

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052322\
 Data File : VL039092.D
 Acq On : 23 May 2022 20:24
 Operator : SY/AP
 Sample : N2956-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AP-2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/25/2022
 Supervised By :Mahesh Dadoda 05/26/2022

Quant Time: May 24 06:02:11 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 26 13:01:31 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

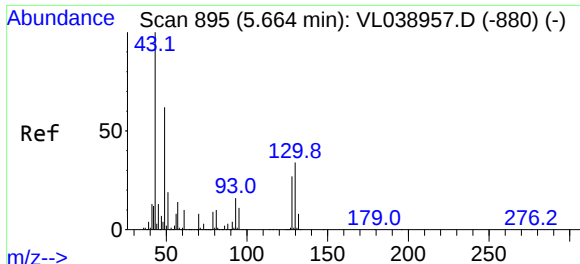
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.652	49	1024919	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.156	114	2283883	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.063	117	1821220	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.391	95	1585276	10.991	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	= 109.900%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.047	85	44336m	0.276	ppbv	
4) Chloromethane	3.131	50	46480	0.730	ppbv	93
9) Propene	3.015	41	64884m	1.168	ppbv	
11) Trichlorofluoromethane	3.941	101	39961m	0.290	ppbv	
13) Ethanol	3.603	45	11708287	2978.866	ppbv	91
15) Acetone	3.838	43	1111664	11.498	ppbv	97
17) tert-Butyl alcohol	4.295	59	67809m	0.913	ppbv	
19) Isopropyl Alcohol	3.963	45	3616751	78.680	ppbv	100
20) Methylene Chloride	4.333	84	257507	7.067	ppbv	94
26) Hexane	5.668	57	156057	1.518	ppbv #	53
29) Chloroform	5.735	83	93680m	0.563	ppbv	
34) 2-Butanone	5.230	43	123777m	1.062	ppbv	
35) Carbon Tetrachloride	7.005	117	10493m	0.070	ppbv	
36) Benzene	6.877	78	38809m	0.199	ppbv	
44) 2,2,4-Trimethylpentane	7.851	57	60332	0.176	ppbv #	82
52) Tetrachloroethene	11.211	164	3583m	0.051	ppbv	
53) Toluene	9.790	91	124241m	0.567	ppbv	
58) Ethyl Benzene	12.687	91	26950m	0.103	ppbv	
59) m/p-Xylene	12.950	91	70787m	0.316	ppbv	
60) o-Xylene	13.670	91	29112m	0.138	ppbv	
74) 1,2,4-Trimethylbenzene	16.738	105	31632m	0.134	ppbv	

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

Manual Integrations APPROVED

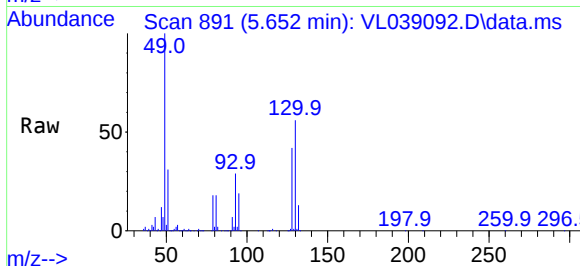
Quant Time: May 24 06:02:11 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.652 min Scan# 89
Delta R.T. -0.013 min
Lab File: VL039092.D
Acq: 23 May 2022 20:24

