

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060322\
 Data File : VL039161.D
 Acq On : 3 Jun 2022 20:32
 Operator : SY/AP
 Sample : N3106-05DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2022
 Supervised By :Mahesh Dadoda 06/06/2022

Quant Time: Jun 04 00:18:52 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 04 00:18:52 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	1177953	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.185	114	2942647	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.095	117	2528492	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.423	95	2053655	9.824	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.200%
Target Compounds						
					Qvalue	
4) Chloromethane	3.160	50	11064m	0.144	ppbv	
9) Propene	3.038	41	200218m	3.064	ppbv	
13) Ethanol	3.610	45	519402	145.732	ppbv #	100
15) Acetone	3.858	43	739644	6.028	ppbv	98
19) Isopropyl Alcohol	3.973	45	1142274	19.848	ppbv	99
20) Methylene Chloride	4.356	84	117500	2.272	ppbv	90
25) Ethyl Acetate	5.694	43	152913	0.553	ppbv #	93
30) Cyclohexane	7.147	84	21815m	0.214	ppbv	
34) 2-Butanone	5.259	43	100052	0.626	ppbv	95
36) Benzene	6.902	78	51101	0.214	ppbv	98
37) 1,2-Dichloroethane	6.321	62	187568	1.193	ppbv	99
41) Tetrahydrofuran	6.066	42	52643m	0.548	ppbv	
53) Toluene	9.816	91	160193	0.582	ppbv	95
59) m/p-Xylene	12.970	91	59116m	0.193	ppbv	
76) 1,4-Dichlorobenzene	17.153	146	119240m	0.621	ppbv	

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

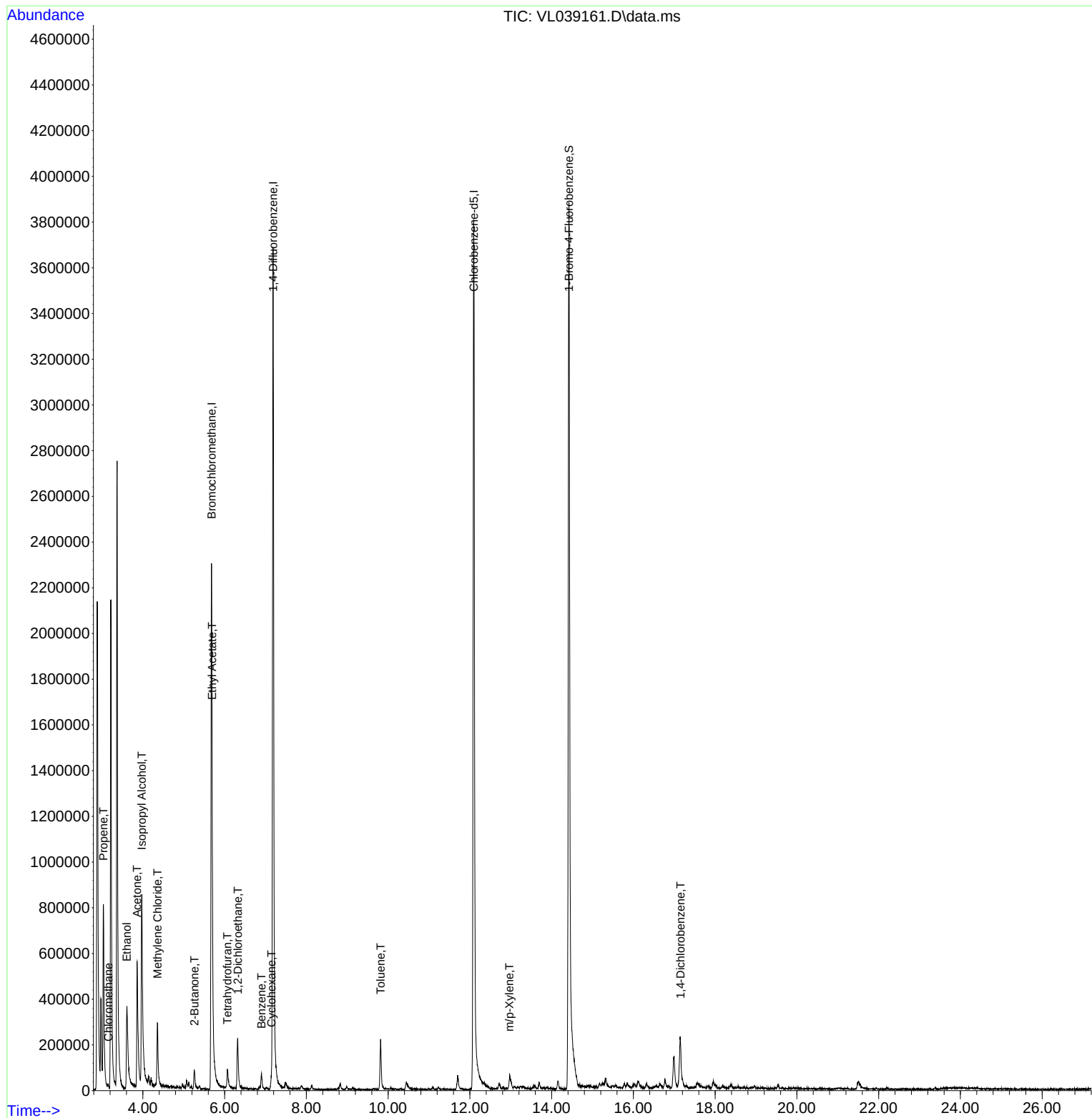
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060322\
Data File : VL039161.D
Acq On : 3 Jun 2022 20:32
Operator : SY/AP
Sample : N3106-05DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

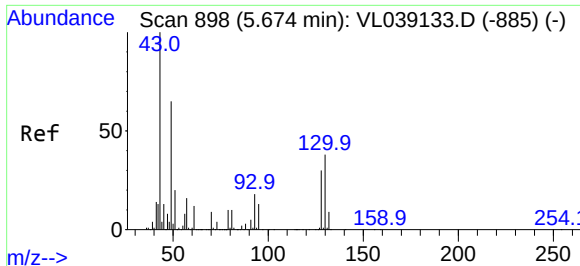
Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

