

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
 Data File : VL040036.D
 Acq On : 19 Dec 2022 20:12
 Operator : SY/MD
 Sample : N5971-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-6

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2022
 Supervised By :Mahesh Dadoda 12/20/2022

Quant Time: Dec 20 05:15:20 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 12 2022

QLast Update : Tue Dec 20 04:50:21 2022

Response via : Initial Calibration

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

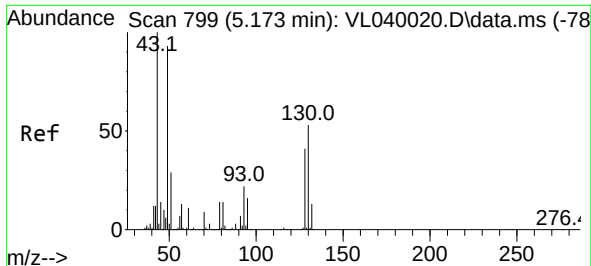
Internal Standards						
1) Bromochloromethane	5.169	49	1016928	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	2683958	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2373299	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	1882274	10.383	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.710	85	43651	0.229	ppbv	89
3) Chlorodifluoromethane	2.655	51	44839m	0.299	ppbv	
4) Chloromethane	2.793	50	66087	0.703	ppbv	96
5) Vinyl Chloride	2.896	62	3498m	0.046	ppbv	
6) Bromomethane	3.099	94	13711	0.491	ppbv	84
7) Chloroethane	3.179	64	3821	0.133	ppbv	90
9) Propene	2.684	41	1200053m	18.847	ppbv	
10) Heptane	7.562	43	208941	1.344	ppbv	98
11) Trichlorofluoromethane	3.542	101	37325	0.180	ppbv	92
13) Ethanol	3.218	45	2696475	449.946	ppbv	96
15) Acetone	3.443	43	5523351m	35.111	ppbv	
17) tert-Butyl alcohol	3.870	59	112737	0.727	ppbv #	72
19) Isopropyl Alcohol	3.562	45	215911m	2.785	ppbv	
20) Methylene Chloride	3.912	84	1027868	15.372	ppbv	97
26) Hexane	5.192	57	872067	7.616	ppbv #	37
27) Carbon Disulfide	4.105	76	66753	0.462	ppbv #	97
29) Chloroform	5.256	83	21930	0.126	ppbv	84
30) Cyclohexane	6.578	84	334353	3.297	ppbv	94
34) 2-Butanone	4.767	43	90135	0.619	ppbv	94
35) Carbon Tetrachloride	6.475	117	8703m	0.052	ppbv	
36) Benzene	6.349	78	349245	1.457	ppbv	97
52) Tetrachloroethene	10.594	164	4079m	0.050	ppbv	
53) Toluene	9.198	91	613650	2.312	ppbv	100
58) Ethyl Benzene	12.066	91	105447	0.313	ppbv	95
59) m/p-Xylene	12.327	91	312929	1.065	ppbv	97
60) o-Xylene	13.040	91	170505	0.606	ppbv	97
61) Styrene	12.880	104	75952	0.503	ppbv	98
62) Isopropylbenzene	14.008	105	41431	0.102	ppbv	95
73) 1,3,5-Trimethylbenzene	15.333	105	41666m	0.148	ppbv	
74) 1,2,4-Trimethylbenzene	16.095	105	85091m	0.274	ppbv	

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

Manual Integrations

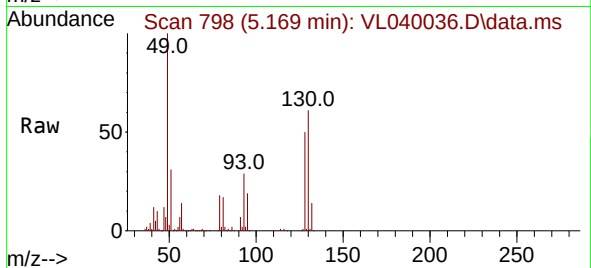
Quant Time: Dec 20 05:15:20 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Dec 20 04:50:21 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.169 min Scan# 799
Delta R.T. -0.004 min
Lab File: VL040036.D
Acq: 19 Dec 2022 20:12

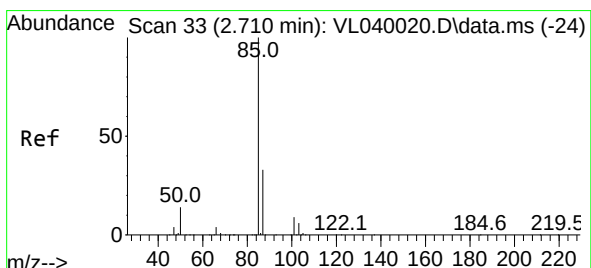
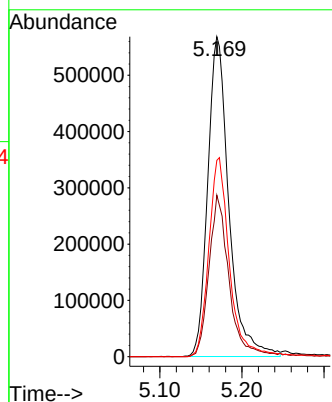
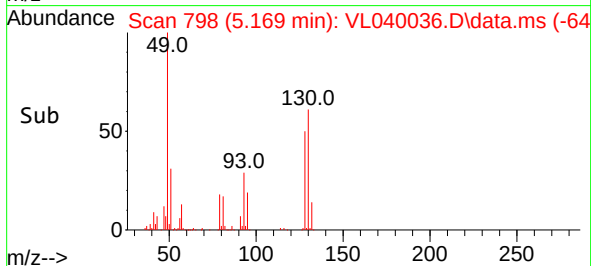
Instrument :
MSVOA_L
ClientSampleId :
SS-6



Tgt Ion: 49 Resp: 1016928
Ion Ratio Lower Upper
49 100
128 48.9 22.4 67.3
130 61.8 28.9 86.8

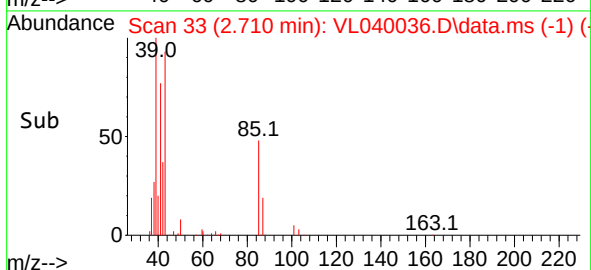
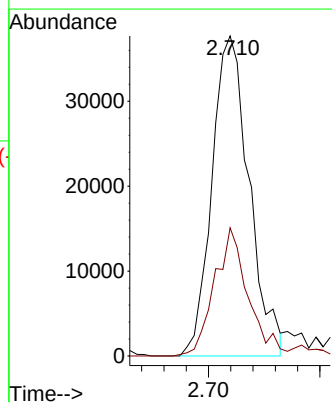
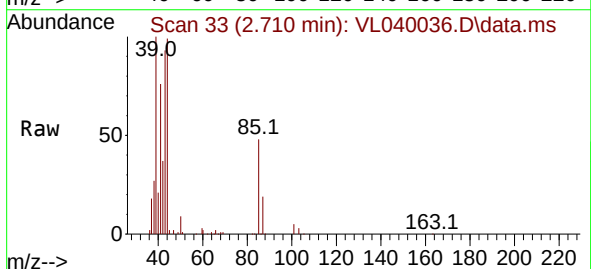
Manual Integrations
APPROVED

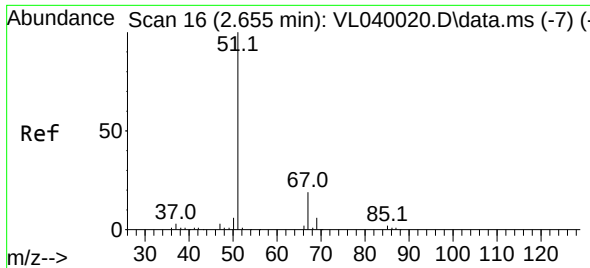
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#2
Dichlorodifluoromethane
Concen: 0.229 ppbv
RT: 2.710 min Scan# 33
Delta R.T. 0.000 min
Lab File: VL040036.D
Acq: 19 Dec 2022 20:12

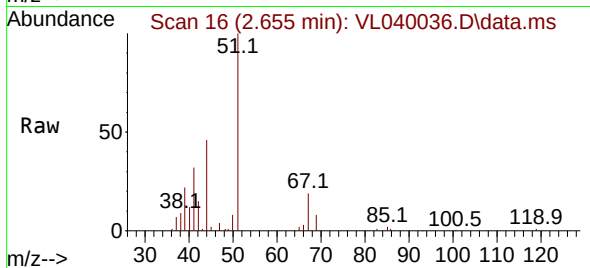
Tgt Ion: 85 Resp: 43651
Ion Ratio Lower Upper
85 100
87 39.6 26.6 40.0





#3
Chlorodifluoromethane
Concen: 0.299 ppbv m
RT: 2.655 min Scan# 16
Delta R.T. 0.000 min
Lab File: VL040036.D
Acq: 19 Dec 2022 20:12

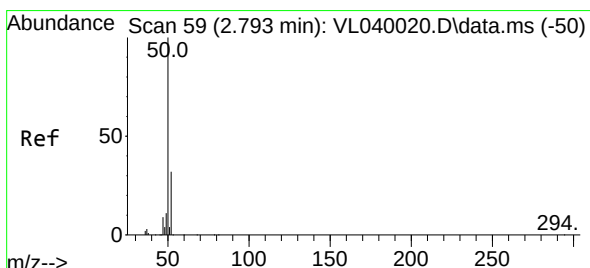
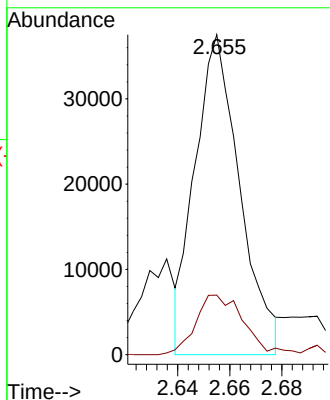
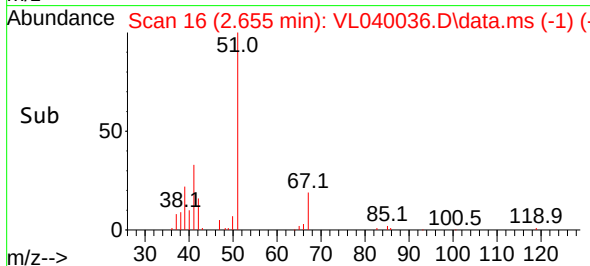
Instrument :
MSVOA_L
ClientSampleId :
SS-6



