

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062722\
 Data File : VL039375.D
 Acq On : 28 Jun 2022 2:12
 Operator : SY/AP
 Sample : N3453-02 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/29/2022
 Supervised By : Mahesh Dadoda 06/30/2022

Quant Time: Jun 28 04:41:26 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed 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	5.661	49	1048630	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.169	114	2979471	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.076	117	2655696	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.404	95	1995090	9.087	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.900%
Target Compounds						
						Qvalue
9) Propene	2.999	41	11367m	0.195	ppbv	
10) Heptane	8.115	43	15732m	0.116	ppbv	
13) Ethanol	3.613	45	82473m	25.994	ppbv	
15) Acetone	3.861	43	466018	4.266	ppbv	97
20) Methylene Chloride	4.337	84	13249m	0.288	ppbv	
26) Hexane	5.677	57	27979m	0.259	ppbv	
27) Carbon Disulfide	4.546	76	17651m	0.157	ppbv	
34) 2-Butanone	5.259	43	29661m	0.183	ppbv	
36) Benzene	6.883	78	61452m	0.254	ppbv	
52) Tetrachloroethene	11.214	164	4189m	0.044	ppbv	
53) Toluene	9.799	91	177289	0.637	ppbv	96
58) Ethyl Benzene	12.700	91	41434m	0.113	ppbv	
59) m/p-Xylene	12.963	91	130937m	0.406	ppbv	
60) o-Xylene	13.684	91	47934m	0.158	ppbv	
73) 1,3,5-Trimethylbenzene	15.979	105	49614m	0.155	ppbv	
74) 1,2,4-Trimethylbenzene	16.751	105	205354	0.575	ppbv #	61

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

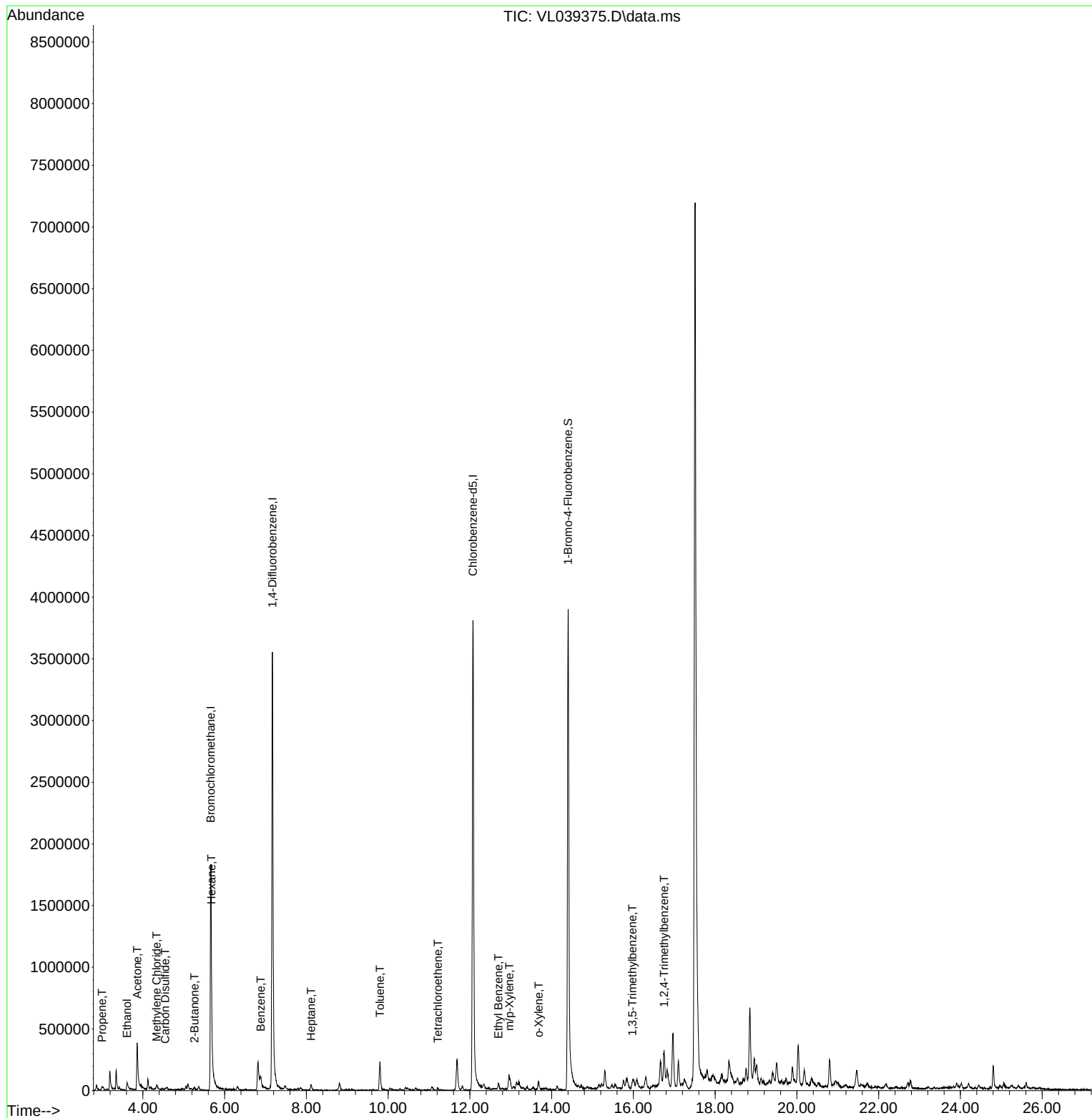
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062722\
Data File : VL039375.D
Acq On : 28 Jun 2022 2:12
Operator : SY/AP
Sample : N3453-02 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

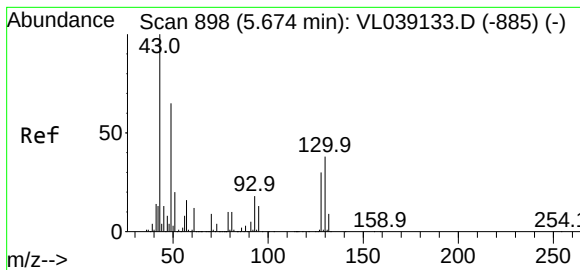
Instrument :
MSVOA_L
ClientSampleId :
SG-2

Quant Time: Jun 28 04:41:26 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
APPROVED