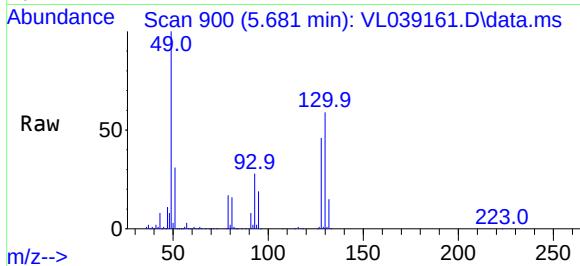
Quant Time: Jun 04 00:18:52 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.681 min Scan# 90
Delta R.T. 0.007 min
Lab File: VL039161.D
Acq: 3 Jun 2022 20:32

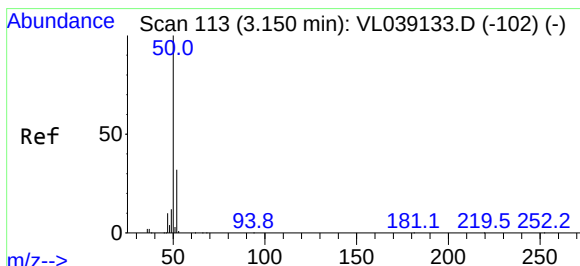
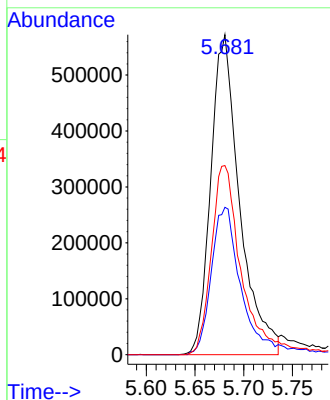
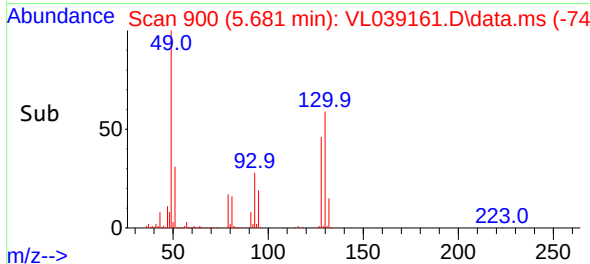
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion: 49 Resp: 117795
Ion Ratio Lower Upper
49 100
128 50.4 24.7 74.1
130 63.5 31.4 94.0

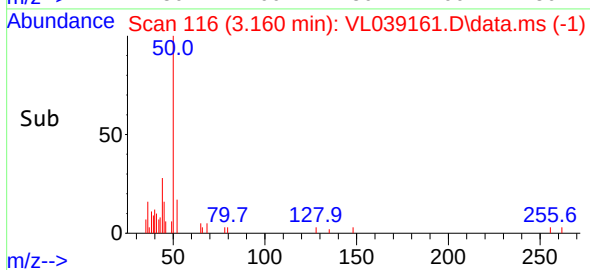
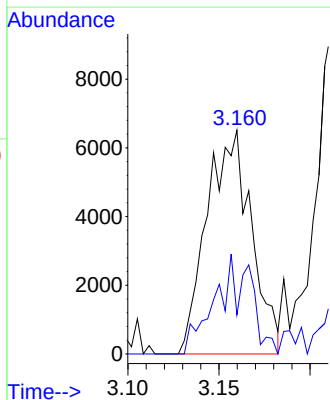
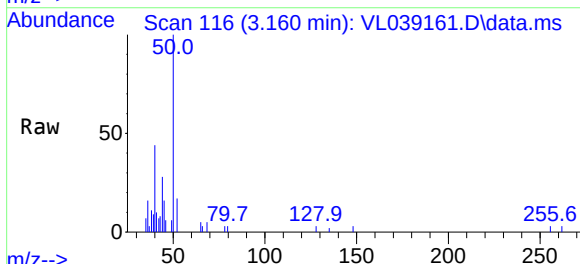
Manual Integrations
APPROVED

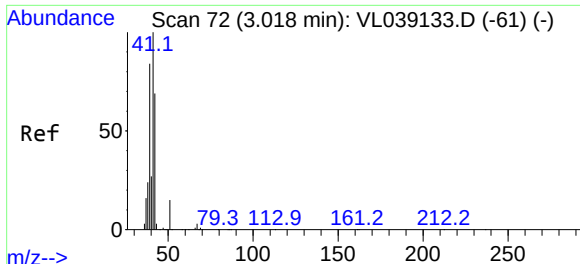
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022



#4
Chloromethane
Concen: 0.144 ppbv m
RT: 3.160 min Scan# 116
Delta R.T. 0.010 min
Lab File: VL039161.D
Acq: 3 Jun 2022 20:32

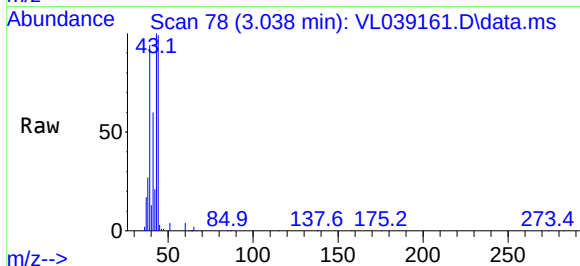
Tgt Ion: 50 Resp: 11064
Ion Ratio Lower Upper
50 100
52 17.5 25.9 38.9#





#9
 Propene
 Concen: 3.064 ppbv m
 RT: 3.038 min Scan# 72
 Delta R.T. 0.019 min
 Lab File: VL039161.D
 Acq: 3 Jun 2022 20:32

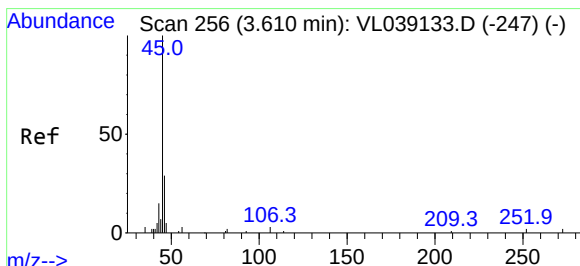
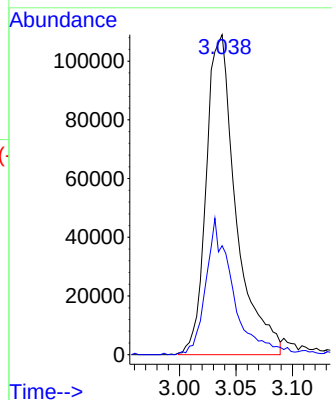
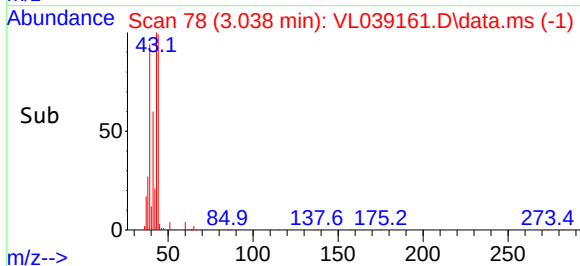
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL



