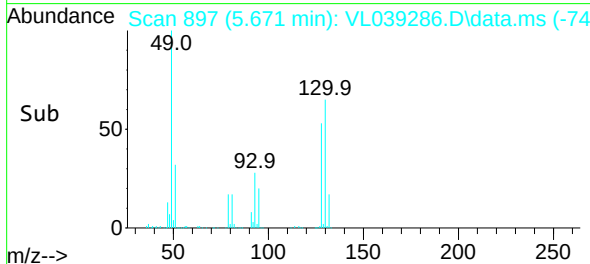
Instrument :
MSVOA_L
ClientSampleId :
SS-1DL



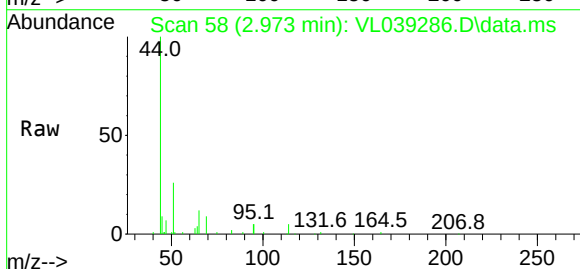
Tgt Ion: 49 Resp: 1290070
Ion Ratio Lower Upper
49 100
128 53.4 24.7 74.1
130 69.4 31.4 94.0

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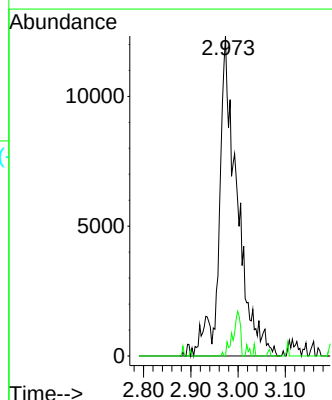
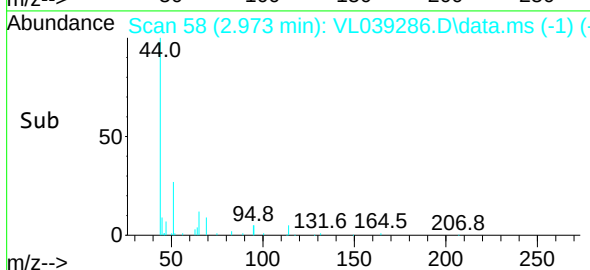
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022

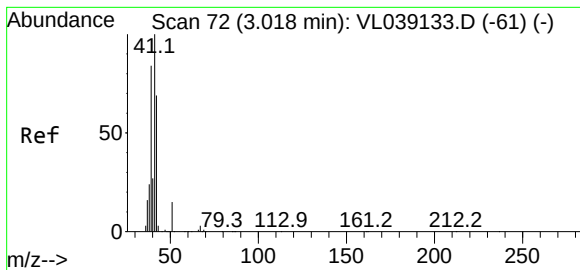


#3
Chlorodifluoromethane
Concen: 0.199 ppbv
RT: 2.973 min Scan# 58
Delta R.T. -0.026 min
Lab File: VL039286.D
Acq: 14 Jun 2022 18:44



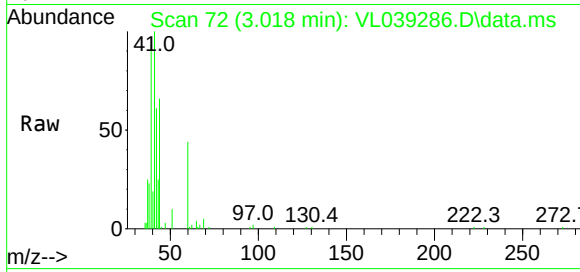
Tgt Ion: 51 Resp: 32707
Ion Ratio Lower Upper
51 100
67 6.4 16.2 24.4#





#9
 Propene
 Concen: 0.553 ppbv
 RT: 3.018 min Scan# 72
 Delta R.T. 0.000 min
 Lab File: VL039286.D
 Acq: 14 Jun 2022 18:44

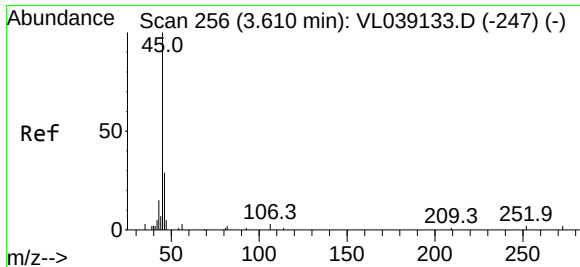
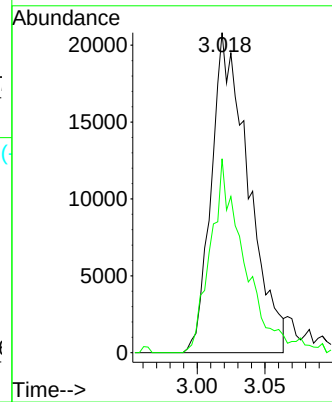
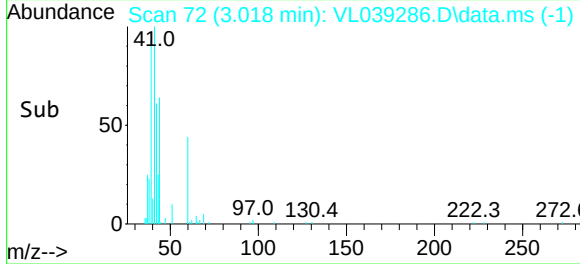
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1DL