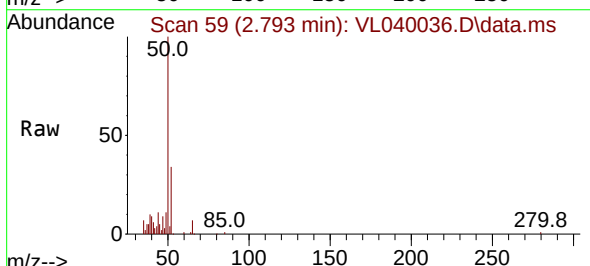
Tgt Ion: 51 Resp: 44839
Ion Ratio Lower Upper
51 100
67 20.1 15.3 22.9

Manual Integrations
APPROVED

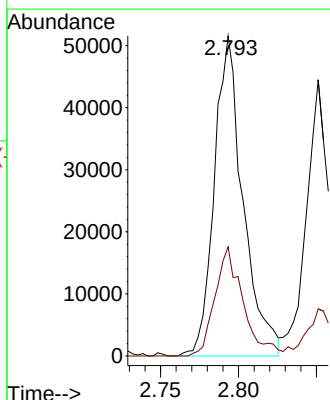
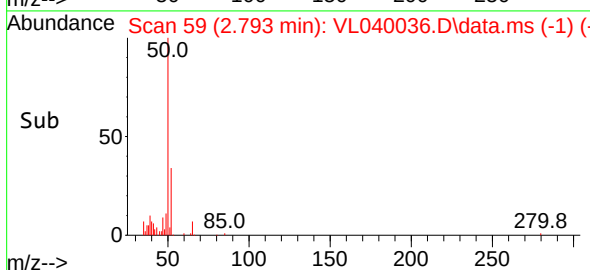
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

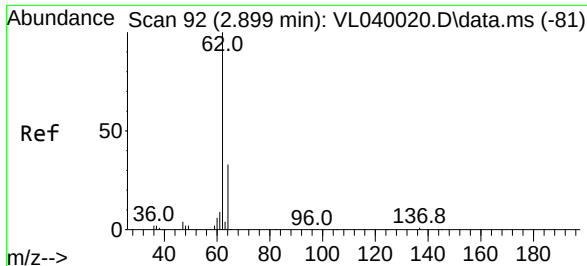


#4
Chloromethane
Concen: 0.703 ppbv
RT: 2.793 min Scan# 59
Delta R.T. 0.000 min
Lab File: VL040036.D
Acq: 19 Dec 2022 20:12



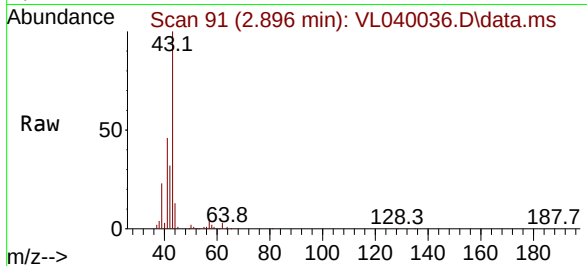
Tgt Ion: 50 Resp: 66087
Ion Ratio Lower Upper
50 100
52 34.1 25.5 38.3





#5
 Vinyl Chloride
 Concen: 0.046 ppbv m
 RT: 2.896 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VL040036.D
 Acq: 19 Dec 2022 20:12

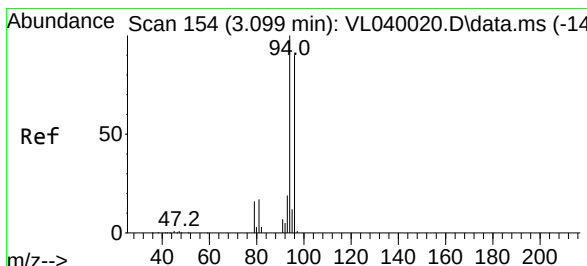
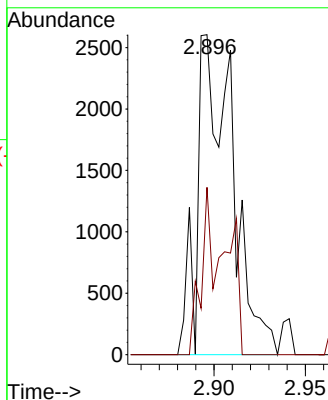
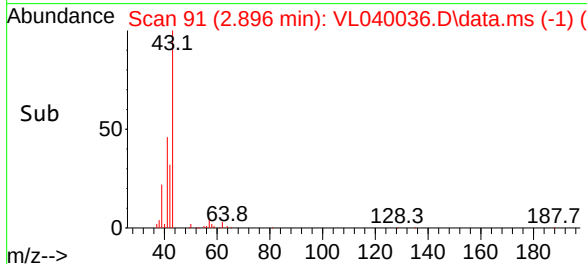
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-6



Tgt Ion: 62 Resp: 3498
 Ion Ratio Lower Upper
 62 100
 64 0.0 26.1 39.1

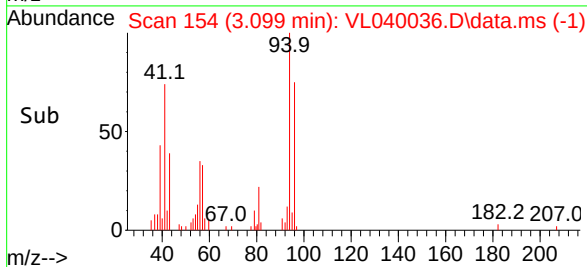
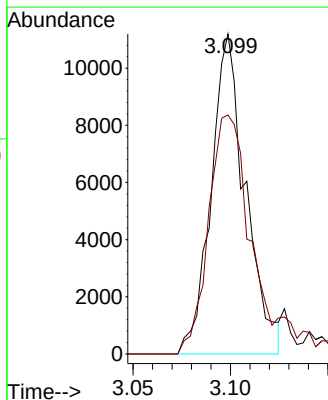
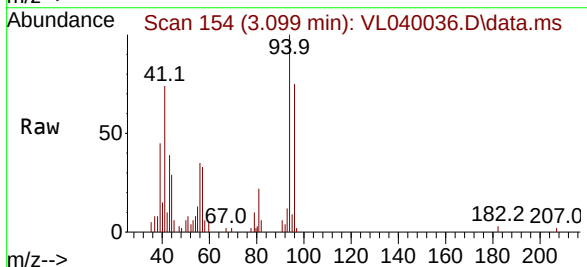
Manual Integrations
 APPROVED

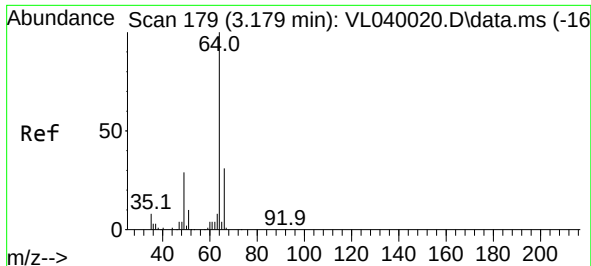
Reviewed By :Semsettin Yesilyurt 12/20/2022
 Supervised By :Mahesh Dadoda 12/20/2022



#6
 Bromomethane
 Concen: 0.491 ppbv
 RT: 3.099 min Scan# 154
 Delta R.T. 0.000 min
 Lab File: VL040036.D
 Acq: 19 Dec 2022 20:12

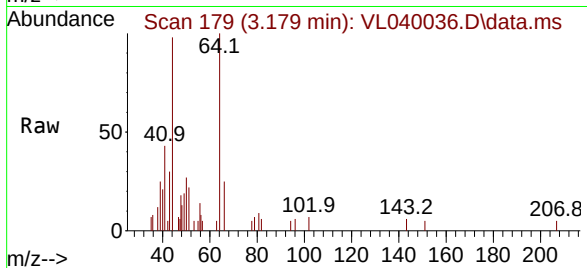
Tgt Ion: 94 Resp: 13711
 Ion Ratio Lower Upper
 94 100
 96 74.7 72.0 108.0





#7
Chloroethane
Concen: 0.133 ppbv
RT: 3.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040036.D
Acq: 19 Dec 2022 20:12

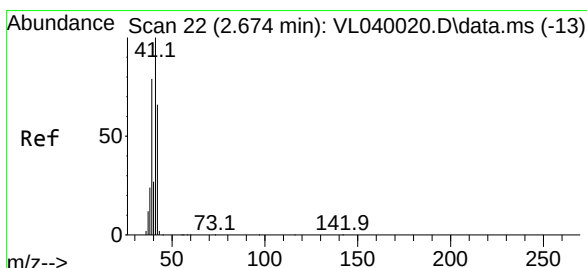
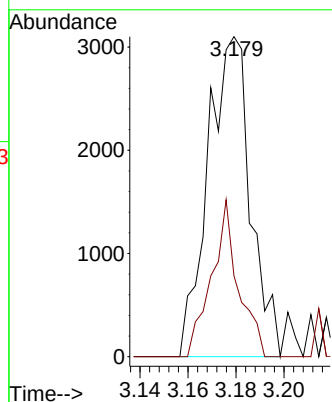
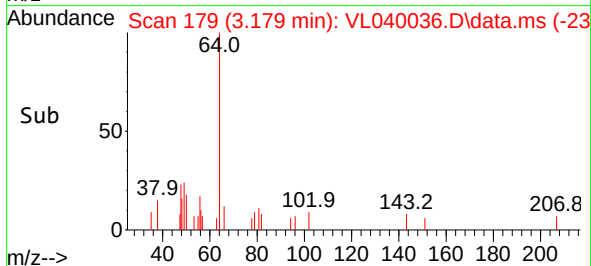
Instrument :
MSVOA_L
ClientSampleId :
SS-6



Tgt Ion: 64 Resp: 382
Ion Ratio Lower Upper
64 100
66 25.3 24.6 37.0

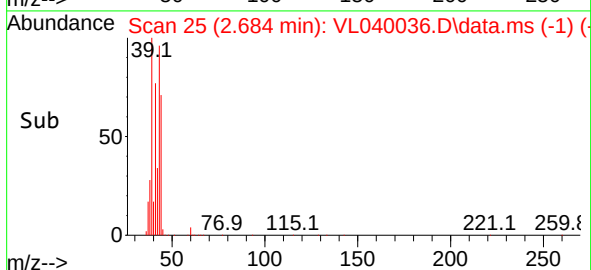
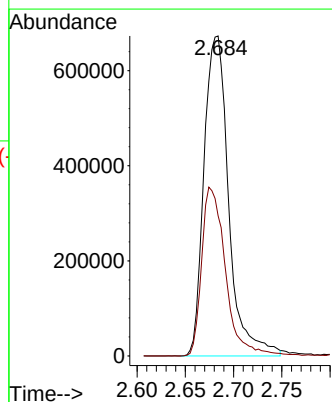
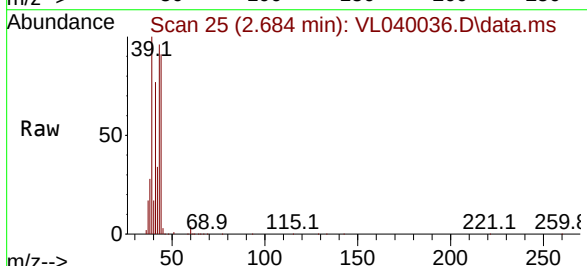
Manual Integrations
APPROVED