Tgt Ion: 41 Resp: 200218
 Ion Ratio Lower Upper
 41 100
 42 260.4 55.4 83.2

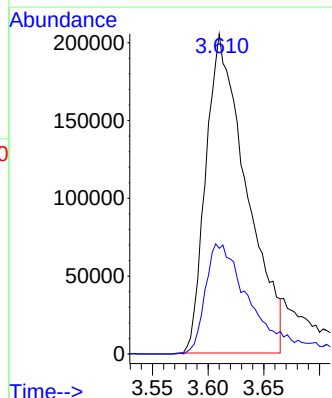
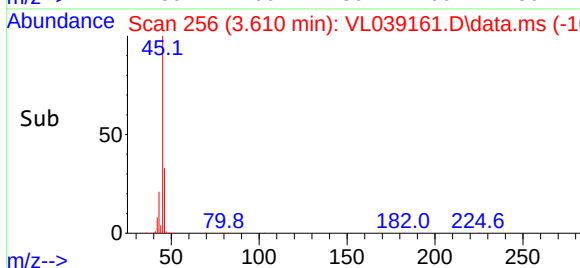
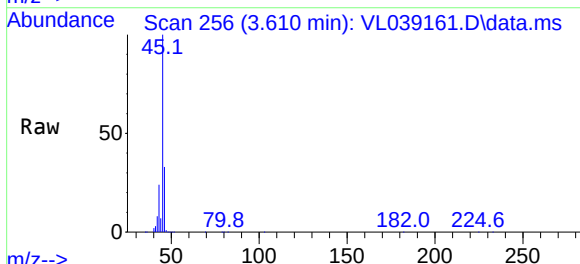
Manual Integrations
 APPROVED

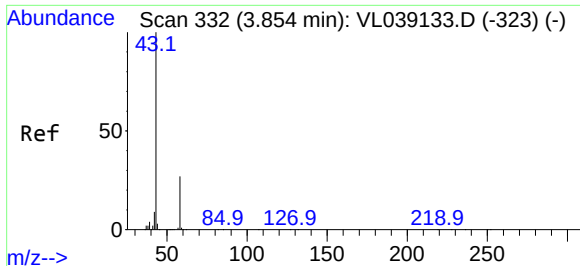
Reviewed By :Semsettin Yesilyurt 06/05/2022
 Supervised By :Mahesh Dadoda 06/06/2022



#13
 Ethanol
 Concen: 145.732 ppbv
 RT: 3.610 min Scan# 256
 Delta R.T. 0.000 min
 Lab File: VL039161.D
 Acq: 3 Jun 2022 20:32

Tgt Ion: 45 Resp: 519402
 Ion Ratio Lower Upper
 45 100
 46 42.2 0.0 0.0





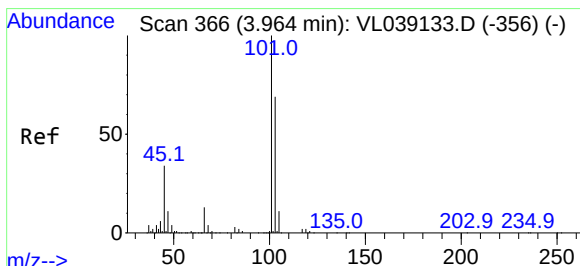
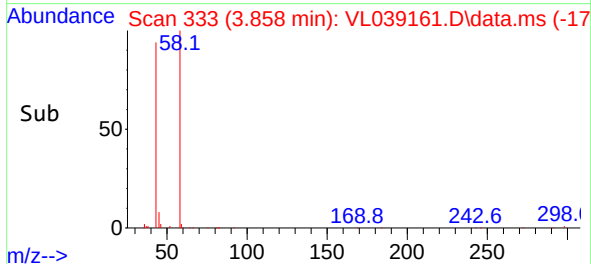
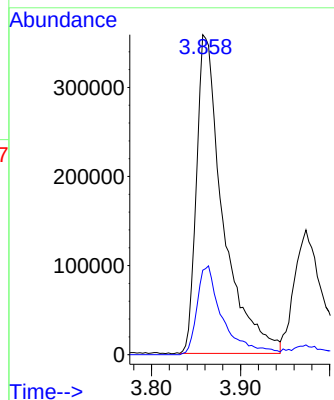
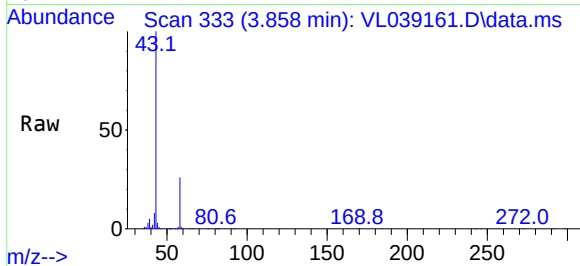
#15
Acetone
Concen: 6.028 ppbv
RT: 3.858 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL039161.D
Acq: 3 Jun 2022 20:32

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 43 Resp: 739644
Ion Ratio Lower Upper
43 100
58 26.8 22.5 33.7

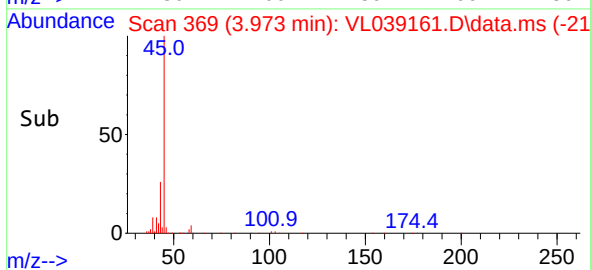
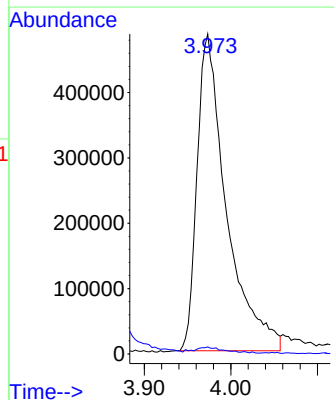
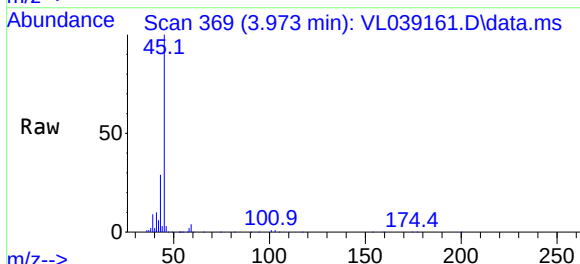
Manual Integrations
APPROVED