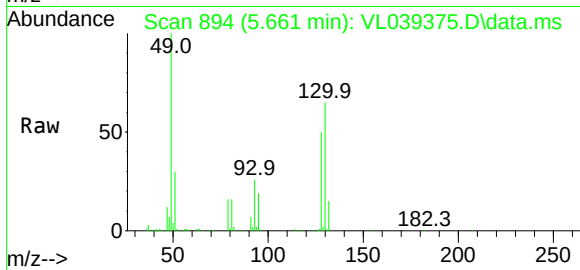
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.661 min Scan# 89
Delta R.T. -0.013 min
Lab File: VL039375.D
Acq: 28 Jun 2022 2:12

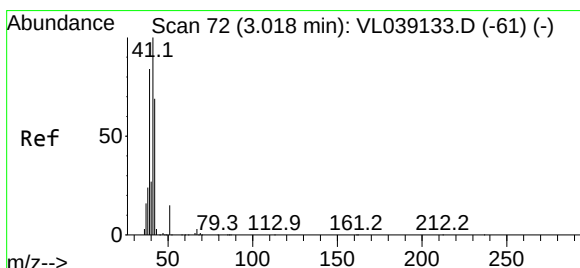
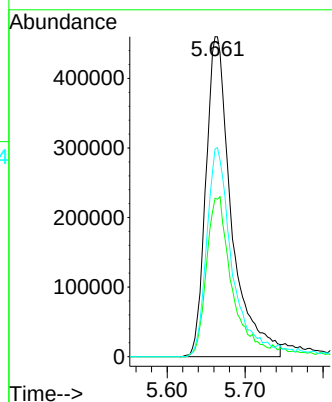
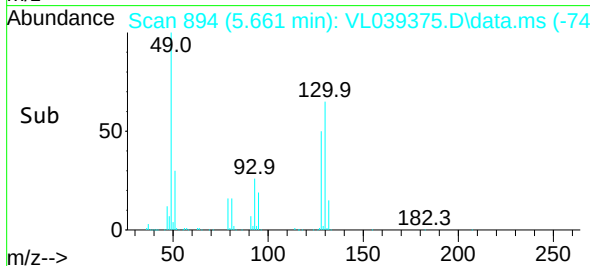
Instrument :
MSVOA_L
ClientSampleId :
SG-2



Tgt Ion: 49 Resp: 1048630
Ion Ratio Lower Upper
49 100
128 53.0 24.7 74.1
130 68.8 31.4 94.0

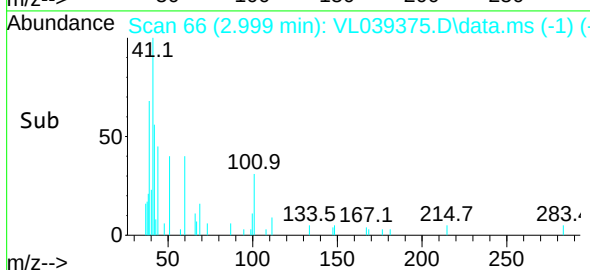
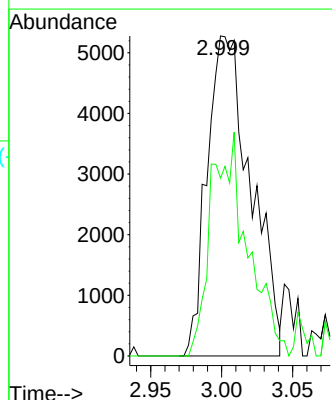
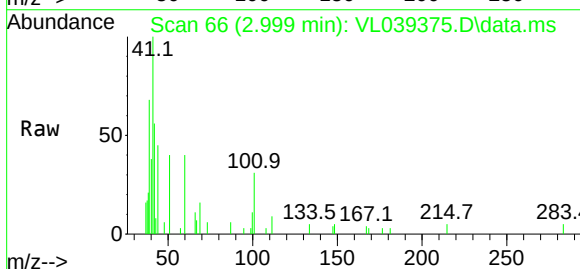
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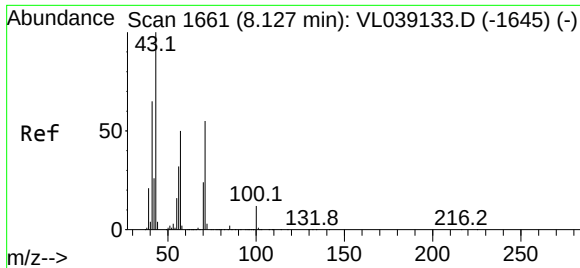
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#9
Propene
Concen: 0.195 ppbv m
RT: 2.999 min Scan# 66
Delta R.T. -0.019 min
Lab File: VL039375.D
Acq: 28 Jun 2022 2:12

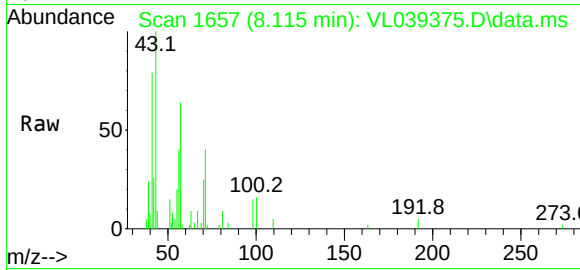
Tgt Ion: 41 Resp: 11367
Ion Ratio Lower Upper
41 100
42 393.7 55.4 83.2#





#10
Heptane
Concen: 0.116 ppbv m
RT: 8.115 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL039375.D
Acq: 28 Jun 2022 2:12

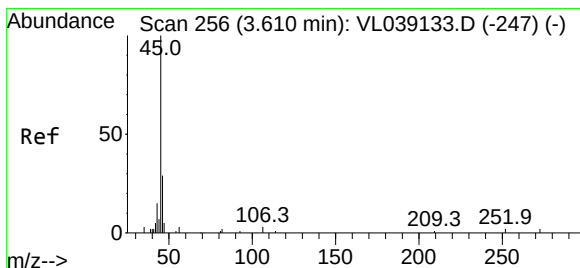
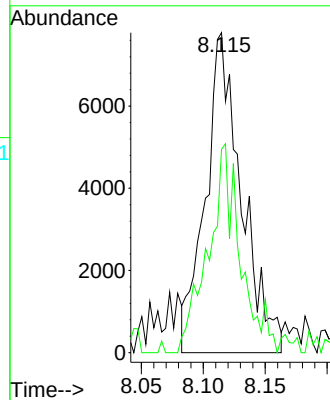
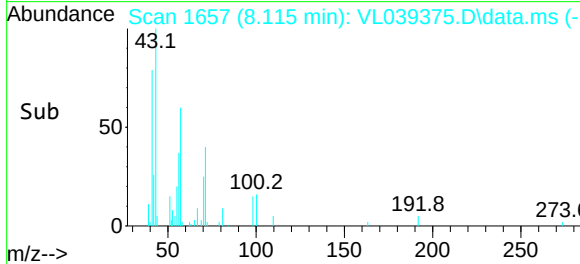
Instrument :
MSVOA_L
ClientSampleId :
SG-2