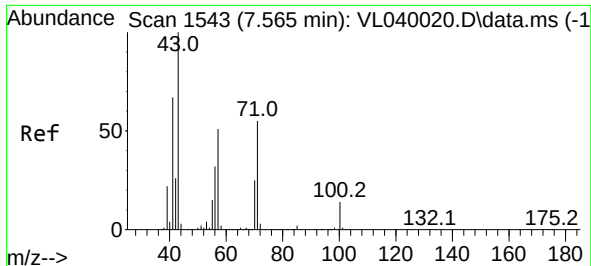
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#9
Propene
Concen: 18.847 ppbv m
RT: 2.684 min Scan# 25
Delta R.T. 0.010 min
Lab File: VL040036.D
Acq: 19 Dec 2022 20:12

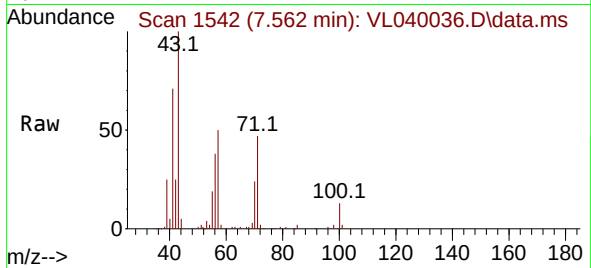
Tgt Ion: 41 Resp: 1200053
Ion Ratio Lower Upper
41 100
42 107.3 54.8 82.2#





#10
Heptane
Concen: 1.344 ppbv
RT: 7.562 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040036.D
Acq: 19 Dec 2022 20:12

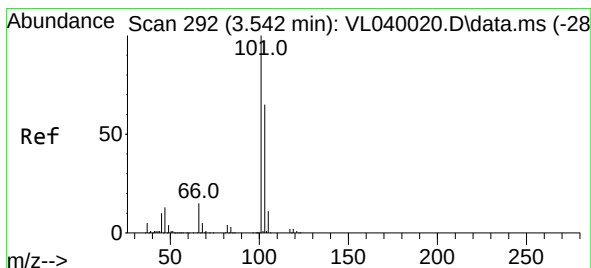
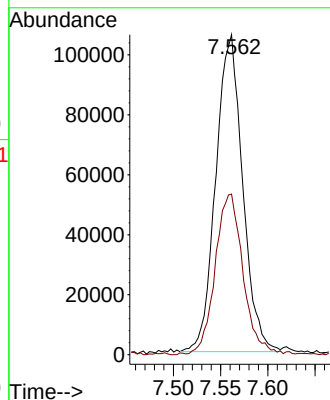
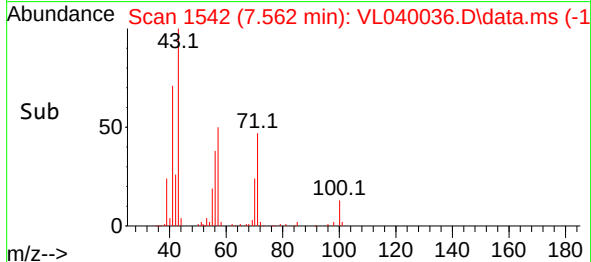
Instrument :
MSVOA_L
ClientSampleId :
SS-6



Tgt Ion: 43 Resp: 20894
Ion Ratio Lower Upper
43 100
57 53.2 41.2 61.8

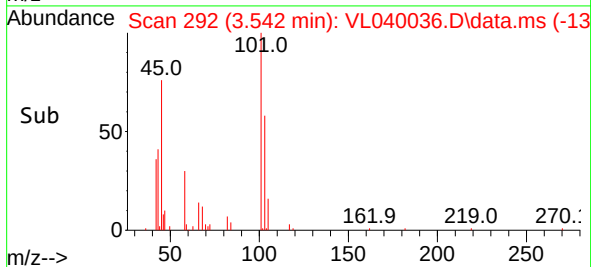
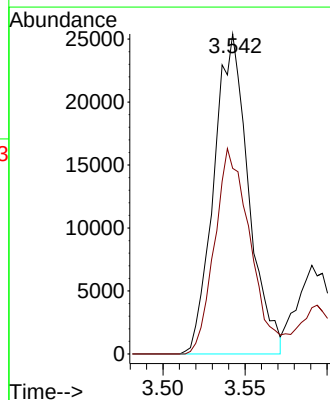
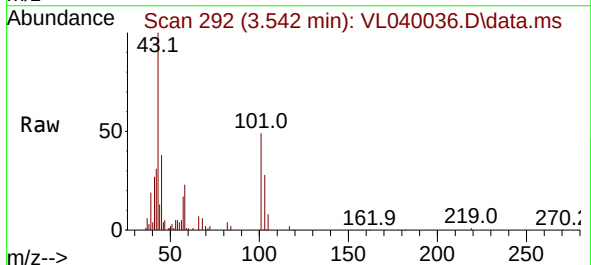
Manual Integrations
APPROVED

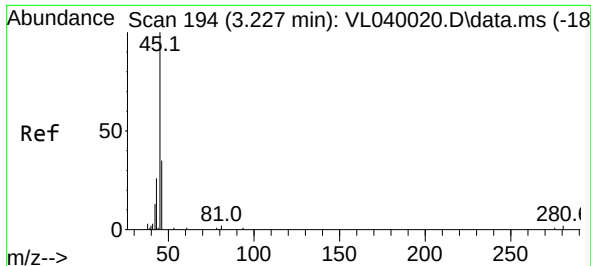
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#11
Trichlorofluoromethane
Concen: 0.180 ppbv
RT: 3.542 min Scan# 292
Delta R.T. 0.000 min
Lab File: VL040036.D
Acq: 19 Dec 2022 20:12

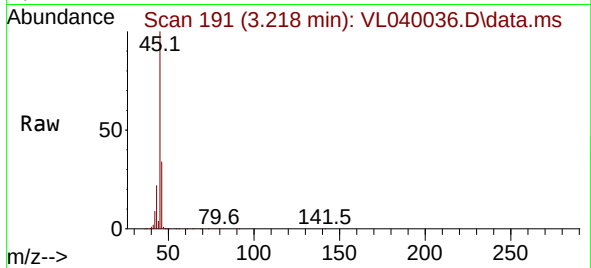
Tgt Ion:101 Resp: 37325
Ion Ratio Lower Upper
101 100
103 58.0 51.7 77.5





#13
Ethanol
Concen: 449.946 ppbv
RT: 3.218 min Scan# 194
Delta R.T. -0.010 min
Lab File: VL040036.D
Acq: 19 Dec 2022 20:12

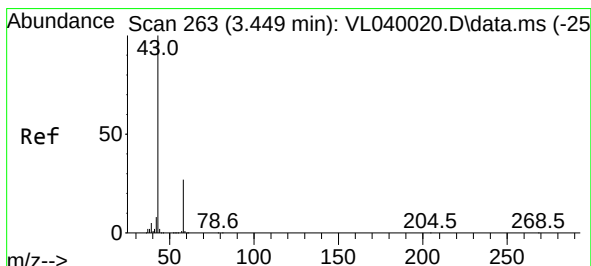
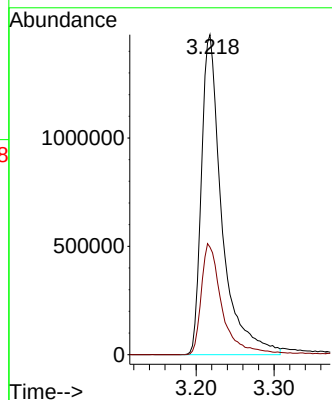
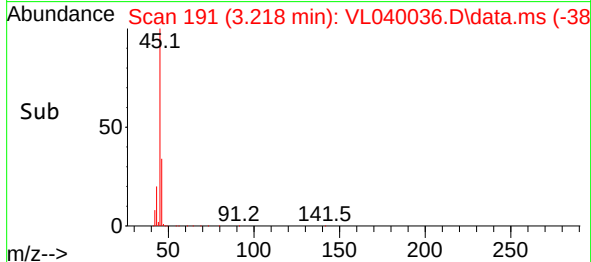
Instrument :
MSVOA_L
ClientSampleId :
SS-6



Tgt Ion: 45 Resp: 2696479
Ion Ratio Lower Upper
45 100
46 36.3 13.7 54.7

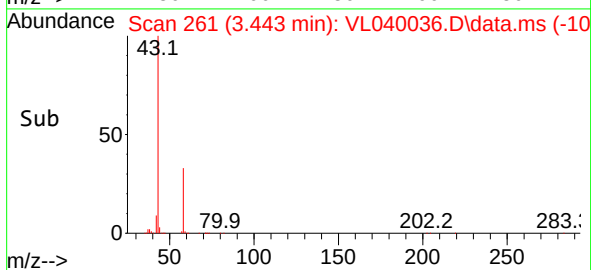
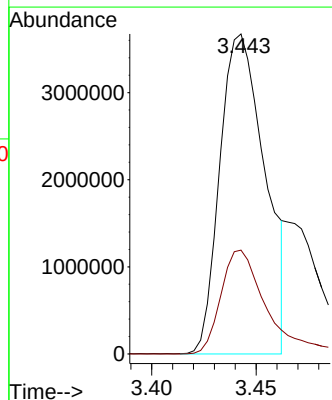
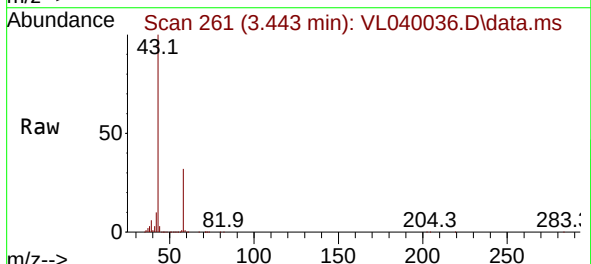
Manual Integrations
APPROVED