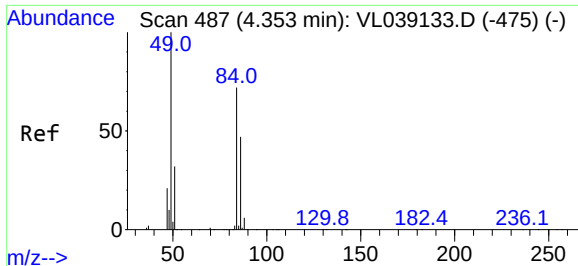
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022



#19
Isopropyl Alcohol
Concen: 19.848 ppbv
RT: 3.973 min Scan# 369
Delta R.T. 0.010 min
Lab File: VL039161.D
Acq: 3 Jun 2022 20:32

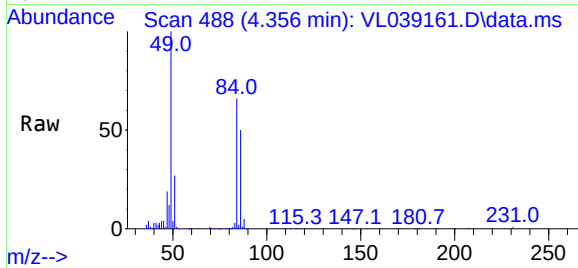
Tgt Ion: 45 Resp: 1142274
Ion Ratio Lower Upper
45 100
58 2.5 1.8 2.8





#20
Methylene Chloride
Concen: 2.272 ppbv
RT: 4.356 min Scan# 487
Delta R.T. 0.003 min
Lab File: VL039161.D
Acq: 3 Jun 2022 20:32

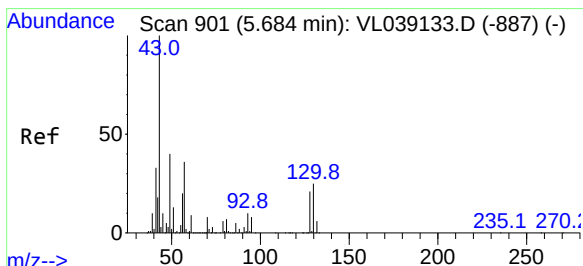
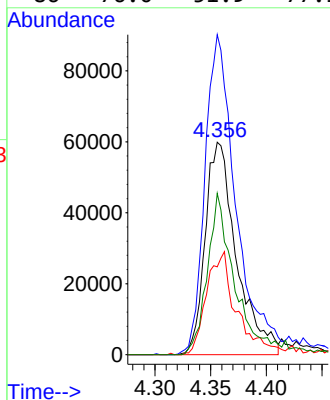
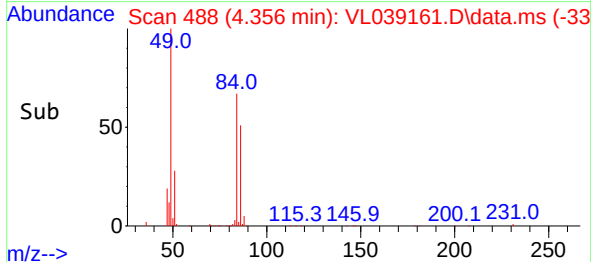
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



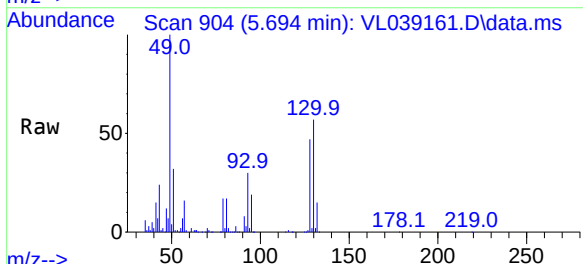
Tgt Ion: 84 Resp: 117500
Ion Ratio Lower Upper
84 100
49 150.3 111.1 166.7
51 41.4 35.3 52.9
86 76.0 51.9 77.9

Manual Integrations
APPROVED

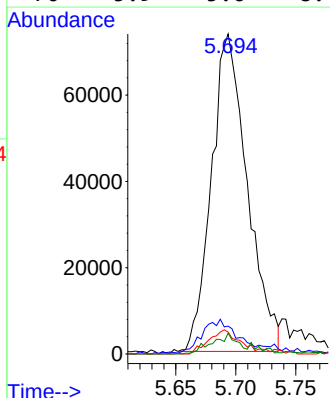
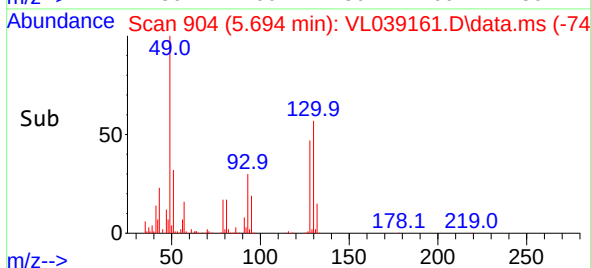
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

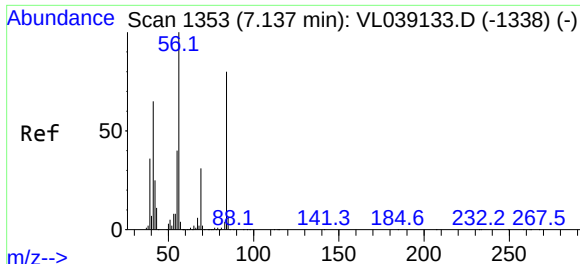


#25
Ethyl Acetate
Concen: 0.553 ppbv
RT: 5.694 min Scan# 904
Delta R.T. 0.010 min
Lab File: VL039161.D
Acq: 3 Jun 2022 20:32