Tgt Ion: 43 Resp: 15732
Ion Ratio Lower Upper
43 100
57 59.6 41.4 62.2

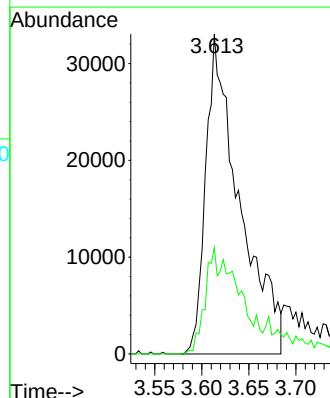
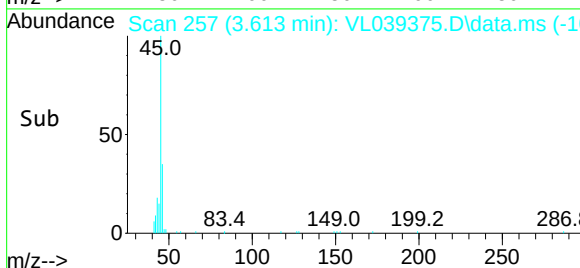
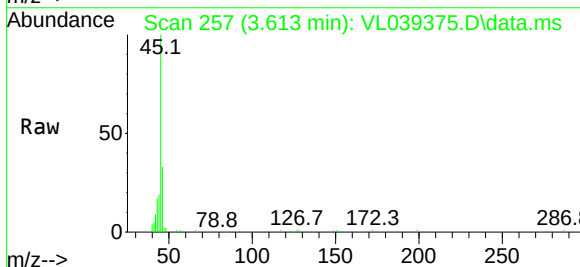
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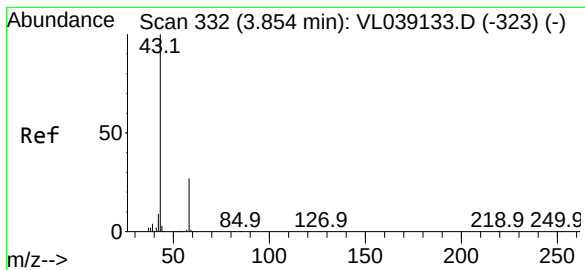
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#13
Ethanol
Concen: 25.994 ppbv m
RT: 3.613 min Scan# 257
Delta R.T. 0.003 min
Lab File: VL039375.D
Acq: 28 Jun 2022 2:12

Tgt Ion: 45 Resp: 82473
Ion Ratio Lower Upper
45 100
46 32.4 0.0 0.0#





#15

Acetone

Concen: 4.266 ppbv

RT: 3.861 min Scan# 31

Delta R.T. 0.007 min

Lab File: VL039375.D

Acq: 28 Jun 2022 2:12

Instrument :

MSVOA_L

ClientSampleId :

SG-2

Tgt Ion: 43 Resp: 466018

Ion Ratio Lower Upper

43 100

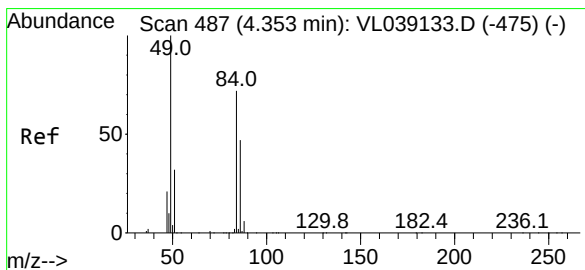
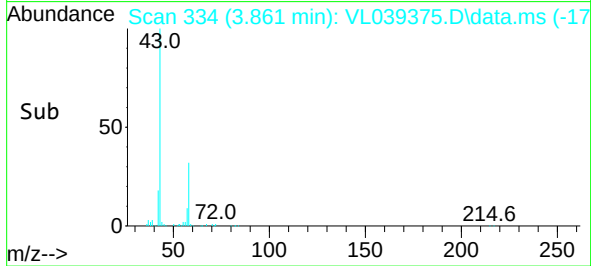
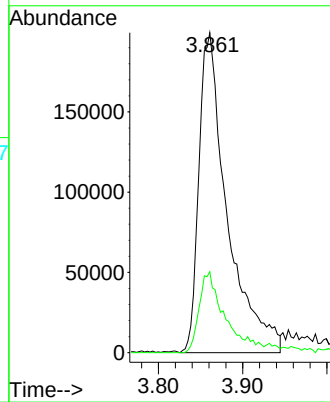
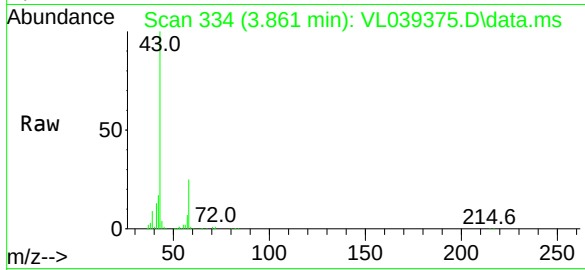
58 26.6 22.5 33.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/29/2022

Supervised By :Mahesh Dadoda 06/30/2022



#20

Methylene Chloride

Concen: 0.288 ppbv m

RT: 4.337 min Scan# 482

Delta R.T. -0.016 min

Lab File: VL039375.D

Acq: 28 Jun 2022 2:12

Tgt Ion: 84 Resp: 13249

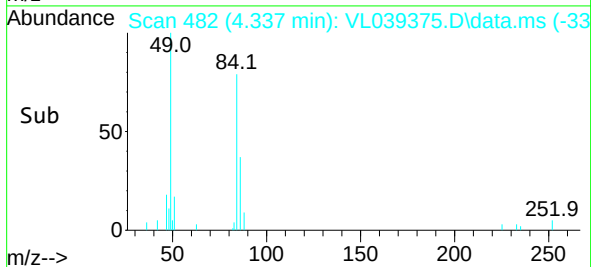
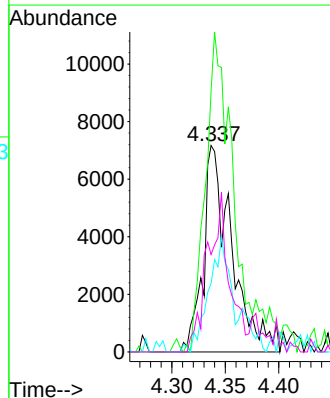
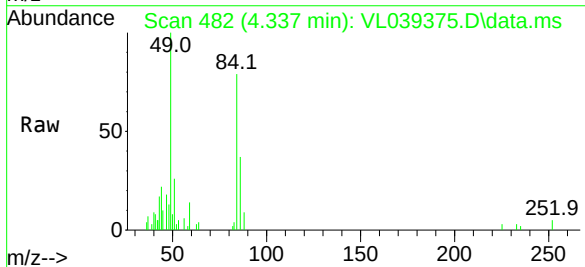
Ion Ratio Lower Upper