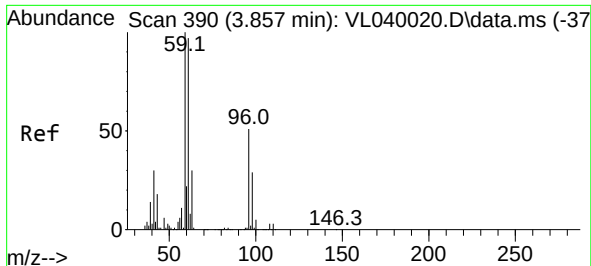
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#15
Acetone
Concen: 35.111 ppbv m
RT: 3.443 min Scan# 261
Delta R.T. -0.006 min
Lab File: VL040036.D
Acq: 19 Dec 2022 20:12

Tgt Ion: 43 Resp: 5523351
Ion Ratio Lower Upper
43 100
58 34.7 21.8 32.8#





#17

tert-Butyl alcohol

Concen: 0.727 ppbv

RT: 3.870 min Scan# 390

Delta R.T. 0.013 min

Lab File: VL040036.D

Acq: 19 Dec 2022 20:12

Instrument :

MSVOA_L

ClientSampleId :

SS-6

Tgt Ion: 59 Resp: 11273

Ion Ratio Lower Upper

59 100

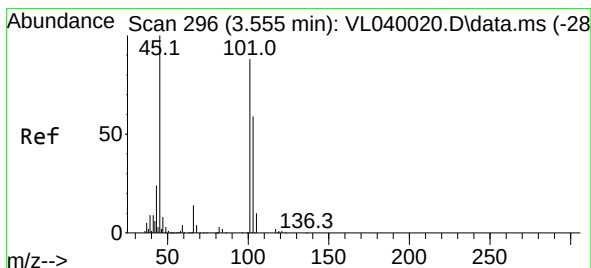
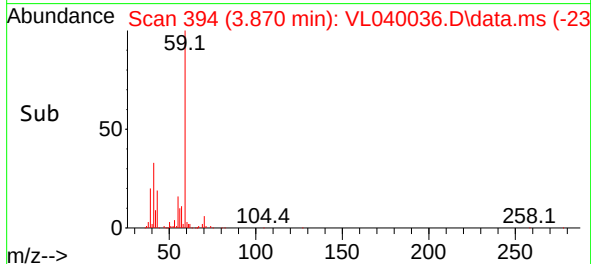
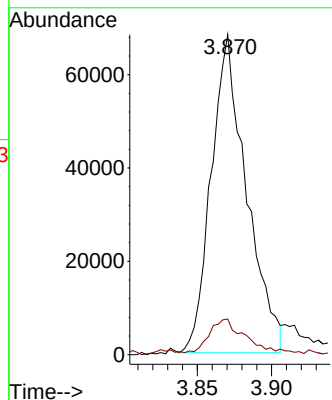
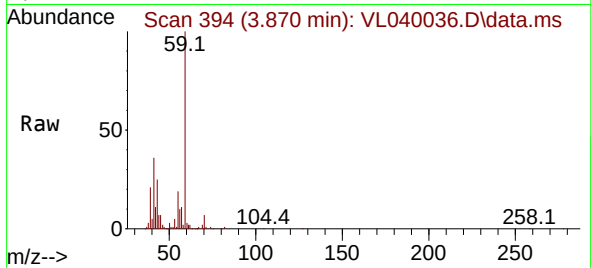
57 0.0 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2022

Supervised By :Mahesh Dadoda 12/20/2022



#19

Isopropyl Alcohol

Concen: 2.785 ppbv m

RT: 3.562 min Scan# 298

Delta R.T. 0.006 min

Lab File: VL040036.D

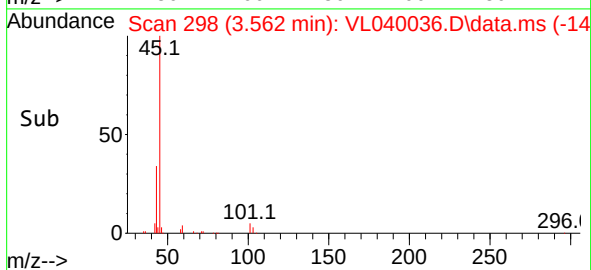
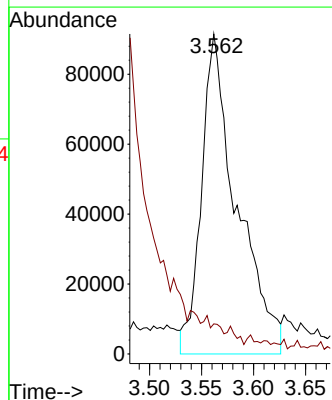
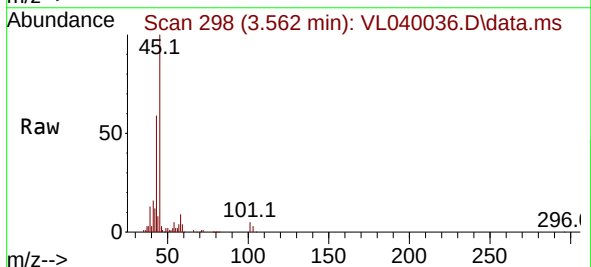
Acq: 19 Dec 2022 20:12

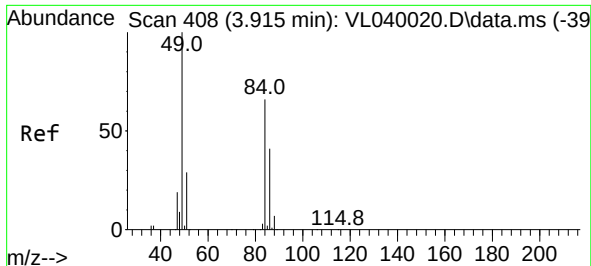
Tgt Ion: 45 Resp: 215911

Ion Ratio Lower Upper

45 100

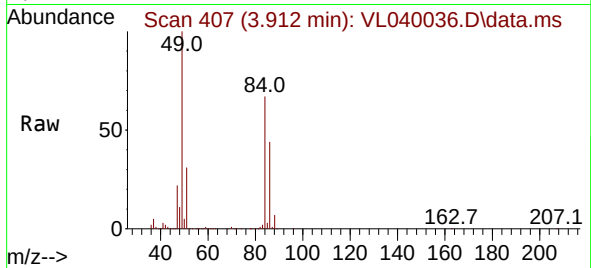
58 0.0 1.7 2.5





#20
Methylene Chloride
Concen: 15.372 ppbv
RT: 3.912 min Scan# 408
Delta R.T. -0.003 min
Lab File: VL040036.D
Acq: 19 Dec 2022 20:12

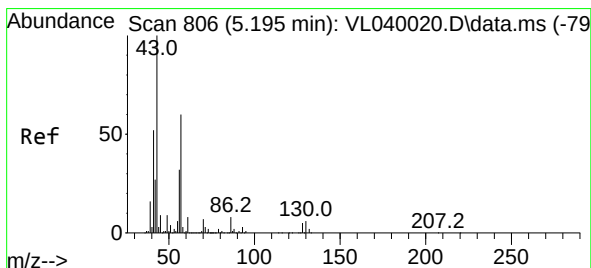
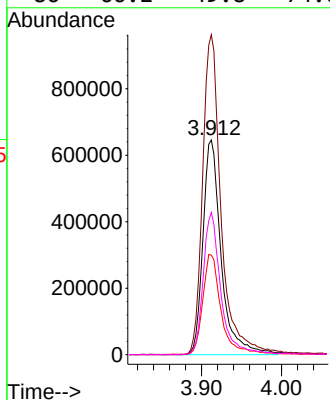
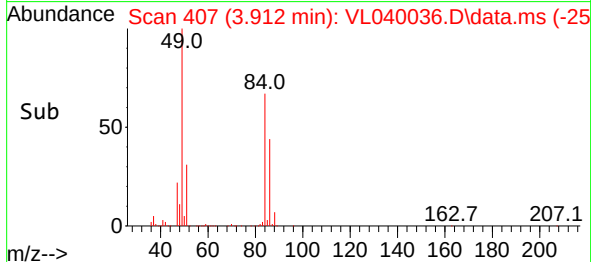
Instrument :
MSVOA_L
ClientSampleId :
SS-6



Tgt Ion: 84 Resp: 102786
Ion Ratio Lower Upper
84 100
49 149.0 120.5 180.7
51 46.2 35.2 52.8
86 66.2 49.8 74.6

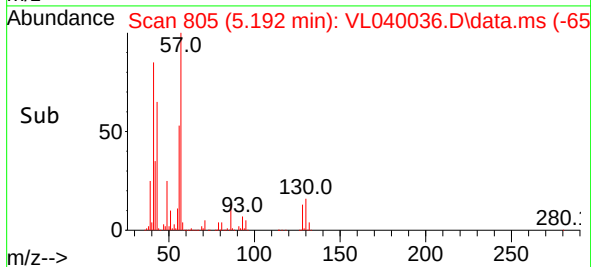
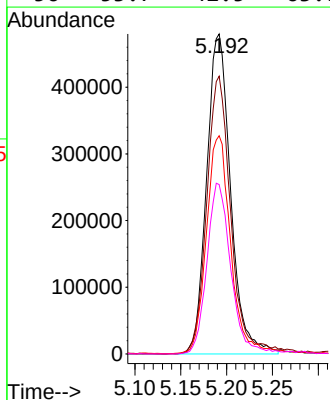
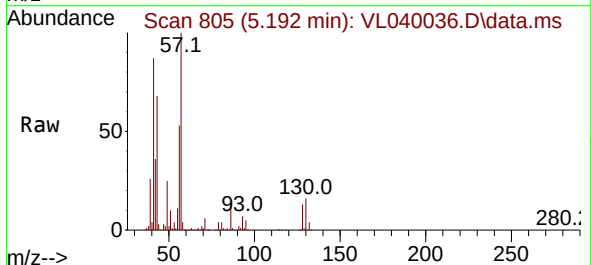
Manual Integrations
APPROVED

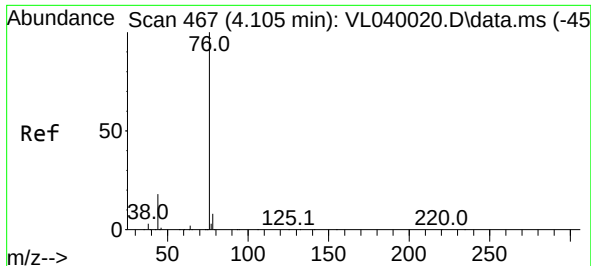
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#26
Hexane
Concen: 7.616 ppbv
RT: 5.192 min Scan# 805
Delta R.T. -0.003 min
Lab File: VL040036.D
Acq: 19 Dec 2022 20:12