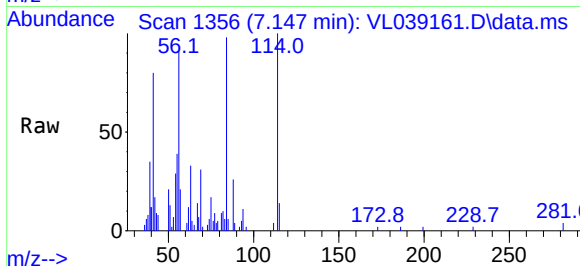
Tgt Ion: 43 Resp: 152913
Ion Ratio Lower Upper
43 100
45 12.9 8.2 12.2#
61 7.4 8.4 12.6#
70 5.9 5.6 8.4





#30
Cyclohexane
Concen: 0.214 ppbv m
RT: 7.147 min Scan# 1356
Delta R.T. 0.010 min
Lab File: VL039161.D
Acq: 3 Jun 2022 20:32

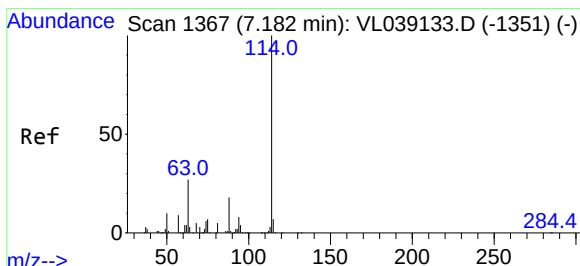
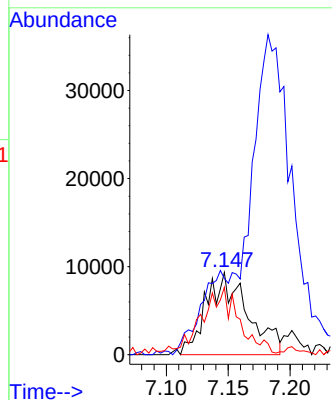
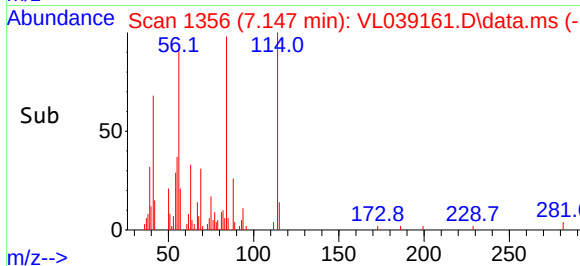
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



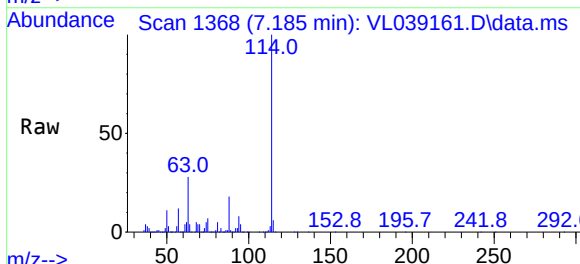
Tgt Ion: 84 Resp: 21815
Ion Ratio Lower Upper
84 100
56 0.0 110.6 165.8
41 72.6 68.9 103.3

Manual Integrations
APPROVED

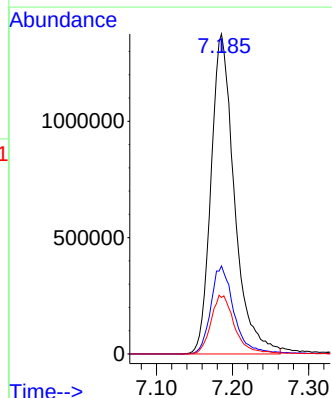
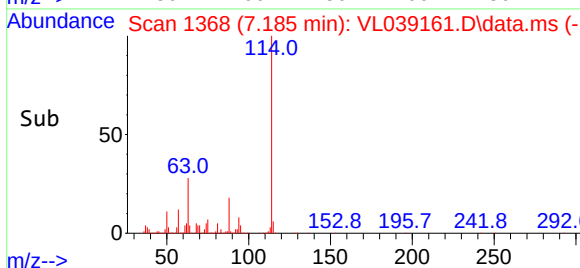
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

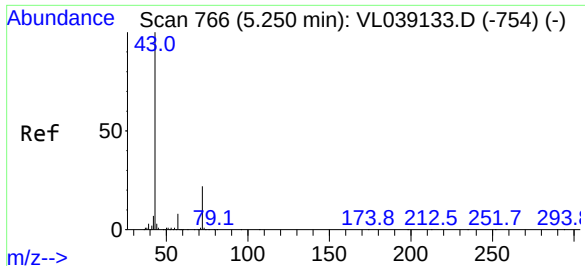


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.185 min Scan# 1368
Delta R.T. 0.003 min
Lab File: VL039161.D
Acq: 3 Jun 2022 20:32



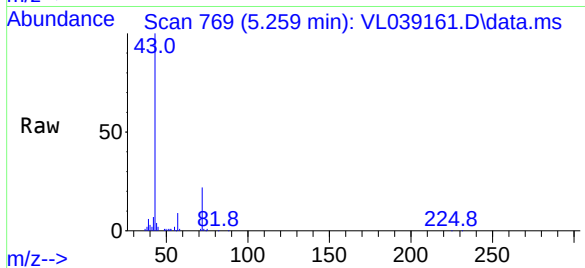
Tgt Ion:114 Resp: 2942647
Ion Ratio Lower Upper
114 100
63 27.6 21.7 32.5
88 18.8 14.8 22.2





#34
2-Butanone
Concen: 0.626 ppbv
RT: 5.259 min Scan# 70
Delta R.T. 0.010 min
Lab File: VL039161.D
Acq: 3 Jun 2022 20:32