Tgt Ion: 41 Resp: 39552
 Ion Ratio Lower Upper
 41 100
 42 56.5 55.4 83.2

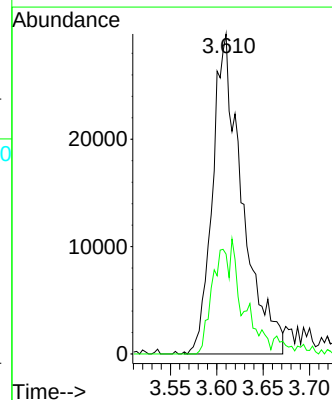
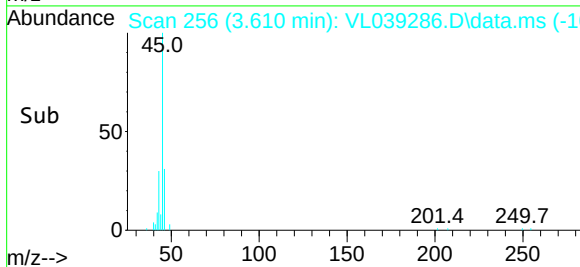
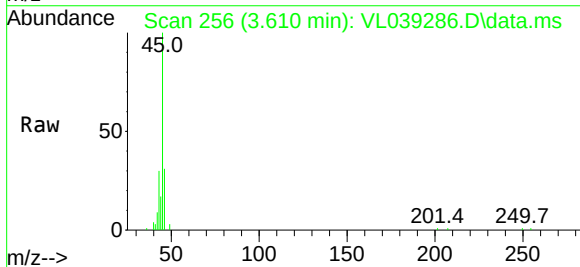
Manual Integrations
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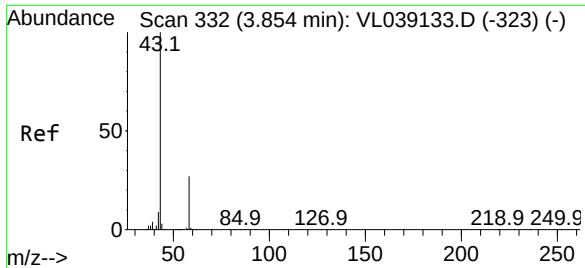
Reviewed By :Semsettin Yesilyurt 06/16/2022
 Supervised By :Mahesh Dadoda 06/16/2022



#13
 Ethanol
 Concen: 17.060 ppbv m
 RT: 3.610 min Scan# 256
 Delta R.T. 0.000 min
 Lab File: VL039286.D
 Acq: 14 Jun 2022 18:44

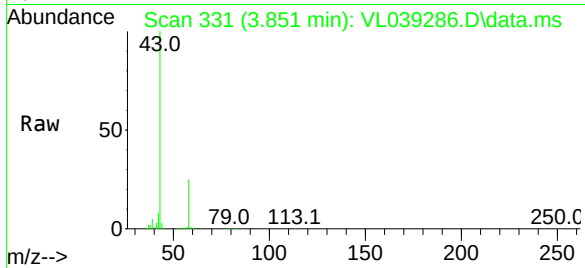
Tgt Ion: 45 Resp: 66591
 Ion Ratio Lower Upper
 45 100
 46 0.0 0.0 0.0





#15
Acetone
Concen: 5.065 ppbv
RT: 3.851 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL039286.D
Acq: 14 Jun 2022 18:44

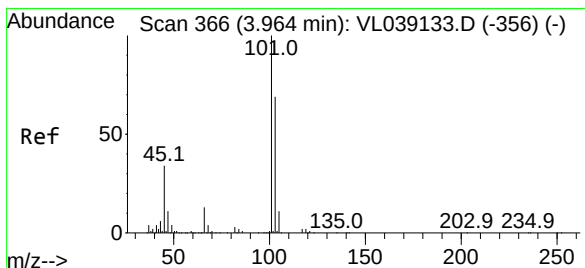
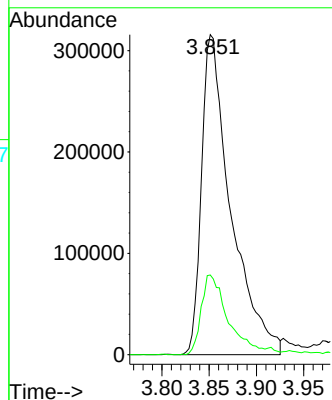
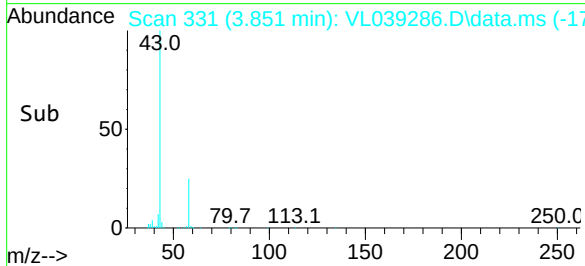
Instrument :
MSVOA_L
ClientSampleId :
SS-1DL