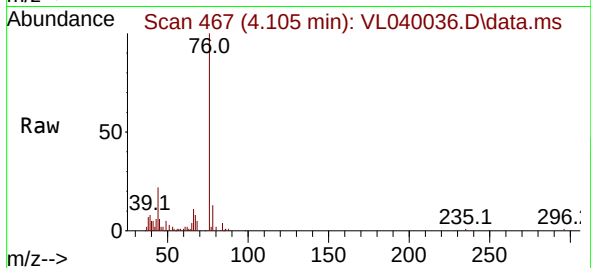
Tgt Ion: 57 Resp: 872067
Ion Ratio Lower Upper
57 100
41 88.3 72.1 108.1
43 69.4 192.1 288.1#
56 53.7 42.5 63.7





#27
Carbon Disulfide
Concen: 0.462 ppbv
RT: 4.105 min Scan# 40
Delta R.T. 0.000 min
Lab File: VL040036.D
Acq: 19 Dec 2022 20:12

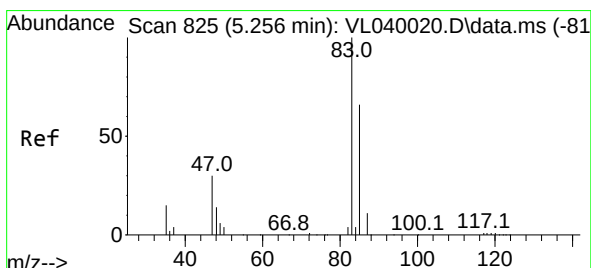
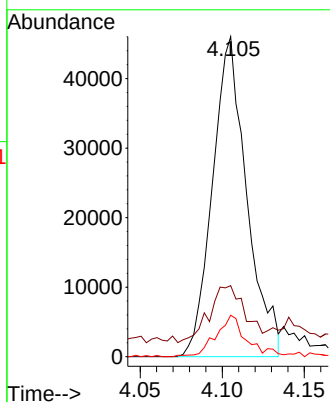
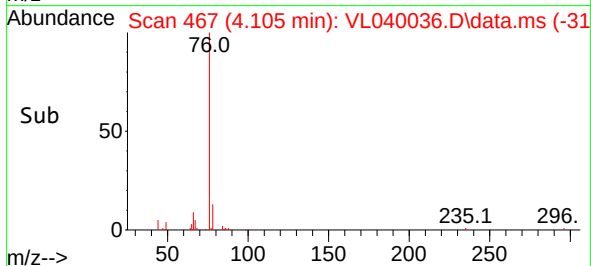
Instrument :
MSVOA_L
ClientSampleId :
SS-6



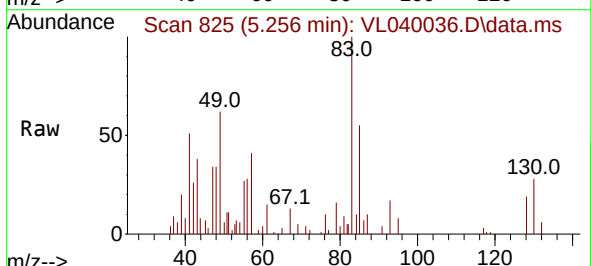
Tgt Ion: 76 Resp: 6675
Ion Ratio Lower Upper
76 100
44 19.2 15.3 22.9
78 12.8 7.8 11.6

Manual Integrations
APPROVED

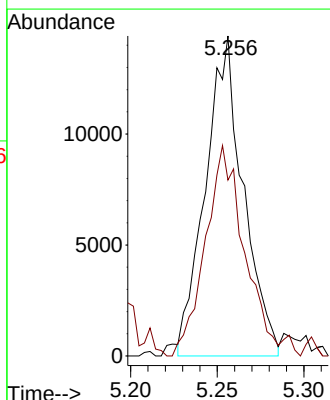
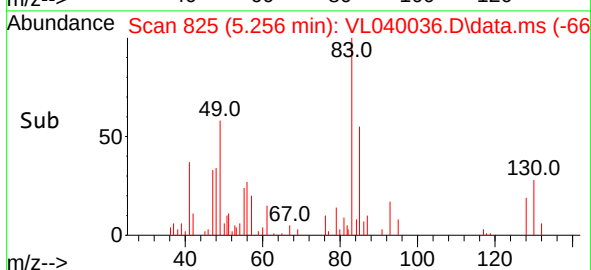
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

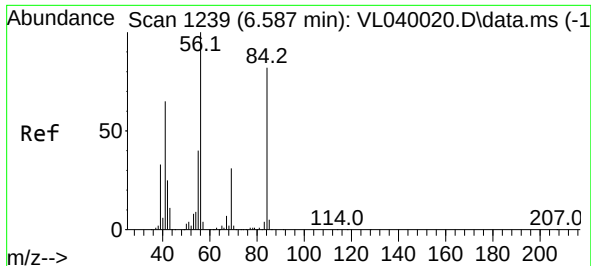


#29
Chloroform
Concen: 0.126 ppbv
RT: 5.256 min Scan# 825
Delta R.T. 0.000 min
Lab File: VL040036.D
Acq: 19 Dec 2022 20:12



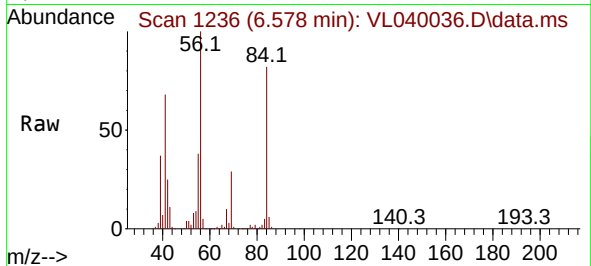
Tgt Ion: 83 Resp: 21930
Ion Ratio Lower Upper
83 100
85 53.1 52.4 78.6





#30
Cyclohexane
Concen: 3.297 ppbv
RT: 6.578 min Scan# 1236
Delta R.T. -0.010 min
Lab File: VL040036.D
Acq: 19 Dec 2022 20:12

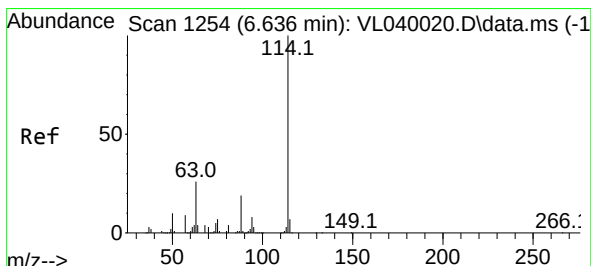
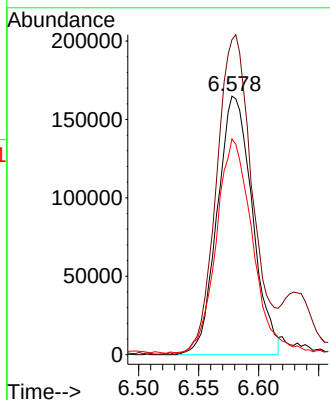
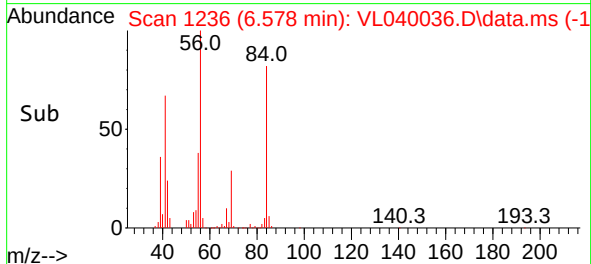
Instrument :
MSVOA_L
ClientSampleId :
SS-6



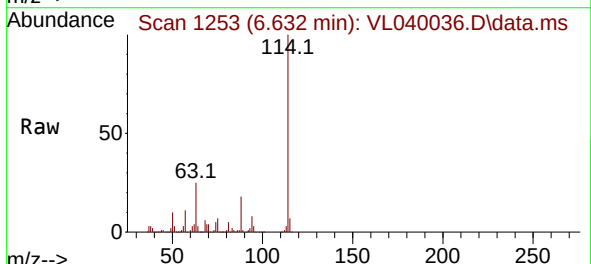
Tgt Ion: 84 Resp: 33435
Ion Ratio Lower Upper
84 100
56 147.7 110.2 165.4
41 87.6 67.8 101.8

Manual Integrations
APPROVED

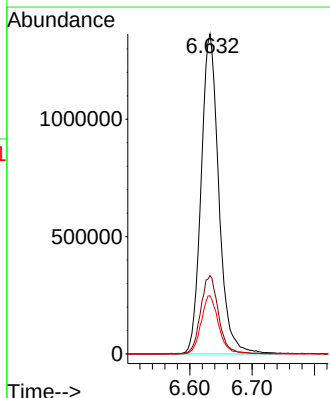
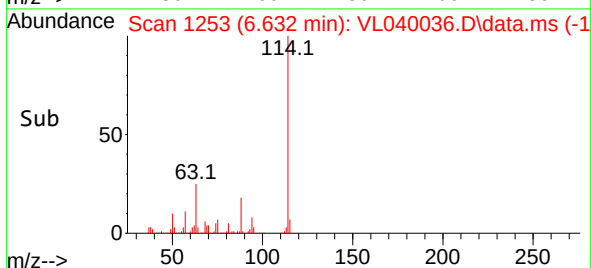
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

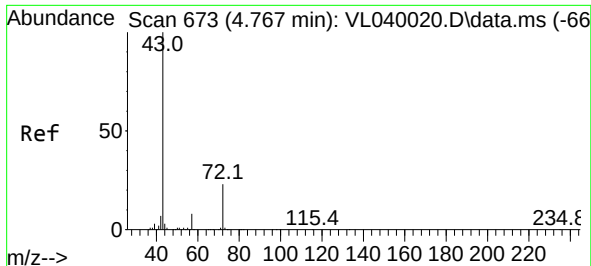


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.632 min Scan# 1253
Delta R.T. -0.003 min
Lab File: VL040036.D
Acq: 19 Dec 2022 20:12



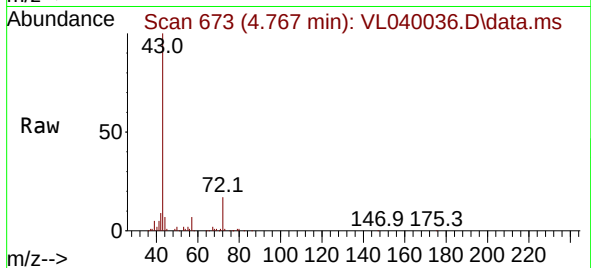
Tgt Ion:114 Resp: 2683958
Ion Ratio Lower Upper
114 100
63 25.1 20.2 30.2
88 18.0 14.6 21.8





#34
2-Butanone
Concen: 0.619 ppbv
RT: 4.767 min Scan# 613
Delta R.T. 0.000 min
Lab File: VL040036.D
Acq: 19 Dec 2022 20:12