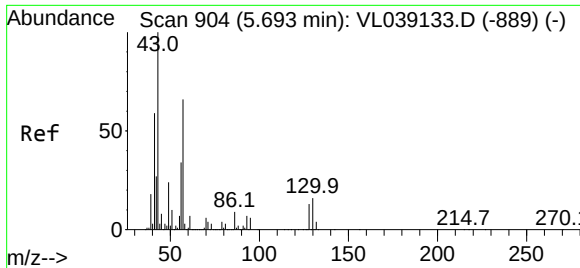
84 100

49 126.3 111.1 166.7

51 33.2 35.3 52.9#

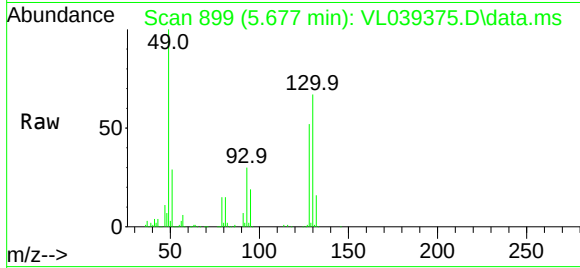
86 47.2 51.9 77.9#





#26
Hexane
Concen: 0.259 ppbv m
RT: 5.677 min Scan# 899
Delta R.T. -0.016 min
Lab File: VL039375.D
Acq: 28 Jun 2022 2:12

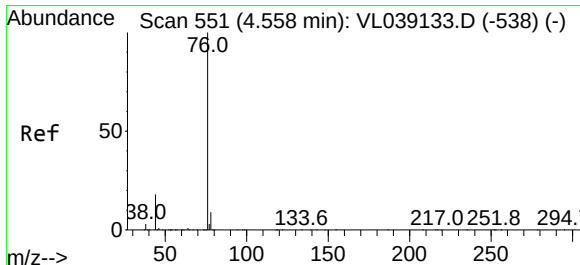
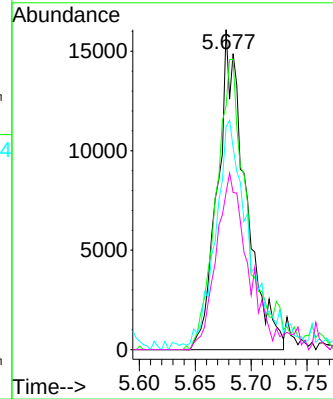
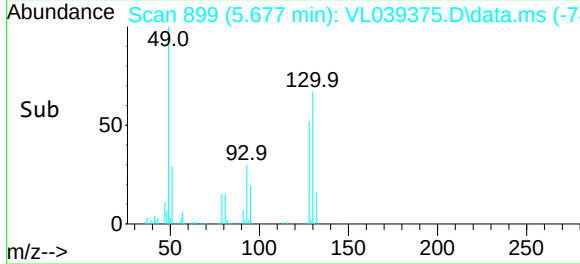
Instrument :
MSVOA_L
ClientSampleId :
SG-2



Tgt Ion: 57 Resp: 27979
Ion Ratio Lower Upper
57 100
41 107.2 72.4 108.6
43 91.7 187.0 280.6
56 68.1 41.8 62.6#

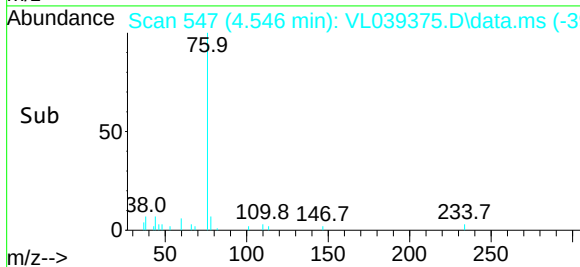
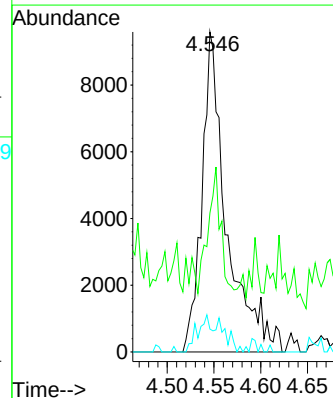
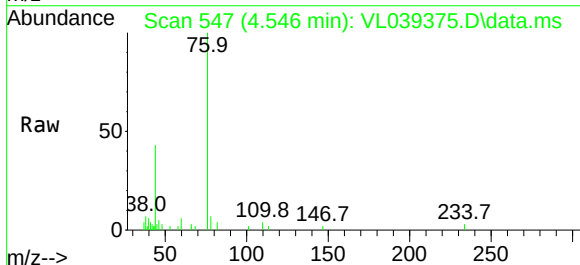
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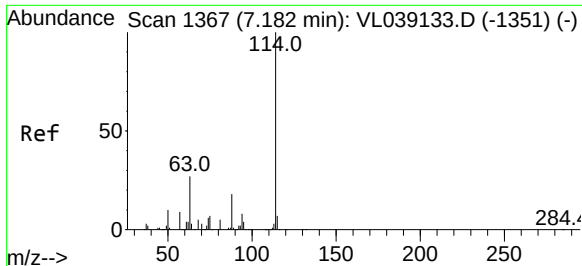
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#27
Carbon Disulfide
Concen: 0.157 ppbv m
RT: 4.546 min Scan# 547
Delta R.T. -0.013 min
Lab File: VL039375.D
Acq: 28 Jun 2022 2:12

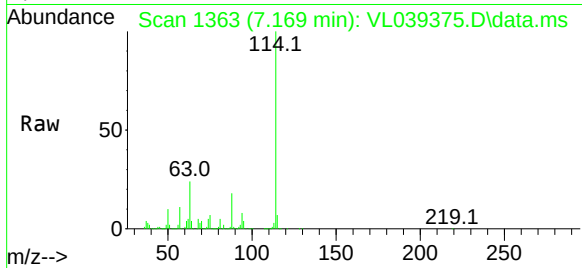
Tgt Ion: 76 Resp: 17651
Ion Ratio Lower Upper
76 100
44 23.4 14.4 21.6#
78 11.2 7.7 11.5





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.169 min Scan# 114
Delta R.T. -0.013 min
Lab File: VL039375.D
Acq: 28 Jun 2022 2:12