Tgt Ion: 43 Resp: 68066
Ion Ratio Lower Upper
43 100
58 24.4 22.5 33.7

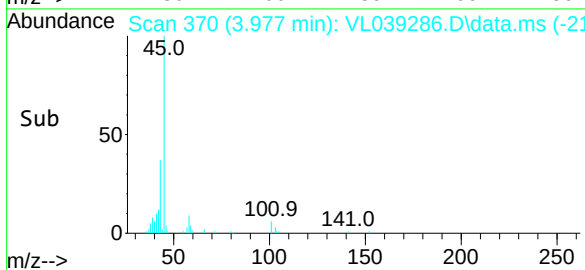
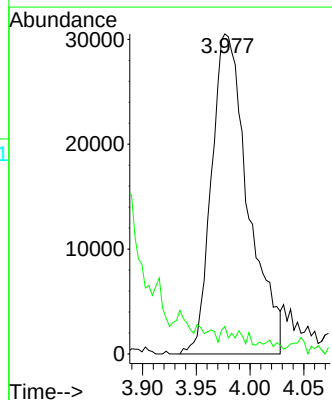
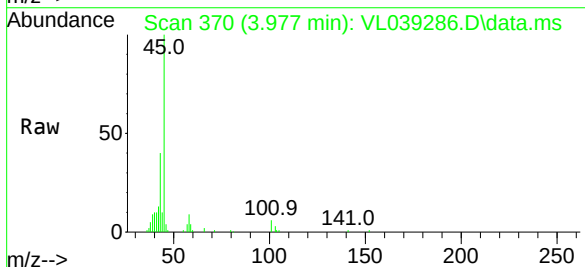
Manual Integrations
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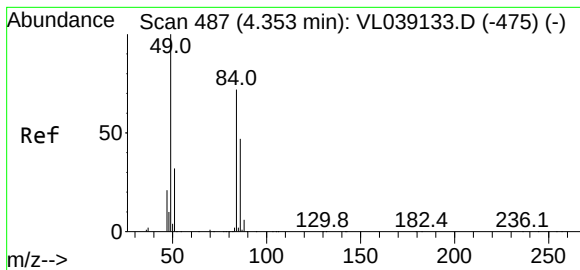
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022



#19
Isopropyl Alcohol
Concen: 1.148 ppbv
RT: 3.977 min Scan# 370
Delta R.T. 0.013 min
Lab File: VL039286.D
Acq: 14 Jun 2022 18:44

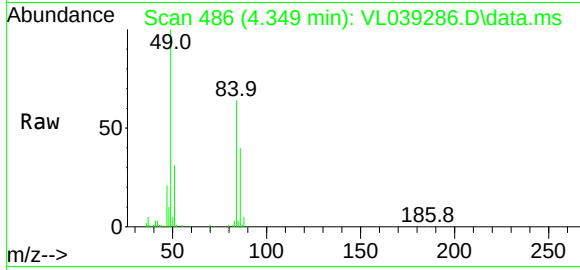
Tgt Ion: 45 Resp: 72342
Ion Ratio Lower Upper
45 100
58 0.0 1.8 2.8#





#20
Methylene Chloride
Concen: 3.354 ppbv
RT: 4.349 min Scan# 486
Delta R.T. -0.003 min
Lab File: VL039286.D
Acq: 14 Jun 2022 18:44

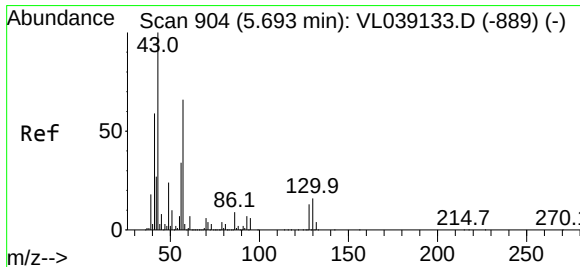
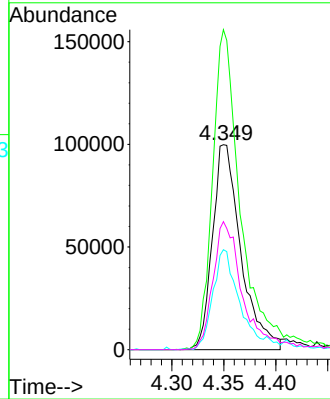
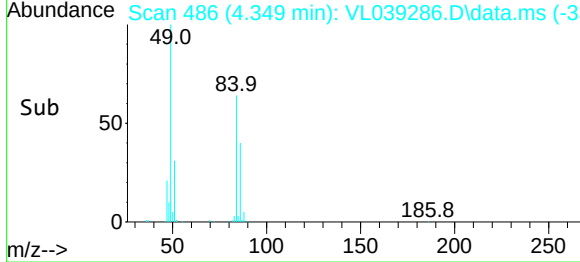
Instrument :
MSVOA_L
ClientSampleId :
SS-1DL



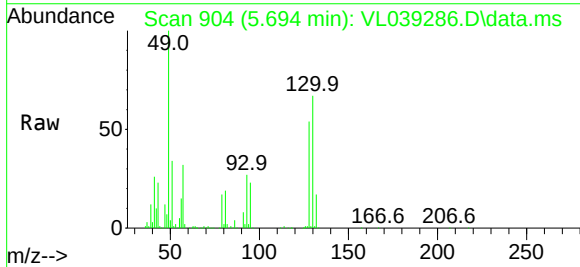
Tgt Ion:	84	Resp:	18992
Ion Ratio	Lower	Upper	
84	100		
49	156.1	111.1	166.7
51	48.6	35.3	52.9
86	62.5	51.9	77.9

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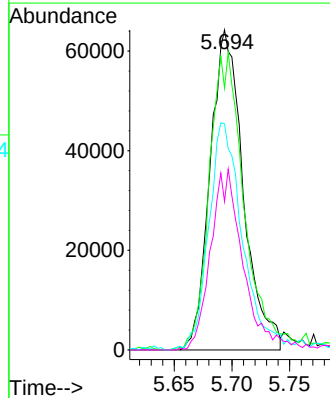
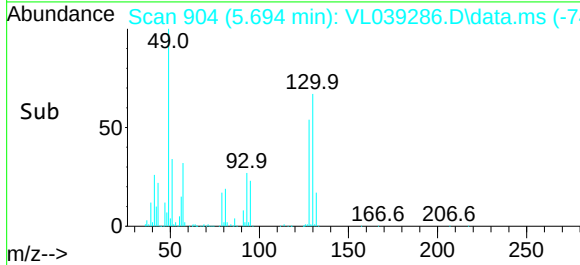
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022