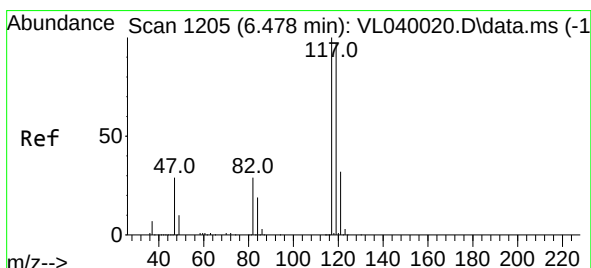
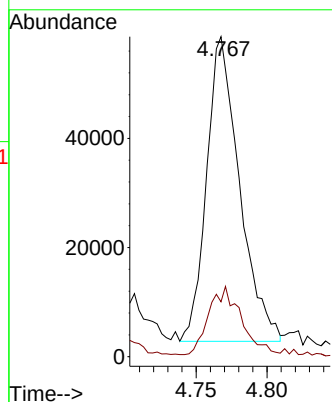
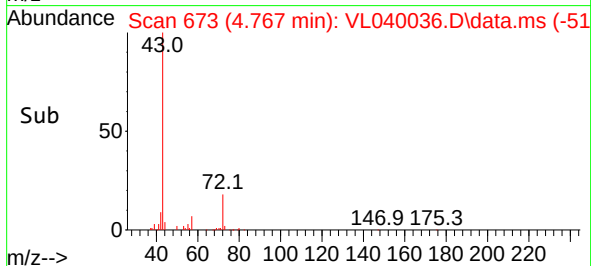
Instrument :
MSVOA_L
ClientSampleId :
SS-6



Tgt Ion: 43 Resp: 9013
Ion Ratio Lower Upper
43 100
72 25.2 18.0 27.0

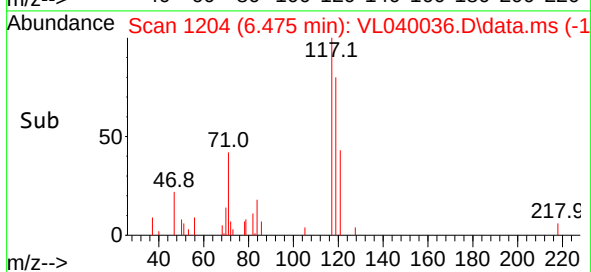
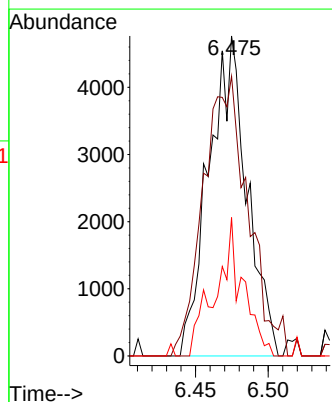
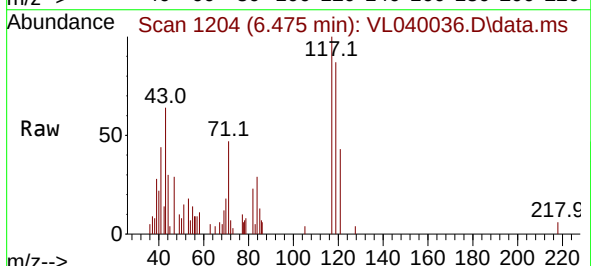
Manual Integrations
APPROVED

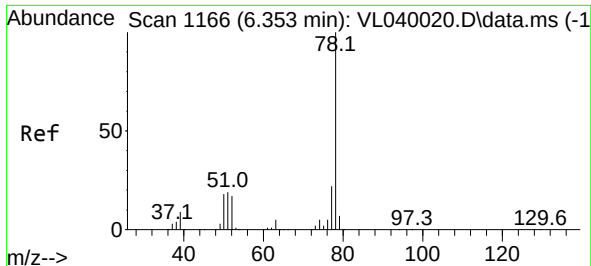
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#35
Carbon Tetrachloride
Concen: 0.052 ppbv m
RT: 6.475 min Scan# 1204
Delta R.T. -0.003 min
Lab File: VL040036.D
Acq: 19 Dec 2022 20:12

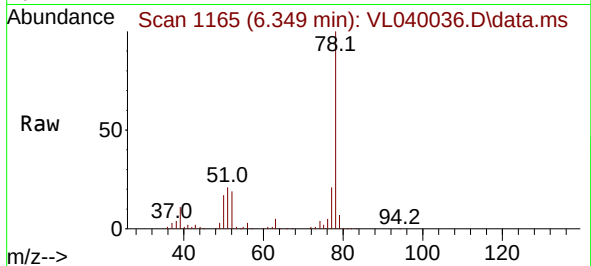
Tgt Ion:117 Resp: 8703
Ion Ratio Lower Upper
117 100
119 87.4 77.3 115.9
121 43.2 25.4 38.0#





#36
Benzene
Concen: 1.457 ppbv
RT: 6.349 min Scan# 1165
Delta R.T. -0.003 min
Lab File: VL040036.D
Acq: 19 Dec 2022 20:12

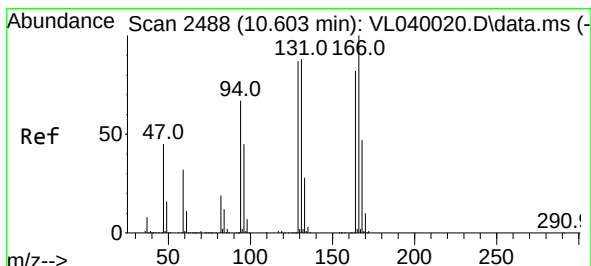
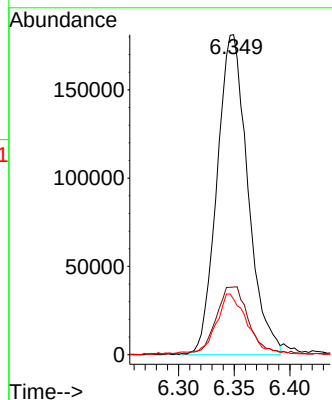
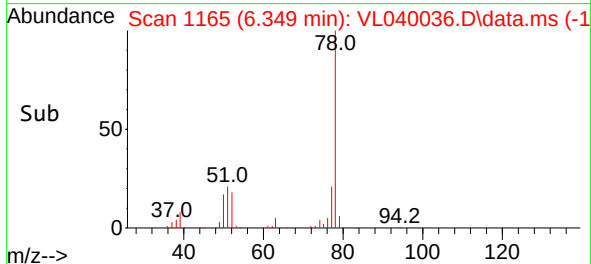
Instrument :
MSVOA_L
ClientSampleId :
SS-6



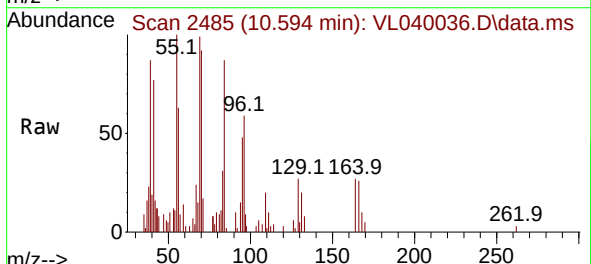
Tgt Ion: 78 Resp: 34924
Ion Ratio Lower Upper
78 100
77 20.6 17.5 26.3
50 16.6 14.2 21.2

Manual Integrations
APPROVED

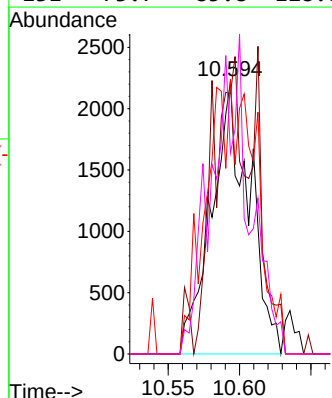
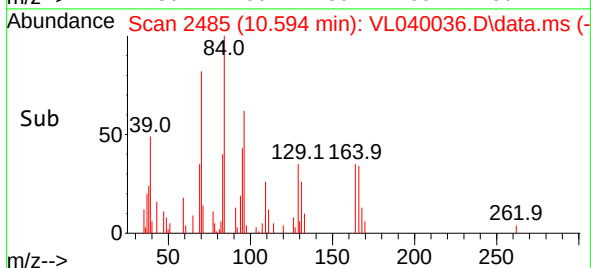
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

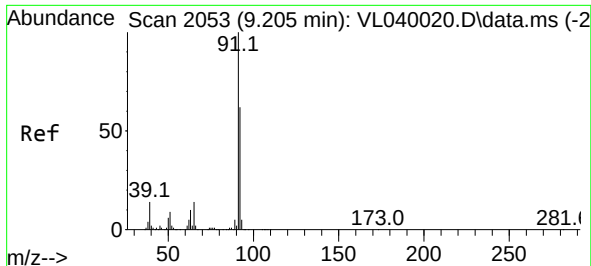


#52
Tetrachloroethene
Concen: 0.050 ppbv m
RT: 10.594 min Scan# 2485
Delta R.T. -0.010 min
Lab File: VL040036.D
Acq: 19 Dec 2022 20:12



Tgt Ion:164 Resp: 4079
Ion Ratio Lower Upper
164 100
166 95.5 97.4 146.0#
129 100.6 84.3 126.5
131 73.7 85.8 128.8#





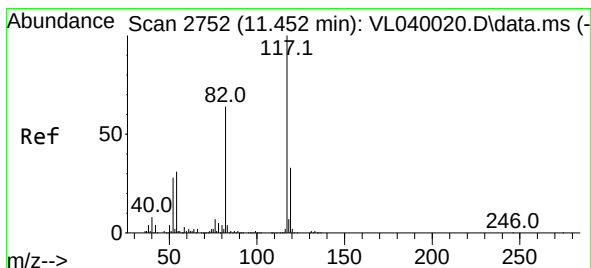
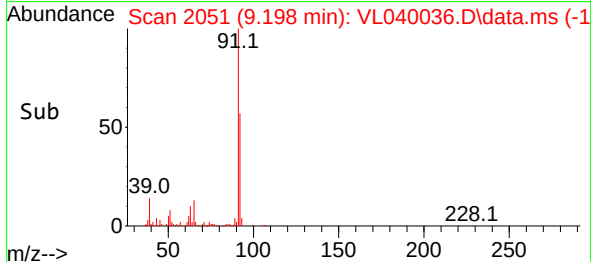
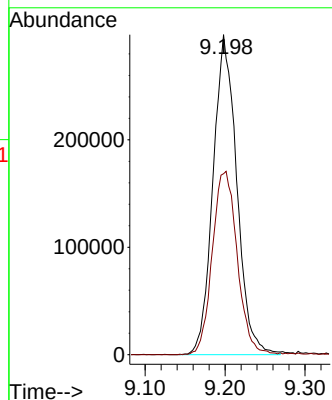
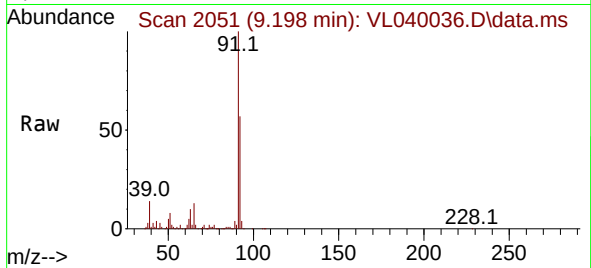
#53
Toluene
Concen: 2.312 ppbv
RT: 9.198 min Scan# 2053
Delta R.T. -0.006 min
Lab File: VL040036.D
Acq: 19 Dec 2022 20:12