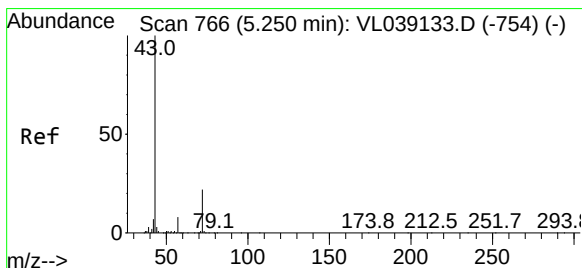
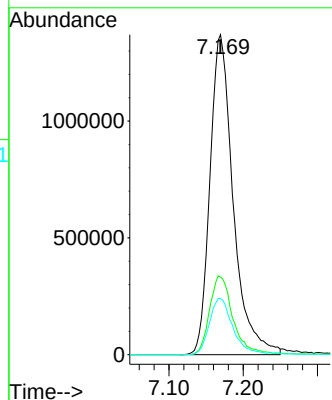
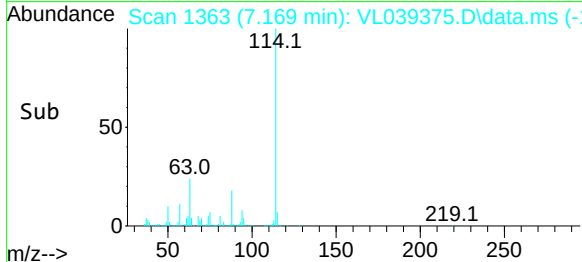
Instrument : MSVOA_L
ClientSampleId : SG-2



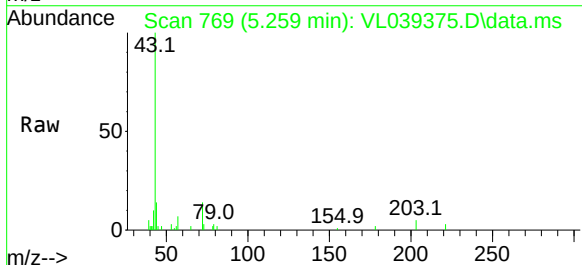
Tgt Ion: 114 Resp: 297947
Ion Ratio Lower Upper
114 100
63 25.1 21.7 32.5
88 18.2 14.8 22.2

Manual Integrations
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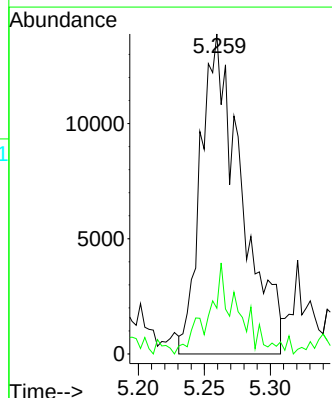
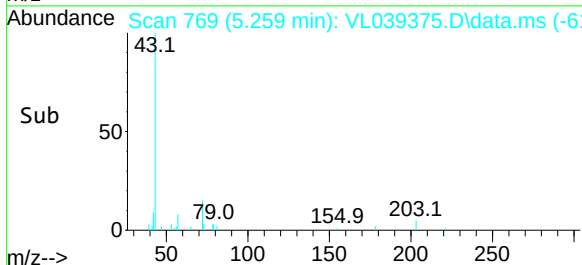
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022

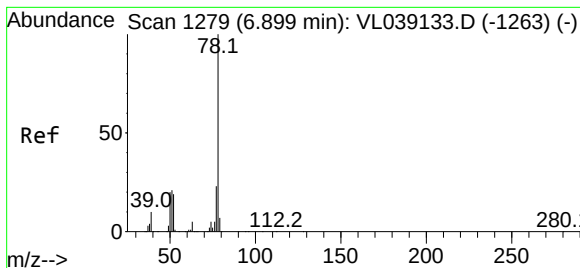


#34
2-Butanone
Concen: 0.183 ppbv m
RT: 5.259 min Scan# 769
Delta R.T. 0.010 min
Lab File: VL039375.D
Acq: 28 Jun 2022 2:12



Tgt Ion: 43 Resp: 29661
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.2#





#36

Benzene

Concen: 0.254 ppbv m

RT: 6.883 min Scan# 1

Delta R.T. -0.016 min

Lab File: VL039375.D

Acq: 28 Jun 2022 2:12

Instrument :

MSVOA_L

ClientSampleId :

SG-2

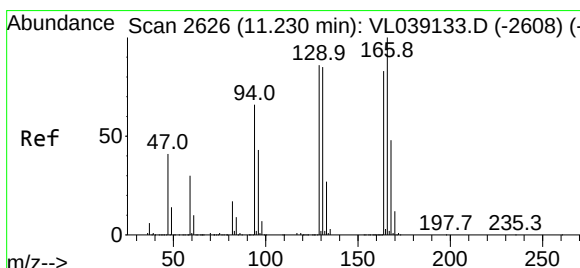
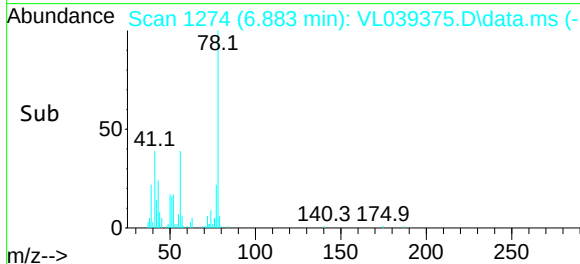
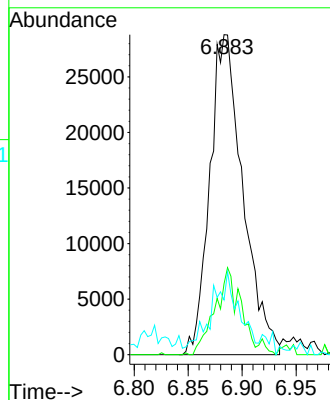
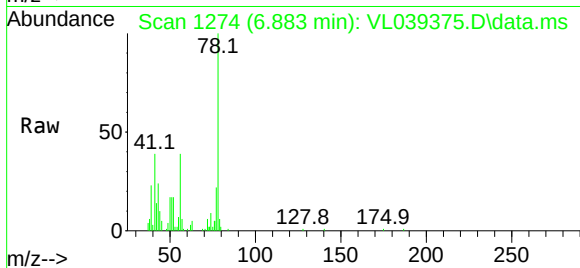
Tgt Ion: 78	Resp: 6145
Ion Ratio	Lower Upper
78 100	
77 22.1	18.6 27.8
50 17.1	15.8 23.8

Manual Integrations

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Supervised By :Mahesh Dadoda 06/30/2022