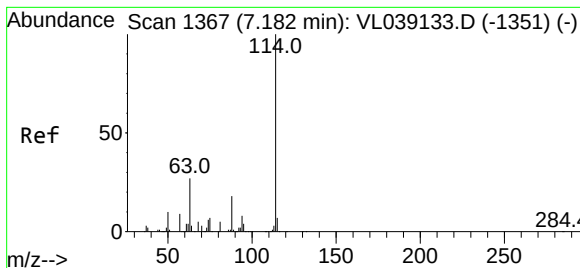


#26
Hexane
Concen: 0.966 ppbv
RT: 5.694 min Scan# 904
Delta R.T. 0.000 min
Lab File: VL039286.D
Acq: 14 Jun 2022 18:44



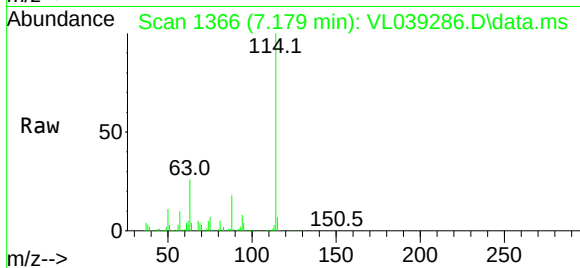
Tgt Ion:	57	Resp:	128538
Ion Ratio	Lower	Upper	
57	100		
41	101.1	72.4	108.6
43	74.1	187.0	280.6#
56	54.9	41.8	62.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.179 min Scan# 114
Delta R.T. -0.003 min
Lab File: VL039286.D
Acq: 14 Jun 2022 18:44

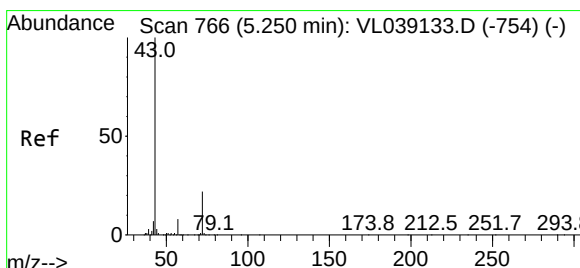
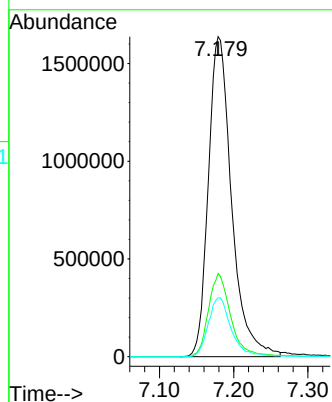
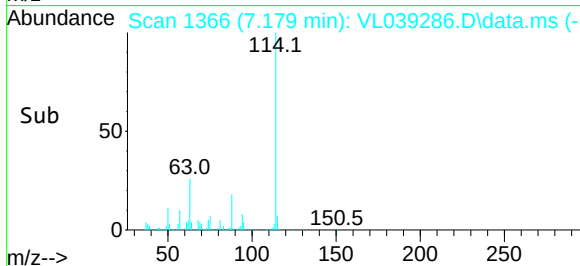
Instrument :
MSVOA_L
ClientSampleId :
SS-1DL



Tgt Ion:114 Resp: 355795
Ion Ratio Lower Upper
114 100
63 25.4 21.7 32.5
88 18.4 14.8 22.2

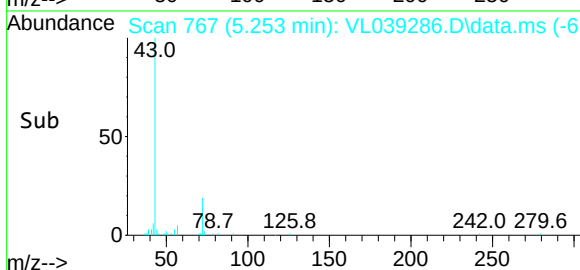
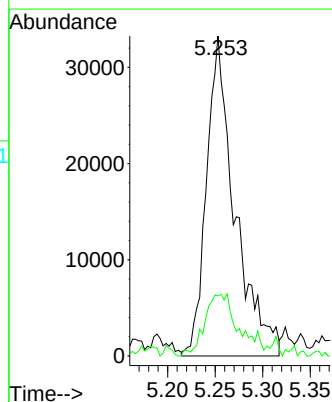
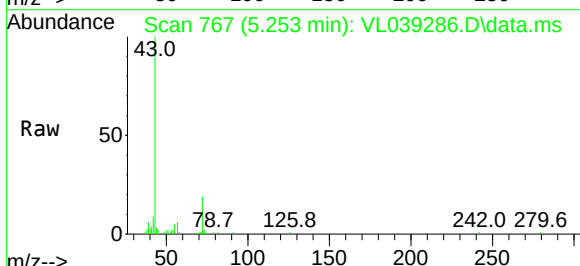
Manual Integrations
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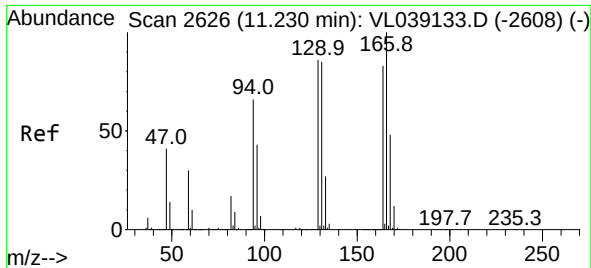
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022



#34
2-Butanone
Concen: 0.358 ppbv m
RT: 5.253 min Scan# 767
Delta R.T. 0.003 min
Lab File: VL039286.D
Acq: 14 Jun 2022 18:44

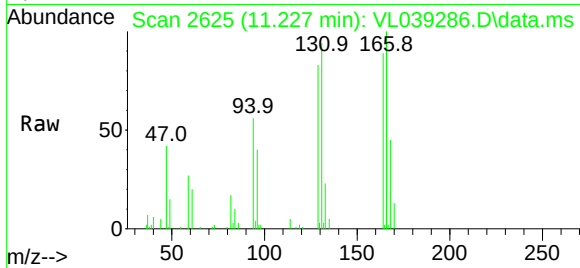
Tgt Ion: 43 Resp: 69119
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.2#