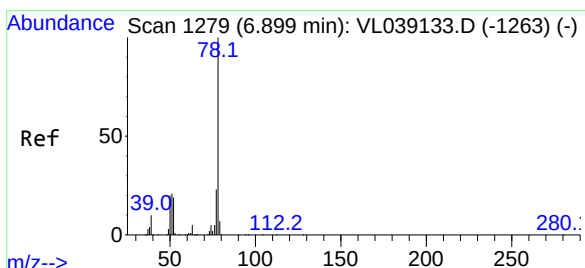
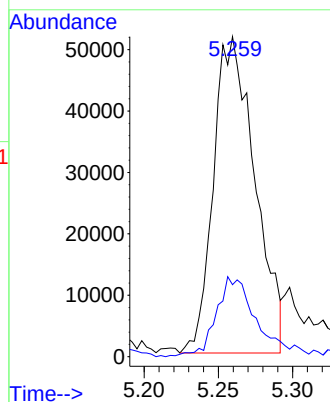
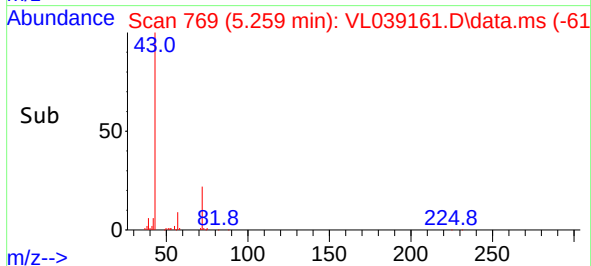
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



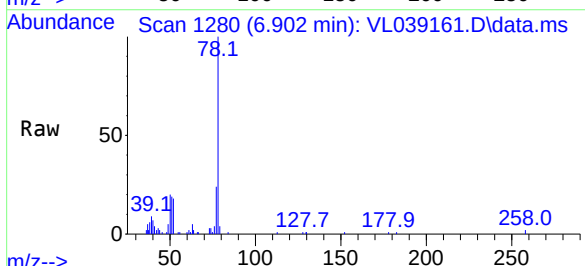
Tgt Ion: 43 Resp: 10005
Ion Ratio Lower Upper
43 100
72 25.0 18.2 27.2

Manual Integrations
APPROVED

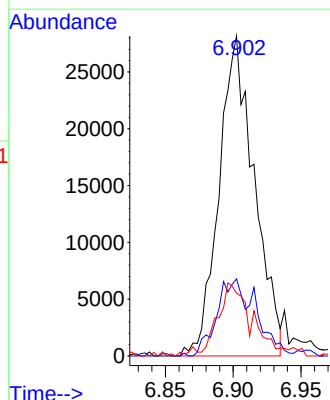
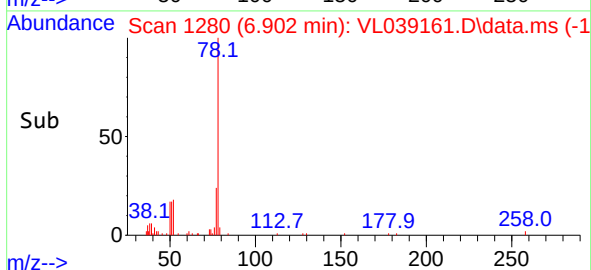
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

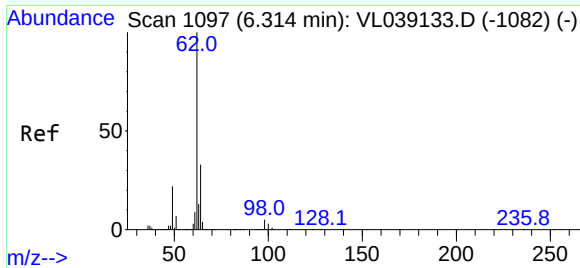


#36
Benzene
Concen: 0.214 ppbv
RT: 6.902 min Scan# 1280
Delta R.T. 0.003 min
Lab File: VL039161.D
Acq: 3 Jun 2022 20:32



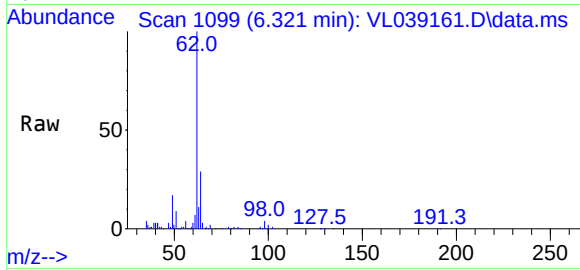
Tgt Ion: 78 Resp: 51101
Ion Ratio Lower Upper
78 100
77 24.1 18.6 27.8
50 18.5 15.8 23.8





#37
1,2-Dichloroethane
Concen: 1.193 ppbv
RT: 6.321 min Scan# 1099
Delta R.T. 0.007 min
Lab File: VL039161.D
Acq: 3 Jun 2022 20:32

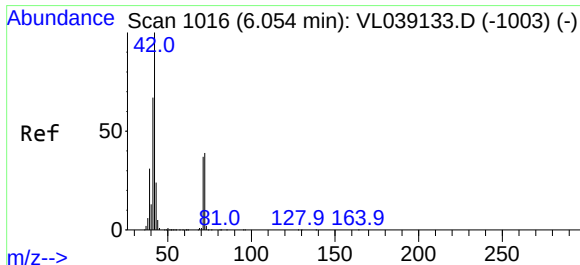
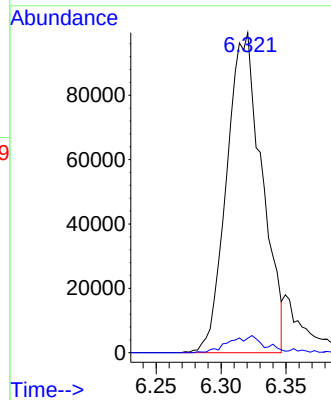
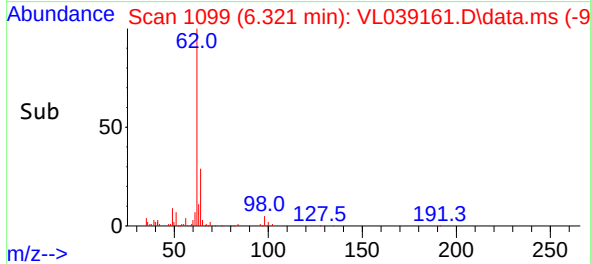
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



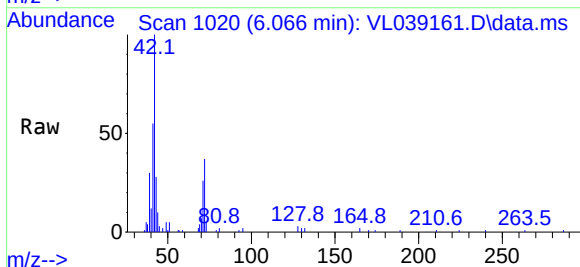
Tgt Ion: 62 Resp: 187568
Ion Ratio Lower Upper
62 100
98 5.8 4.3 6.5