#52

Tetrachloroethene

Concen: 0.044 ppbv m

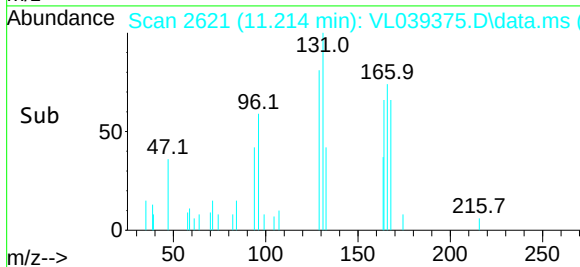
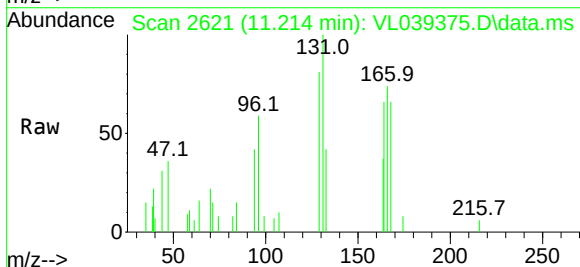
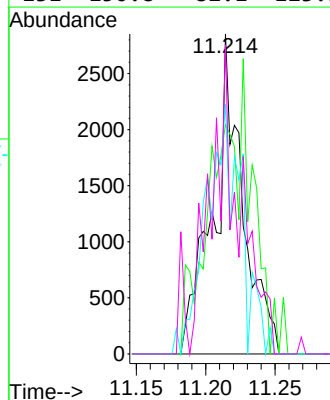
RT: 11.214 min Scan# 2621

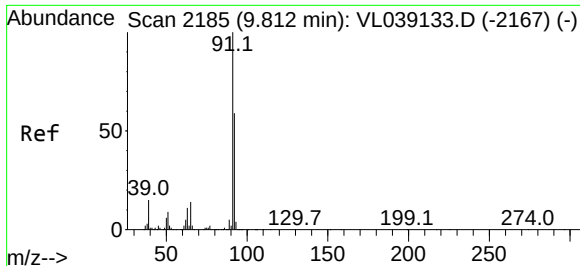
Delta R.T. -0.016 min

Lab File: VL039375.D

Acq: 28 Jun 2022 2:12

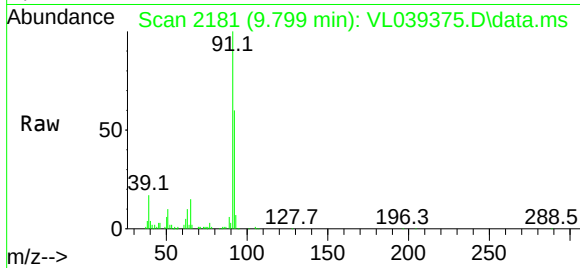
Tgt Ion:164	Resp: 4189
Ion Ratio	Lower Upper
164 100	
166 111.7	96.3 144.5
129 121.9	82.5 123.7
131 150.8	82.1 123.1#





#53
Toluene
Concen: 0.637 ppbv
RT: 9.799 min Scan# 2185
Delta R.T. -0.013 min
Lab File: VL039375.D
Acq: 28 Jun 2022 2:12

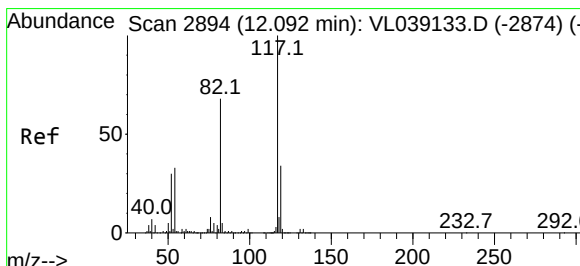
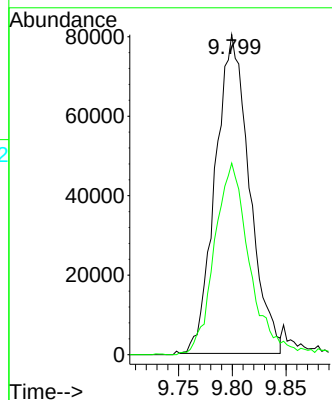
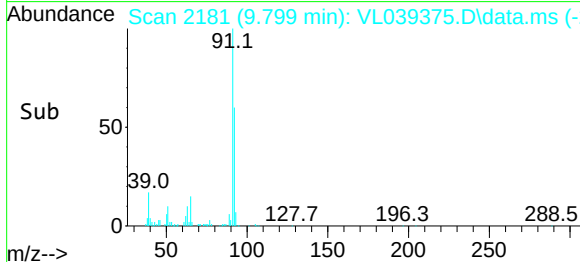
Instrument :
MSVOA_L
ClientSampleId :
SG-2



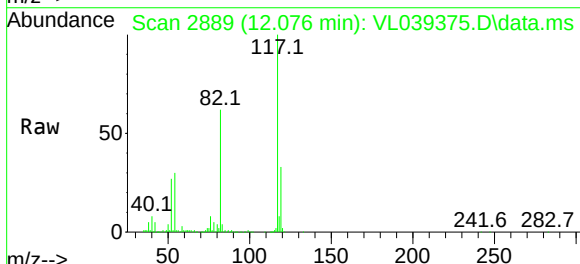
Tgt Ion: 91 Resp: 177289
Ion Ratio Lower Upper
91 100
92 63.4 48.1 72.1

Manual Integrations
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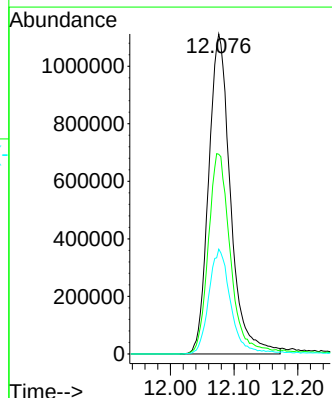
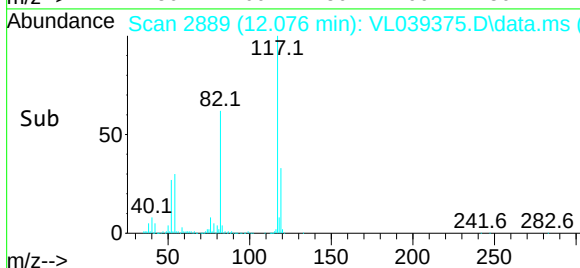
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022