#52
Tetrachloroethene
Concen: 0.265 ppbv m
RT: 11.227 min Scan# 2625
Delta R.T. -0.003 min
Lab File: VL039286.D
Acq: 14 Jun 2022 18:44

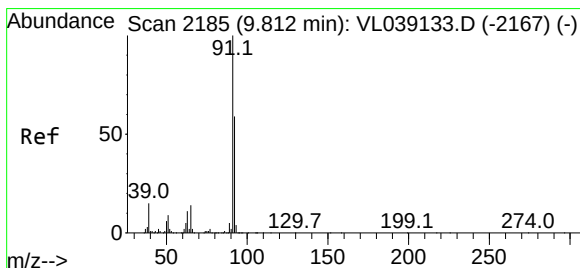
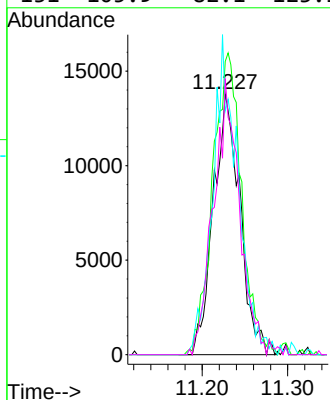
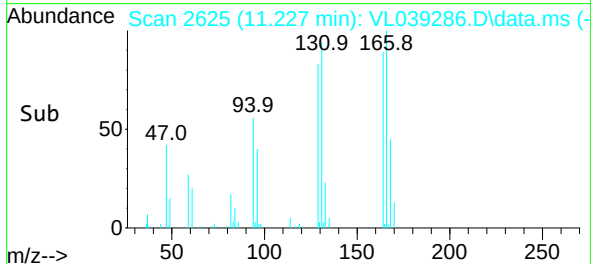
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MSVOA_L
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SS-1DL



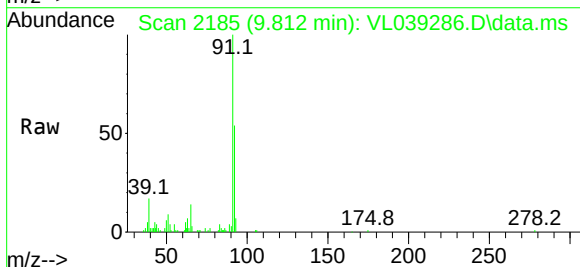
Tgt Ion:164 Resp: 29930
Ion Ratio Lower Upper
164 100
166 112.5 96.3 144.5
129 93.5 82.5 123.7
131 105.9 82.1 123.1

Manual Integrations
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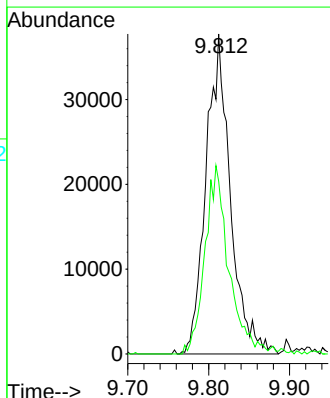
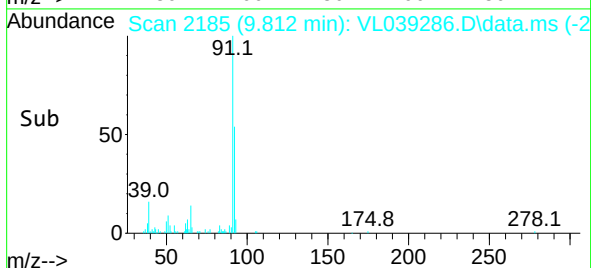
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Supervised By :Mahesh Dadoda 06/16/2022

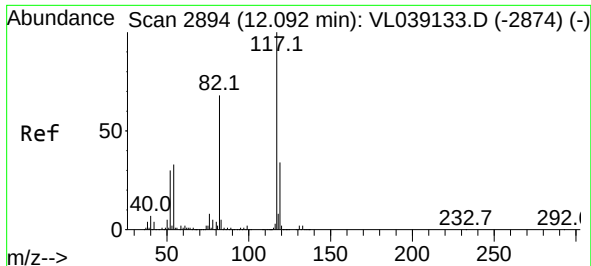


#53
Toluene
Concen: 0.238 ppbv m
RT: 9.812 min Scan# 2185
Delta R.T. 0.000 min
Lab File: VL039286.D
Acq: 14 Jun 2022 18:44



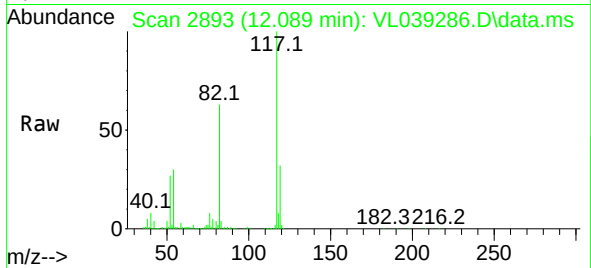
Tgt Ion: 91 Resp: 79137
Ion Ratio Lower Upper
91 100
92 0.0 48.1 72.1#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.089 min Scan# 2893
Delta R.T. -0.003 min
Lab File: VL039286.D
Acq: 14 Jun 2022 18:44