Instrument :
MSVOA_L
ClientSampleId :
SS-6

Tgt Ion: 91 Resp: 613650
Ion Ratio Lower Upper
91 100
92 60.6 48.7 73.1

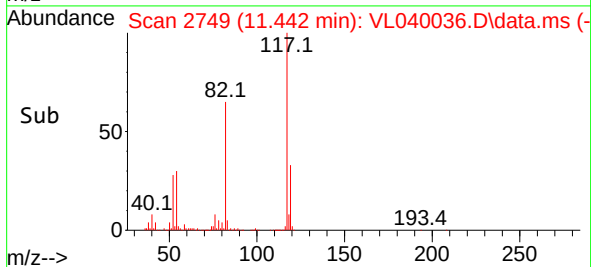
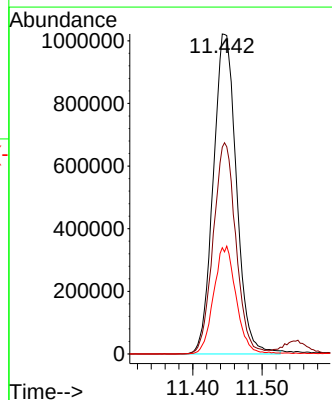
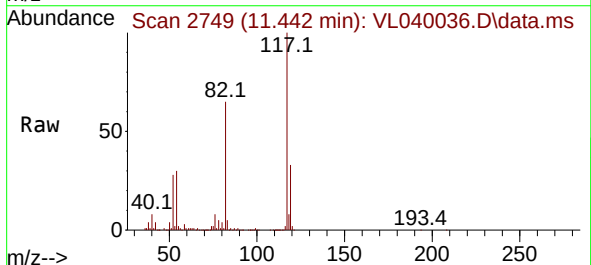
Manual Integrations
APPROVED

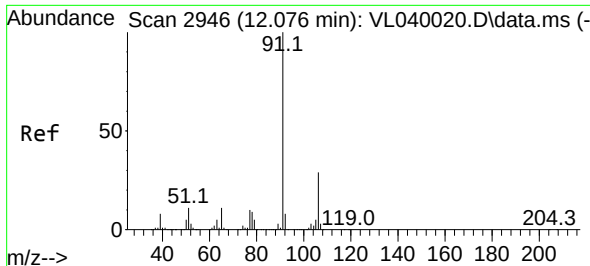
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 2749
Delta R.T. -0.010 min
Lab File: VL040036.D
Acq: 19 Dec 2022 20:12

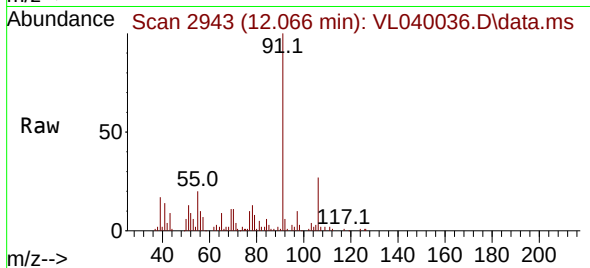
Tgt Ion:117 Resp: 2373299
Ion Ratio Lower Upper
117 100
82 64.8 51.2 76.8
119 32.9 23.2 34.8





#58
Ethyl Benzene
Concen: 0.313 ppbv
RT: 12.066 min Scan# 2946
Delta R.T. -0.010 min
Lab File: VL040036.D
Acq: 19 Dec 2022 20:12

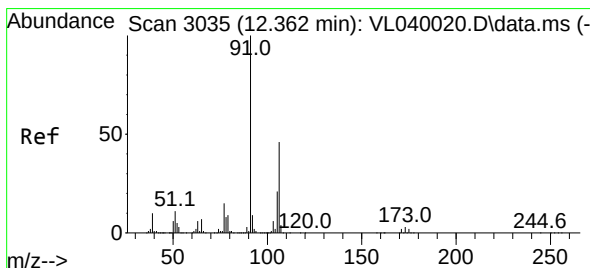
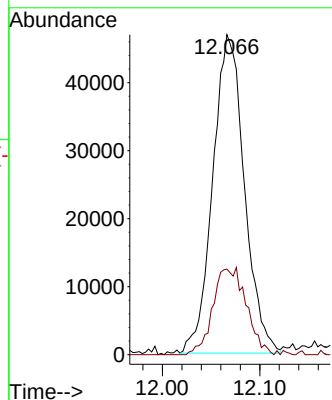
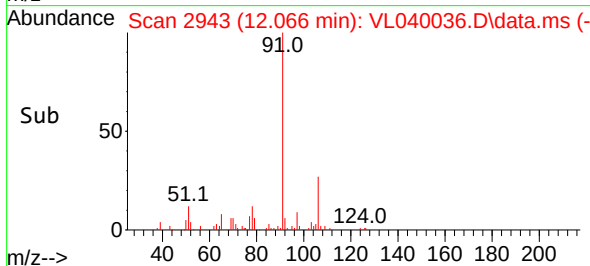
Instrument :
MSVOA_L
ClientSampleId :
SS-6



Tgt Ion: 91 Resp: 10544
Ion Ratio Lower Upper
91 100
106 26.9 23.5 35.3

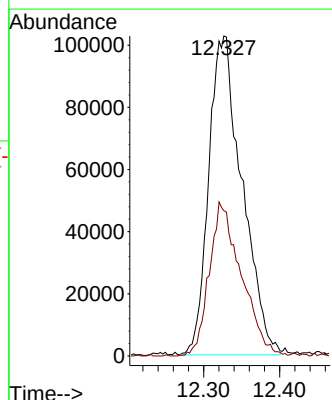
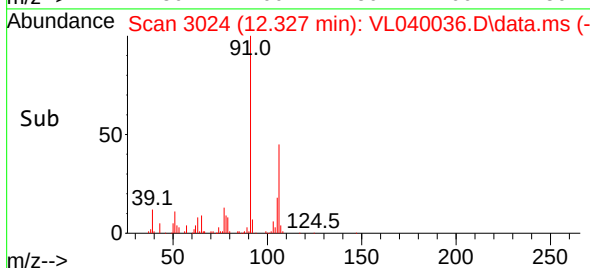
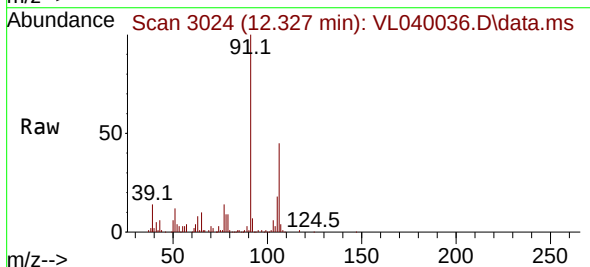
Manual Integrations
APPROVED

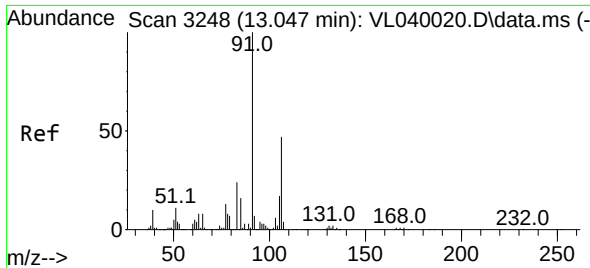
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#59
m/p-Xylene
Concen: 1.065 ppbv
RT: 12.327 min Scan# 3024
Delta R.T. -0.035 min
Lab File: VL040036.D
Acq: 19 Dec 2022 20:12

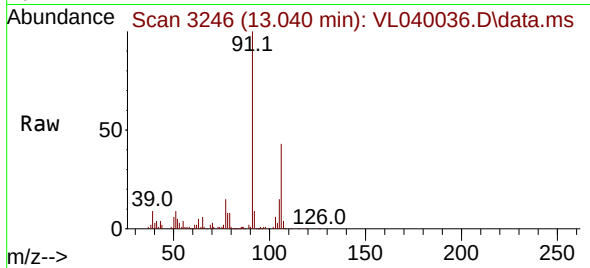
Tgt Ion: 91 Resp: 312929
Ion Ratio Lower Upper
91 100
106 46.6 35.5 53.3





#60
o-Xylene
Concen: 0.606 ppbv
RT: 13.040 min Scan# 3196
Delta R.T. -0.006 min
Lab File: VL040036.D
Acq: 19 Dec 2022 20:12

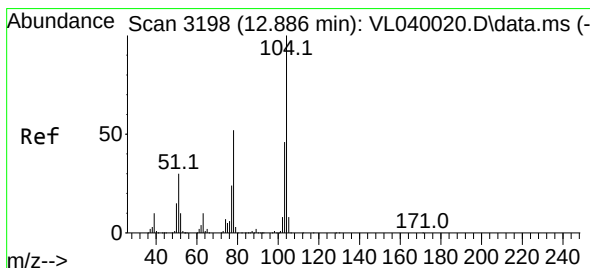
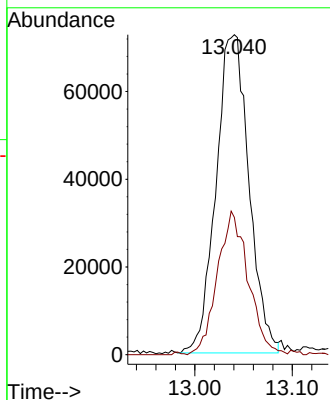
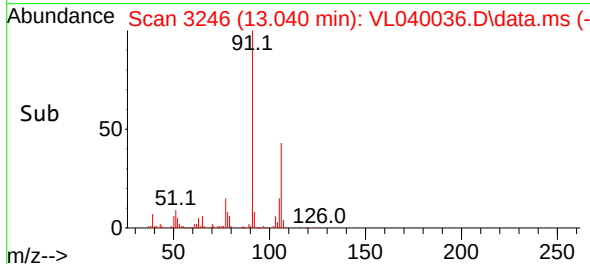
Instrument :
MSVOA_L
ClientSampleId :
SS-6