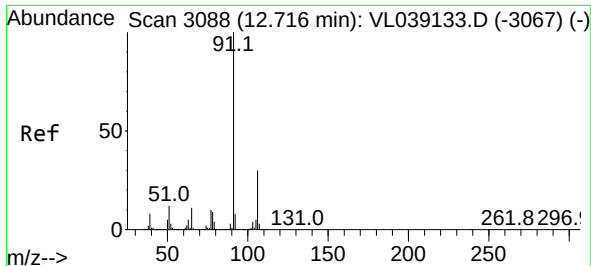


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.076 min Scan# 2889
Delta R.T. -0.016 min
Lab File: VL039375.D
Acq: 28 Jun 2022 2:12



Tgt Ion:117 Resp: 2655696
Ion Ratio Lower Upper
117 100
82 64.6 55.1 82.7
119 33.6 24.7 37.1





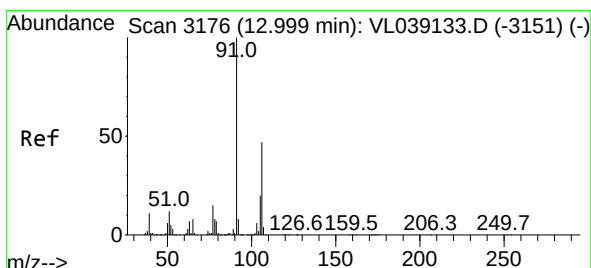
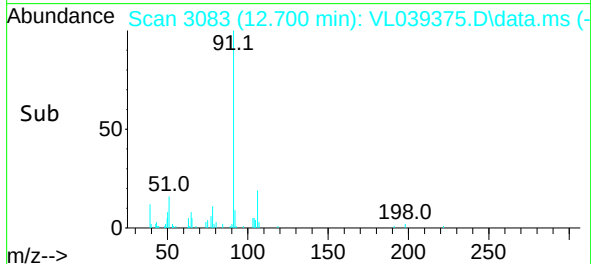
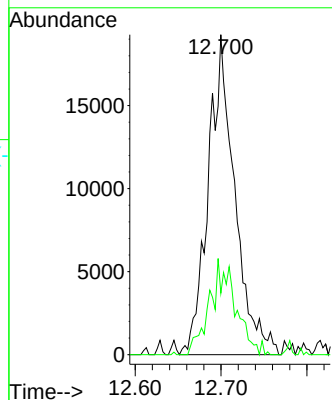
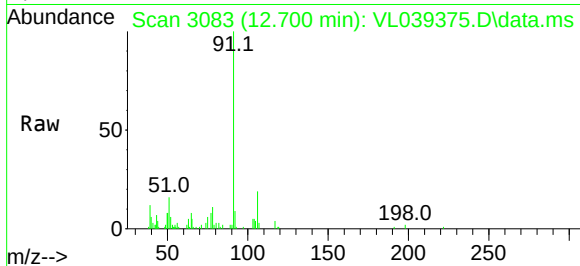
#58
Ethyl Benzene
Concen: 0.113 ppbv m
RT: 12.700 min Scan# 3088
Delta R.T. -0.016 min
Lab File: VL039375.D
Acq: 28 Jun 2022 2:12

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion: 91 Resp: 41434
Ion Ratio Lower Upper
91 100
106 19.2 24.2 36.4

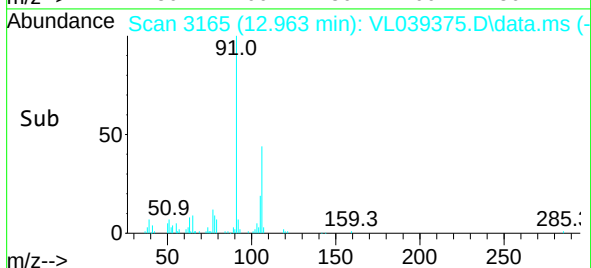
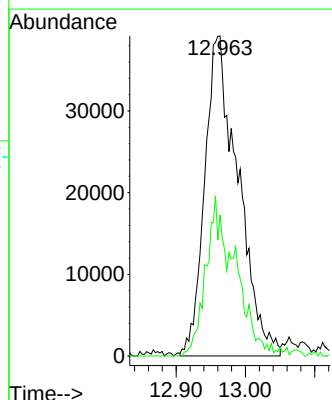
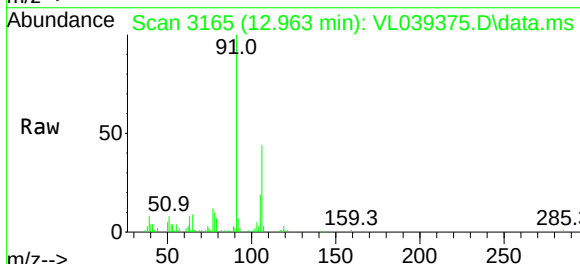
Manual Integrations
APPROVED

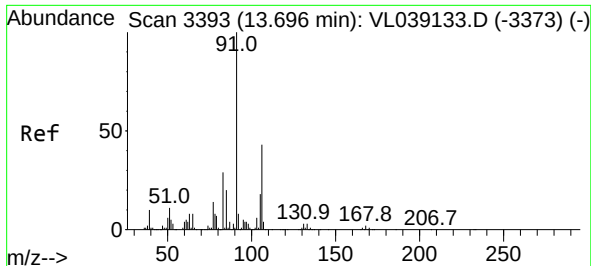
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#59
m/p-Xylene
Concen: 0.406 ppbv m
RT: 12.963 min Scan# 3165
Delta R.T. -0.035 min
Lab File: VL039375.D
Acq: 28 Jun 2022 2:12

Tgt Ion: 91 Resp: 130937
Ion Ratio Lower Upper
91 100
106 0.0 34.3 51.5





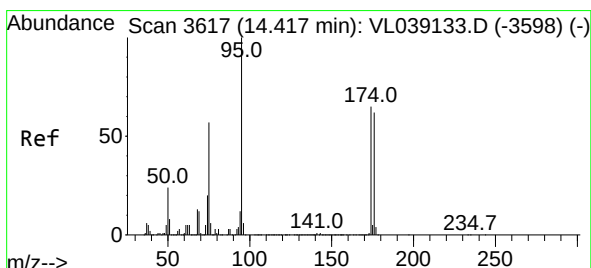
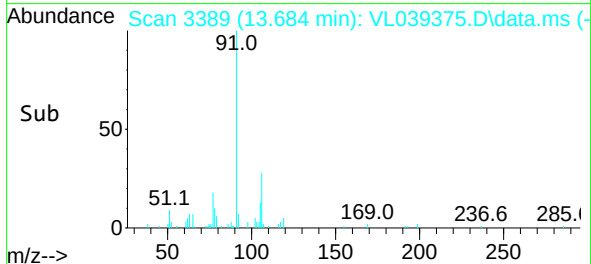
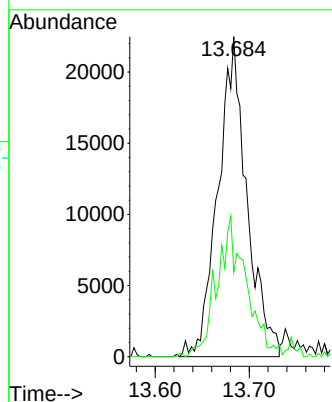
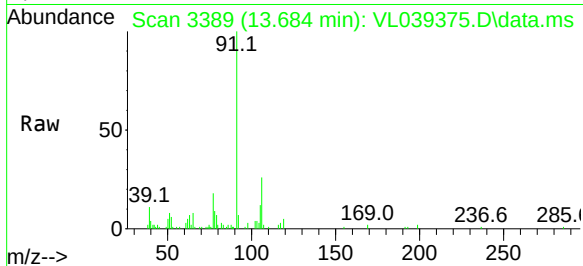
#60
o-Xylene
Concen: 0.158 ppbv m
RT: 13.684 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL039375.D
Acq: 28 Jun 2022 2:12