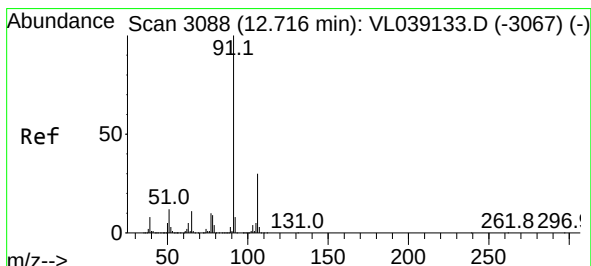
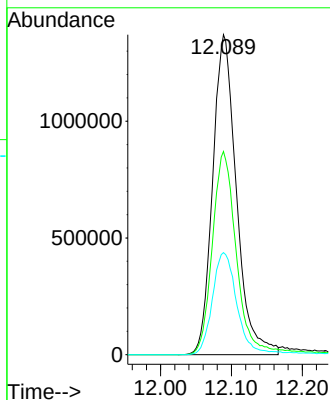
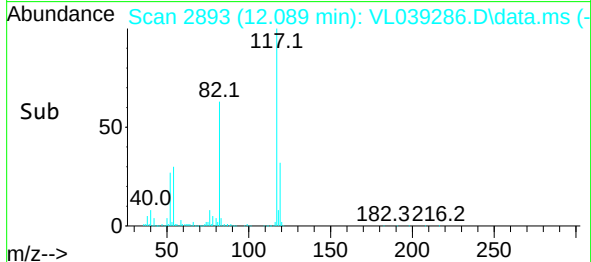
Instrument :
MSVOA_L
ClientSampleId :
SS-1DL



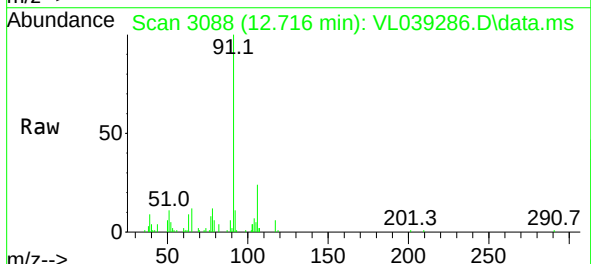
Tgt Ion:117 Resp: 318909
Ion Ratio Lower Upper
117 100
82 66.8 55.1 82.7
119 34.0 24.7 37.1

Manual Integrations
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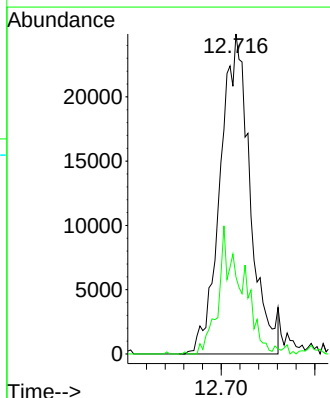
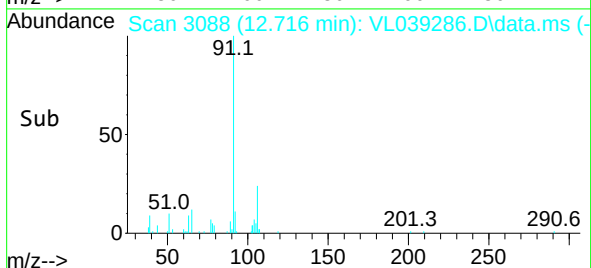
Reviewed By :Semsettin Yesilyurt 06/16/2022
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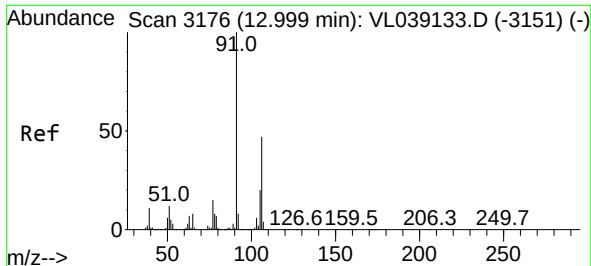


#58
Ethyl Benzene
Concen: 0.125 ppbv m
RT: 12.716 min Scan# 3088
Delta R.T. 0.000 min
Lab File: VL039286.D
Acq: 14 Jun 2022 18:44



Tgt Ion: 91 Resp: 55081
Ion Ratio Lower Upper
91 100
106 24.0 24.2 36.4#





#59

m/p-Xylene

Concen: 0.459 ppbv

RT: 12.967 min Scan# 3176

Delta R.T. -0.032 min

Lab File: VL039286.D

Acq: 14 Jun 2022 18:44

Instrument :

MSVOA_L

ClientSampleId :

SS-1DL

Tgt Ion: 91 Resp: 17749

Ion Ratio Lower Upper

91 100

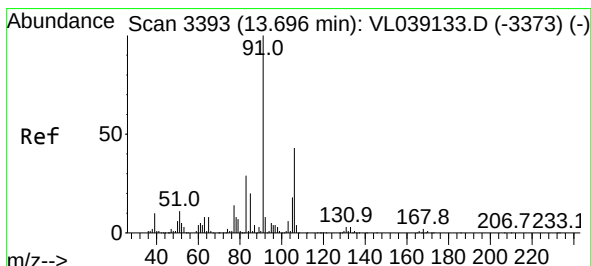
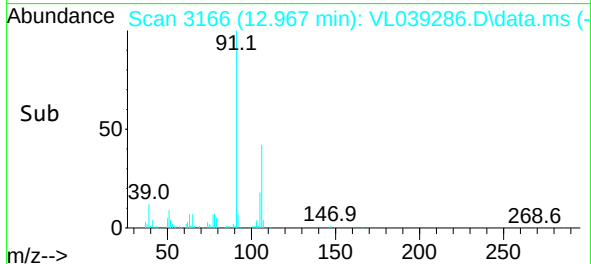
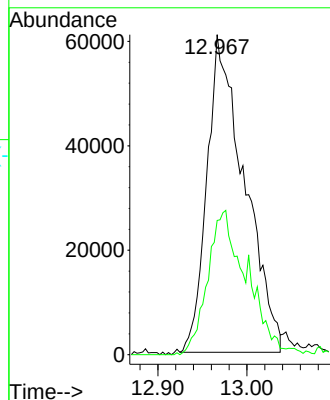
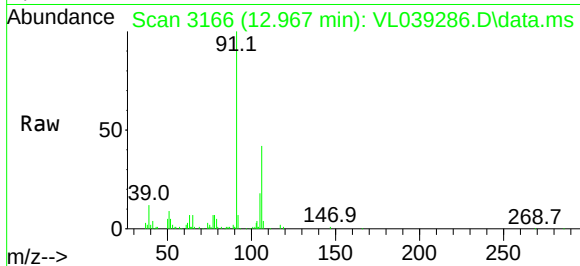
106 47.7 34.3 51.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/16/2022