Tgt Ion: 91 Resp: 17050
Ion Ratio Lower Upper
91 100
106 42.7 22.4 67.0

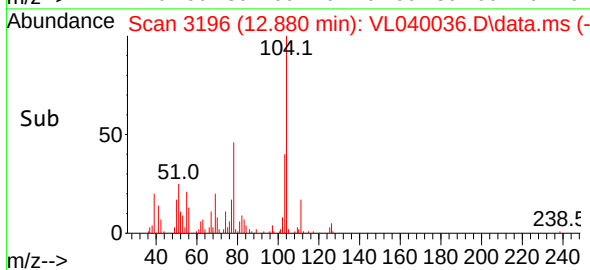
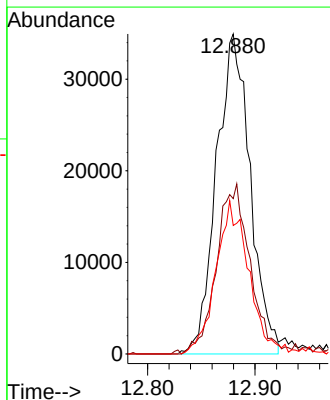
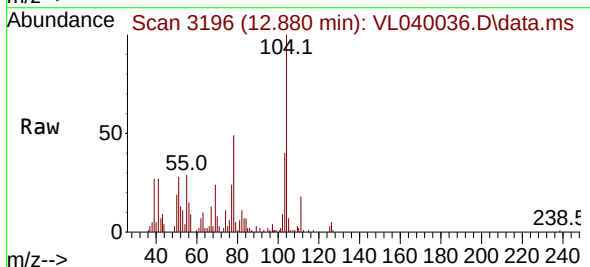
Manual Integrations
APPROVED

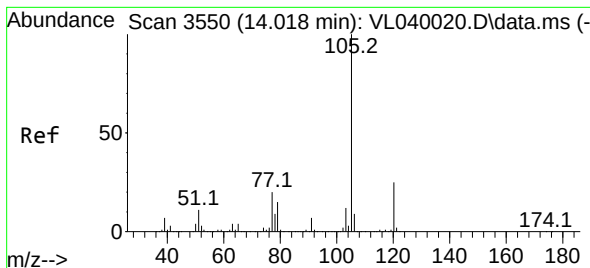
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#61
Styrene
Concen: 0.503 ppbv
RT: 12.880 min Scan# 3196
Delta R.T. -0.006 min
Lab File: VL040036.D
Acq: 19 Dec 2022 20:12

Tgt Ion:104 Resp: 75952
Ion Ratio Lower Upper
104 100
78 54.3 42.4 63.6
103 47.9 37.2 55.8





#62

Isopropylbenzene

Concen: 0.102 ppbv

RT: 14.008 min Scan# 3547

Delta R.T. -0.010 min

Lab File: VL040036.D

Acq: 19 Dec 2022 20:12

Instrument :

MSVOA_L

ClientSampleId :

SS-6

Tgt Ion:105 Resp: 4143

Ion Ratio Lower Upper

105 100

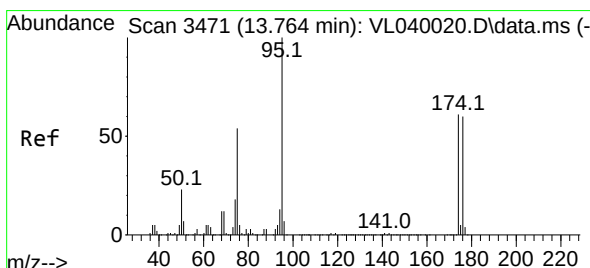
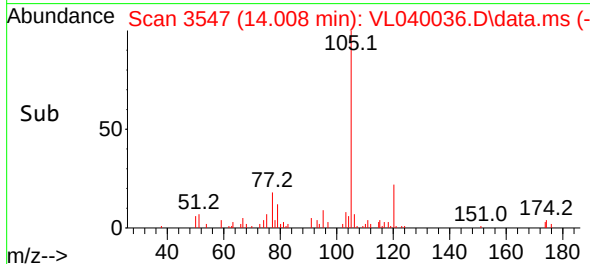
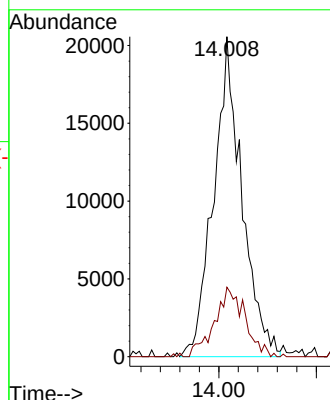
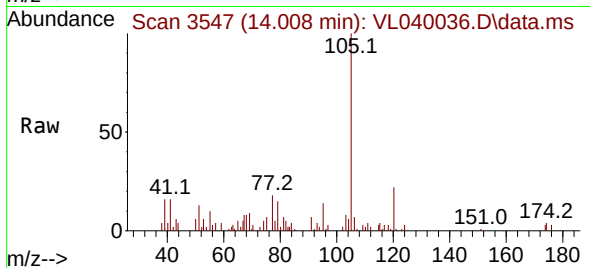
120 23.5 20.6 31.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2022

Supervised By :Mahesh Dadoda 12/20/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 10.383 ppbv

RT: 13.754 min Scan# 3468

Delta R.T. -0.010 min

Lab File: VL040036.D

Acq: 19 Dec 2022 20:12

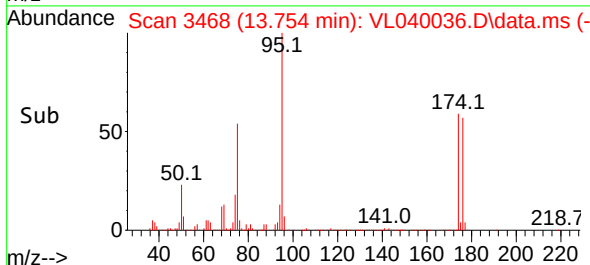
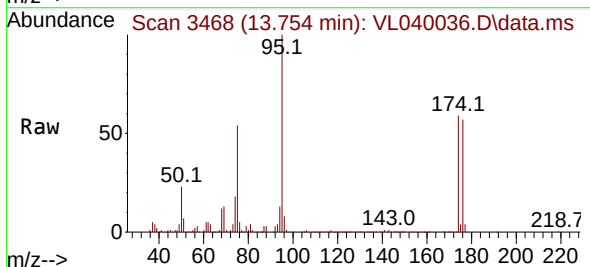
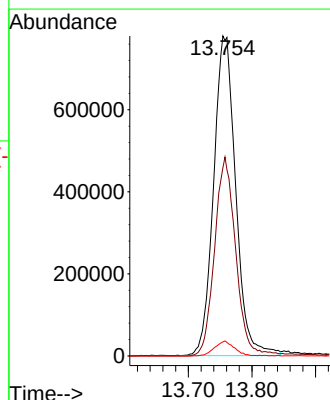
Tgt Ion: 95 Resp: 1882274

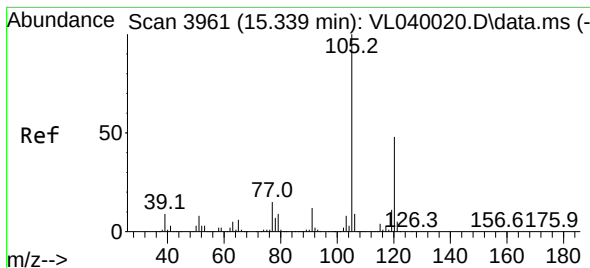
Ion Ratio Lower Upper

95 100

174 60.5 48.6 73.0

175 4.4 3.4 5.2





#73

1,3,5-Trimethylbenzene

Concen: 0.148 ppbv m

RT: 15.333 min Scan# 3961

Delta R.T. -0.006 min

Lab File: VL040036.D

Acq: 19 Dec 2022 20:12

Instrument :

MSVOA_L

ClientSampleId :

SS-6

Tgt Ion:105 Resp: 4166

Ion Ratio Lower Upper

105 100

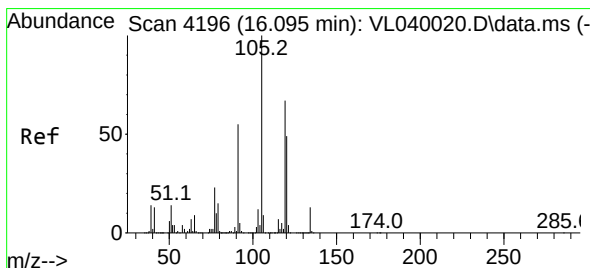
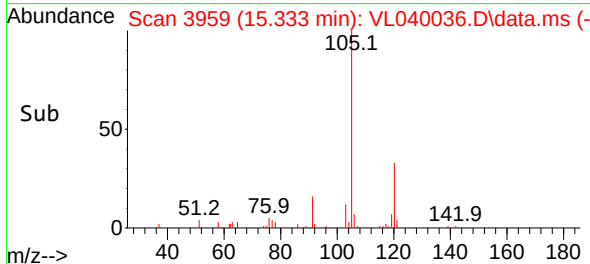
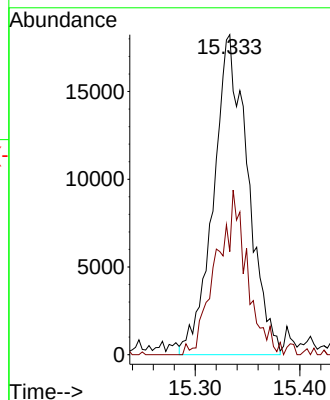
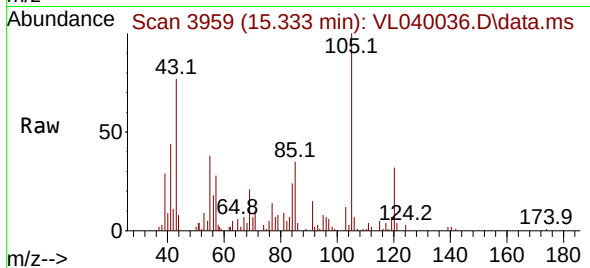
120 32.2 38.4 57.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2022

Supervised By :Mahesh Dadoda 12/20/2022



#74

1,2,4-Trimethylbenzene

Concen: 0.274 ppbv m

RT: 16.095 min Scan# 4196

Delta R.T. 0.000 min

Lab File: VL040036.D

Acq: 19 Dec 2022 20:12

Tgt Ion:105 Resp: 85091

Ion Ratio Lower Upper

105 100

120 33.7 39.3 58.9#

91 11.1 44.2 66.4#

77 16.1 18.8 28.2#