Manual Integrations
APPROVED

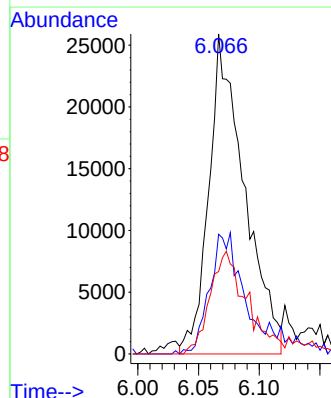
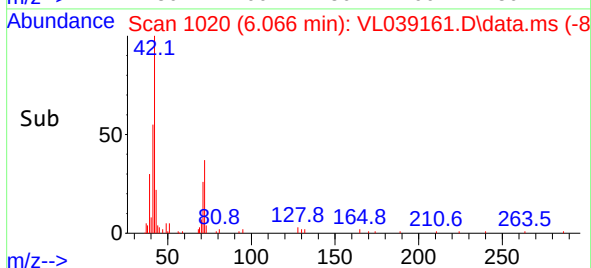
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

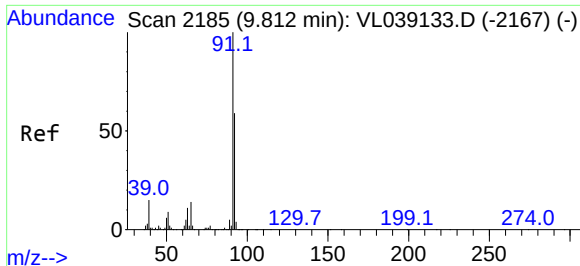


#41
Tetrahydrofuran
Concen: 0.548 ppbv m
RT: 6.066 min Scan# 1020
Delta R.T. 0.013 min
Lab File: VL039161.D
Acq: 3 Jun 2022 20:32



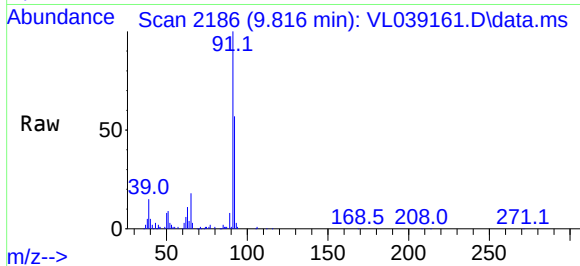
Tgt Ion: 42 Resp: 52643
Ion Ratio Lower Upper
42 100
72 43.4 32.0 48.0
71 36.8 31.1 46.7





#53
Toluene
Concen: 0.582 ppbv
RT: 9.816 min Scan# 2185
Delta R.T. 0.003 min
Lab File: VL039161.D
Acq: 3 Jun 2022 20:32

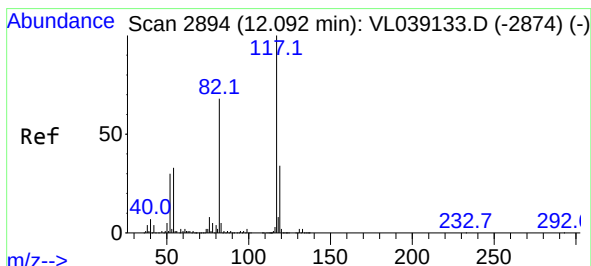
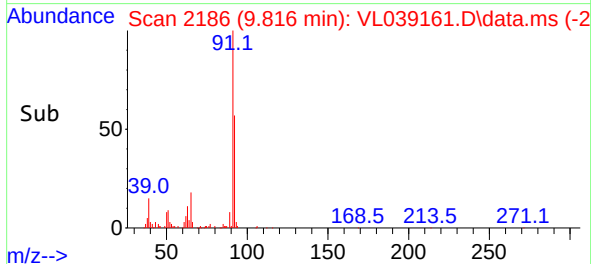
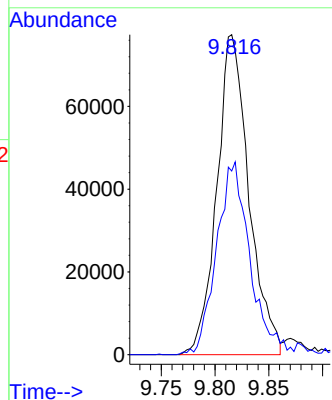
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion: 91 Resp: 16019
Ion Ratio Lower Upper
91 100
92 63.8 48.1 72.1

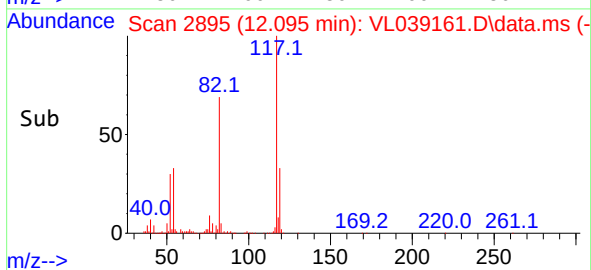
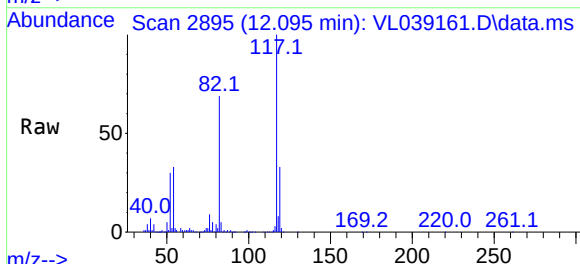
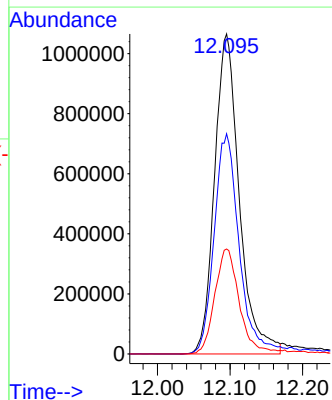
Manual Integrations
APPROVED