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion: 91 Resp: 47934
Ion Ratio Lower Upper
91 100
106 46.0 22.3 66.9

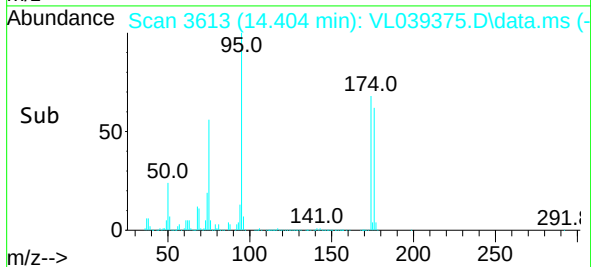
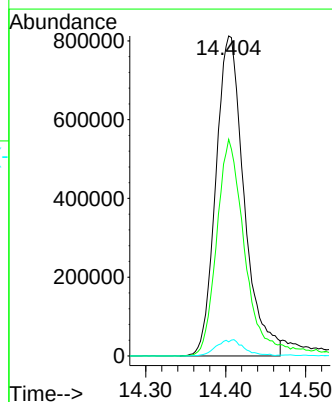
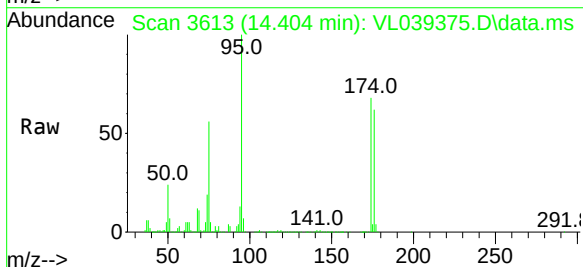
Manual Integrations
APPROVED

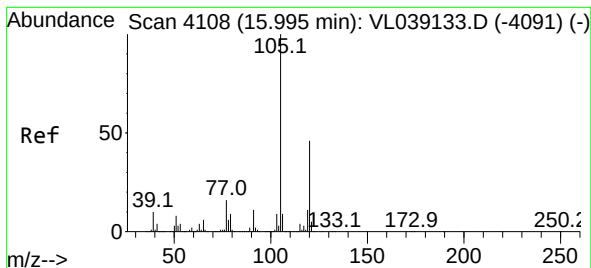
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.087 ppbv
RT: 14.404 min Scan# 3613
Delta R.T. -0.013 min
Lab File: VL039375.D
Acq: 28 Jun 2022 2:12

Tgt Ion: 95 Resp: 1995090
Ion Ratio Lower Upper
95 100
174 70.7 53.8 80.8
175 5.4 4.1 6.1





#73

1,3,5-Trimethylbenzene

Concen: 0.155 ppbv m

RT: 15.979 min Scan# 4108

Delta R.T. -0.016 min

Lab File: VL039375.D

Acq: 28 Jun 2022 2:12

Instrument :

MSVOA_L

ClientSampleId :

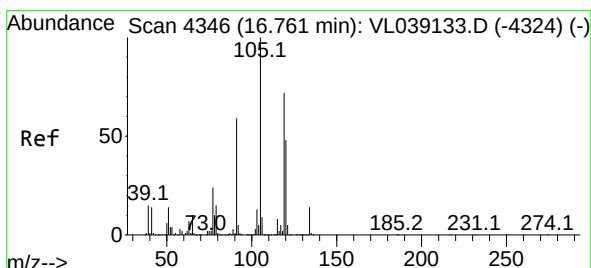
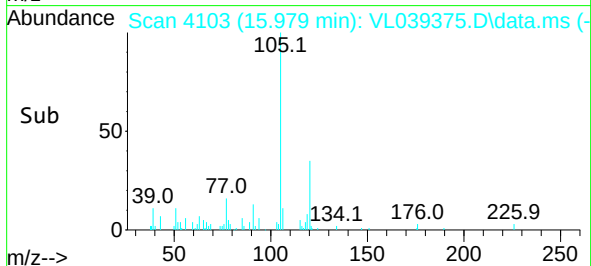
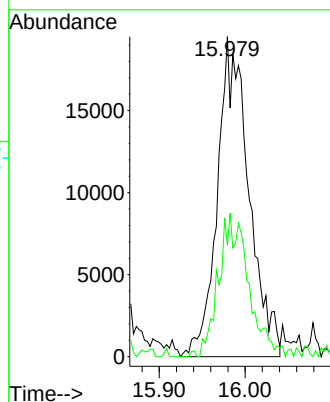
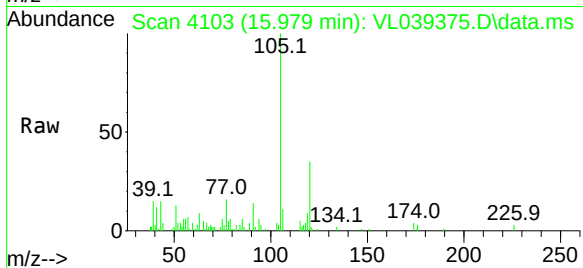
SG-2

Tgt Ion:105 Resp: 49614
 Ion Ratio Lower Upper
 105 100
 120 34.8 36.7 55.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/29/2022
 Supervised By :Mahesh Dadoda 06/30/2022



#74

1,2,4-Trimethylbenzene

Concen: 0.575 ppbv

RT: 16.751 min Scan# 4343

Delta R.T. -0.010 min

Lab File: VL039375.D

Acq: 28 Jun 2022 2:12

Tgt Ion:105 Resp: 205354
 Ion Ratio Lower Upper
 105 100
 120 34.7 38.1 57.1#
 91 13.9 47.4 71.0#
 77 11.6 19.5 29.3#