Supervised By :Mahesh Dadoda 06/16/2022



#60

o-Xylene

Concen: 0.267 ppbv

RT: 13.696 min Scan# 3393

Delta R.T. 0.000 min

Lab File: VL039286.D

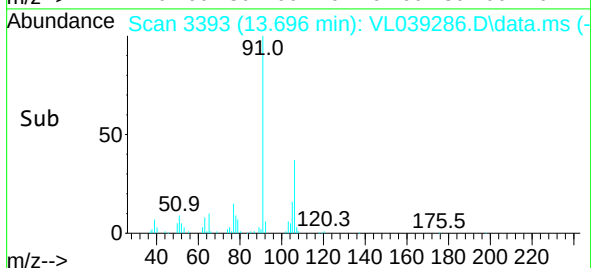
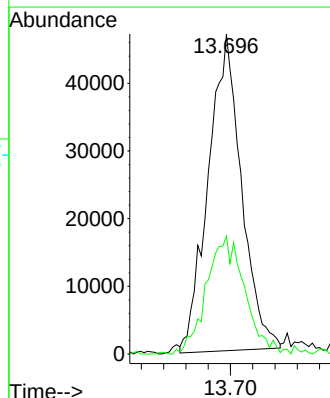
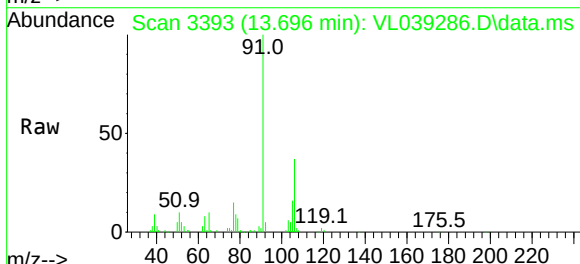
Acq: 14 Jun 2022 18:44

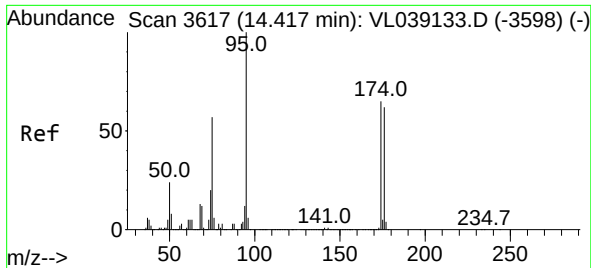
Tgt Ion: 91 Resp: 97069

Ion Ratio Lower Upper

91 100

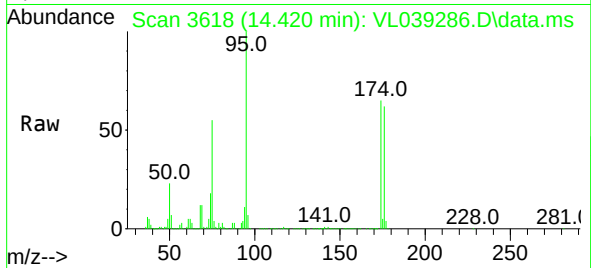
106 43.2 22.3 66.9





#68
1-Bromo-4-Fluorobenzene
Concen: 9.357 ppbv
RT: 14.420 min Scan# 3618
Delta R.T. 0.003 min
Lab File: VL039286.D
Acq: 14 Jun 2022 18:44

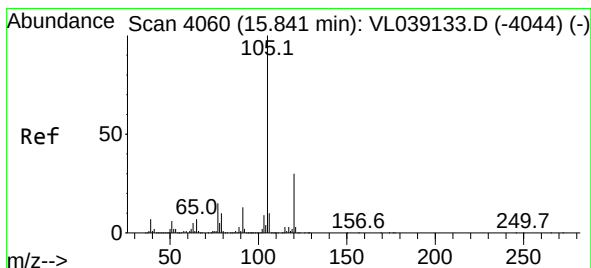
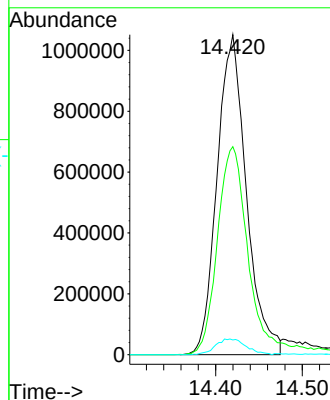
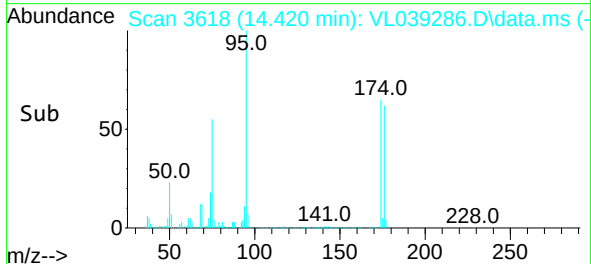
Instrument :
MSVOA_L
ClientSampleId :
SS-1DL