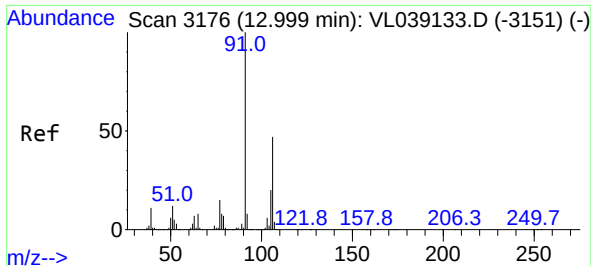
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.095 min Scan# 2895
Delta R.T. 0.003 min
Lab File: VL039161.D
Acq: 3 Jun 2022 20:32

Tgt Ion:117 Resp: 2528492
Ion Ratio Lower Upper
117 100
82 72.0 55.1 82.7
119 33.7 24.7 37.1





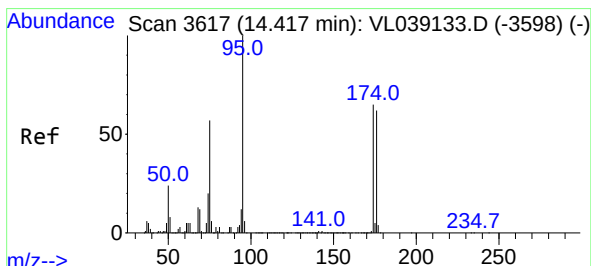
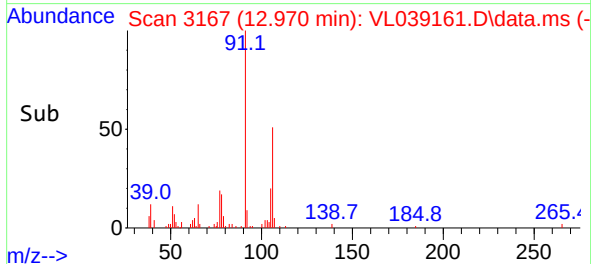
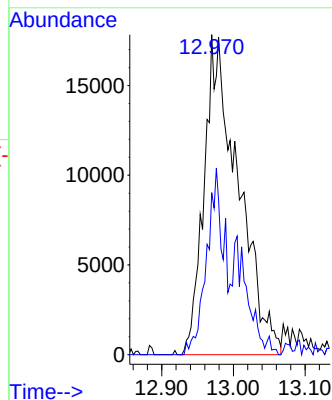
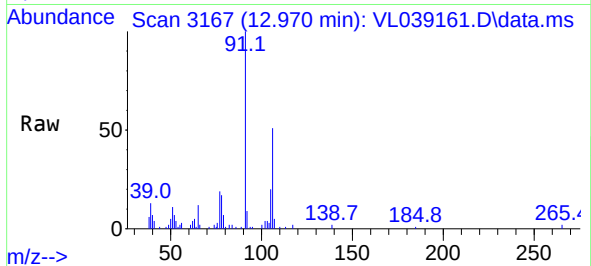
#59
m/p-Xylene
Concen: 0.193 ppbv m
RT: 12.970 min Scan# 3176
Delta R.T. -0.029 min
Lab File: VL039161.D
Acq: 3 Jun 2022 20:32

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 91 Resp: 59110
Ion Ratio Lower Upper
91 100
106 16.3 34.3 51.5

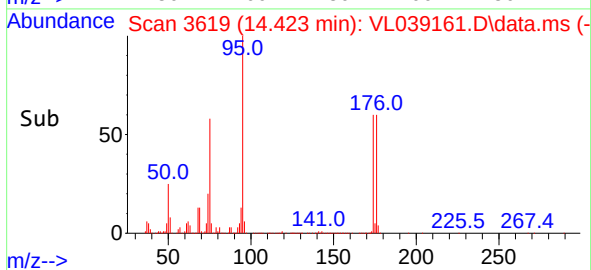
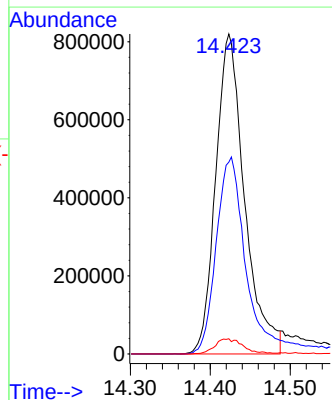
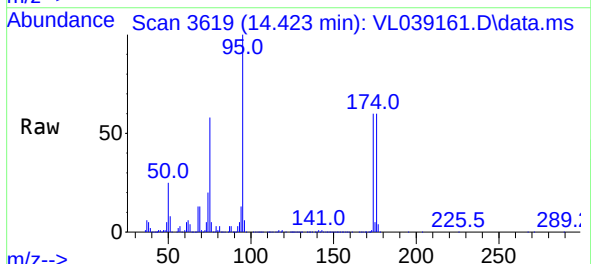
Manual Integrations
APPROVED

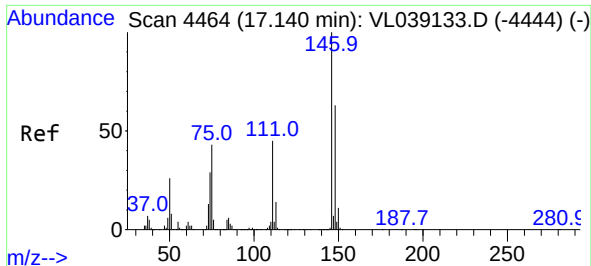
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.824 ppbv
RT: 14.423 min Scan# 3619
Delta R.T. 0.007 min
Lab File: VL039161.D
Acq: 3 Jun 2022 20:32

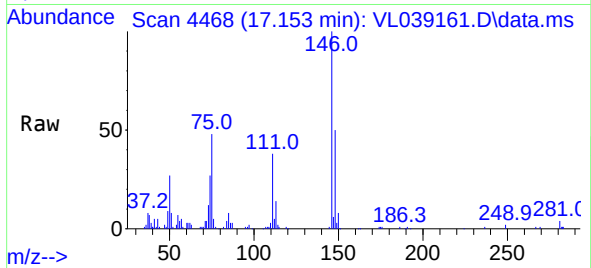
Tgt Ion: 95 Resp: 2053655
Ion Ratio Lower Upper
95 100
174 68.0 53.8 80.8
175 4.9 4.1 6.1





#76
1,4-Dichlorobenzene
Concen: 0.621 ppbv m
RT: 17.153 min Scan# 44
Delta R.T. 0.013 min
Lab File: VL039161.D
Acq: 3 Jun 2022 20:32

Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion:146 Resp: 119240
Ion Ratio Lower Upper
146 100
111 48.8 23.6 71.0
148 0.0 33.7 101.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