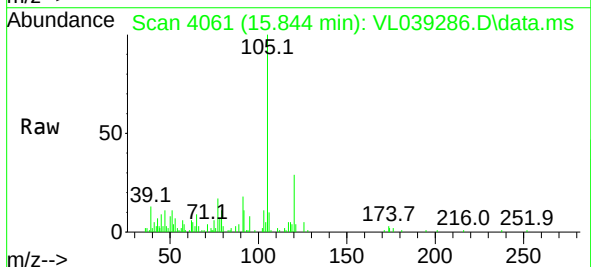
Tgt Ion: 95 Resp: 246690
Ion Ratio Lower Upper
95 100
174 71.2 53.8 80.8
175 5.3 4.1 6.1

Manual Integrations
APPROVED

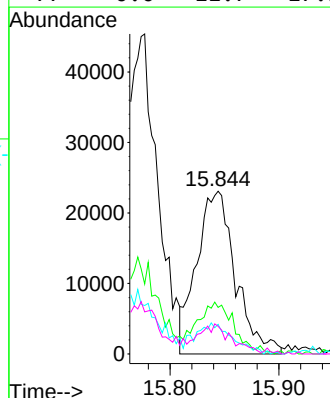
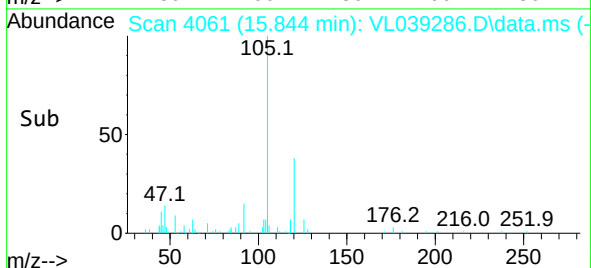
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022

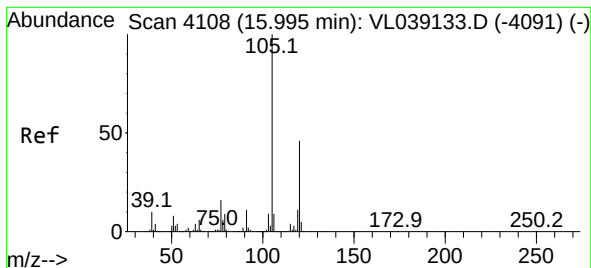


#72
4-Ethyltoluene
Concen: 0.135 ppbv m
RT: 15.844 min Scan# 4061
Delta R.T. 0.003 min
Lab File: VL039286.D
Acq: 14 Jun 2022 18:44



Tgt Ion:105 Resp: 57413
Ion Ratio Lower Upper
105 100
120 0.0 23.9 35.9#
91 0.0 10.6 16.0#
77 0.0 11.7 17.5#





#73

1,3,5-Trimethylbenzene

Concen: 0.166 ppbv

RT: 16.002 min Scan# 4108

Delta R.T. 0.007 min

Lab File: VL039286.D

Acq: 14 Jun 2022 18:44

Instrument :

MSVOA_L

ClientSampleId :

SS-1DL

Tgt Ion:105 Resp: 6366

Ion Ratio Lower Upper

105 100

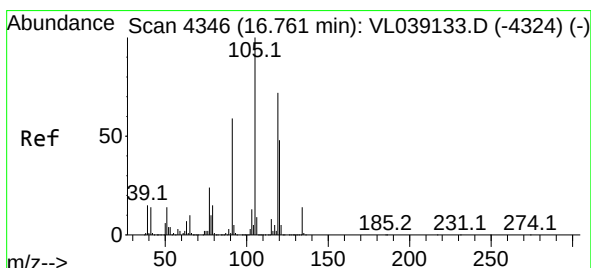
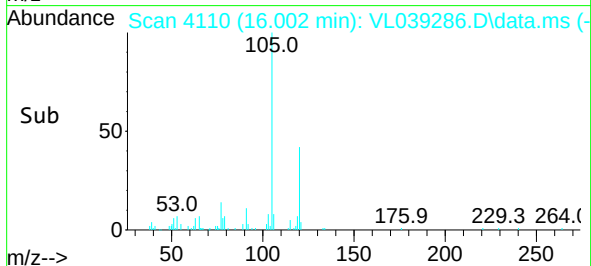
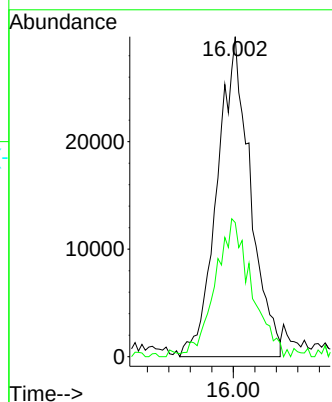
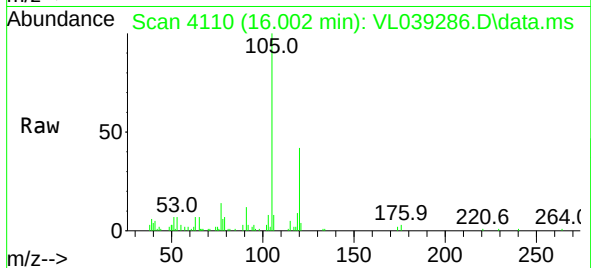
120 44.5 36.7 55.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/16/2022

Supervised By :Mahesh Dadoda 06/16/2022



#74

1,2,4-Trimethylbenzene

Concen: 0.572 ppbv

RT: 16.761 min Scan# 4346

Delta R.T. 0.000 min

Lab File: VL039286.D

Acq: 14 Jun 2022 18:44

Tgt Ion:105 Resp: 245268

Ion Ratio Lower Upper

105 100

120 37.9 38.1 57.1#

91 12.0 47.4 71.0#

77 13.9 19.5 29.3#