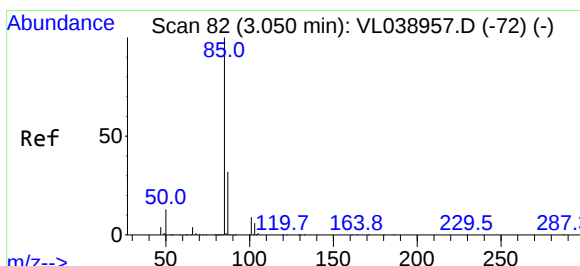
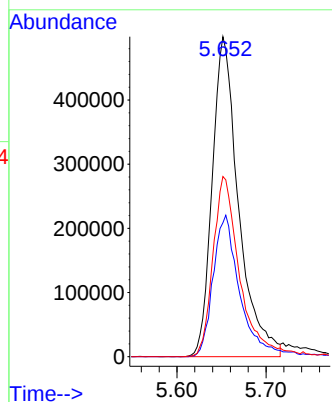
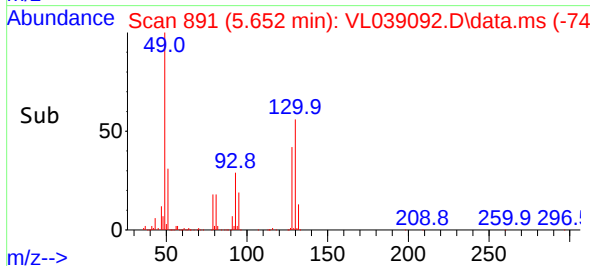
Instrument :
MSVOA_L
ClientSampleId :
AP-2



Tgt Ion: 49 Resp: 1024919
Ion Ratio Lower Upper
49 100
128 45.8 23.3 69.8
130 58.4 29.8 89.3

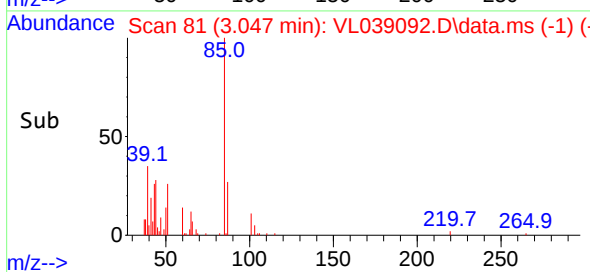
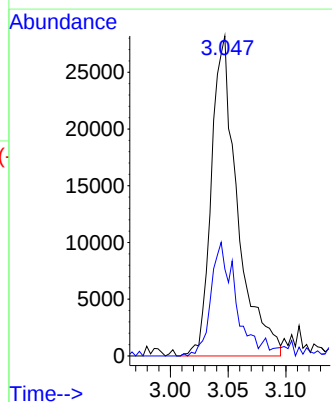
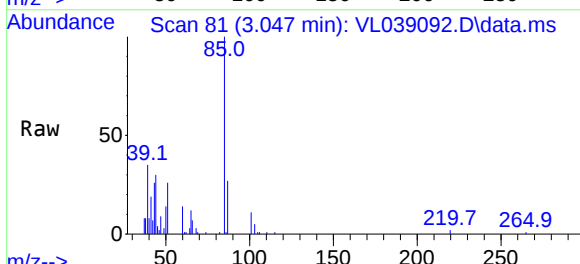
Manual Integrations
APPROVED

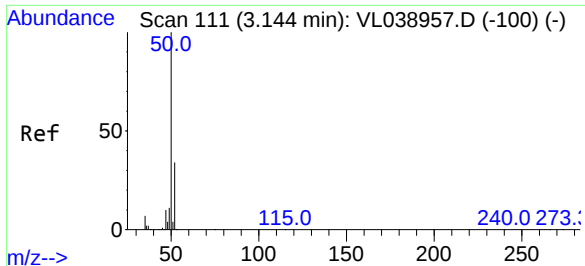
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#2
Dichlorodifluoromethane
Concen: 0.276 ppbv m
RT: 3.047 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL039092.D
Acq: 23 May 2022 20:24

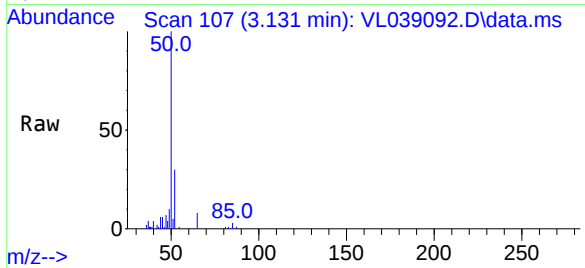
Tgt Ion: 85 Resp: 44336
Ion Ratio Lower Upper
85 100
87 27.2 25.7 38.5





#4
Chloromethane
Concen: 0.730 ppbv
RT: 3.131 min Scan# 107
Delta R.T. -0.013 min
Lab File: VL039092.D
Acq: 23 May 2022 20:24

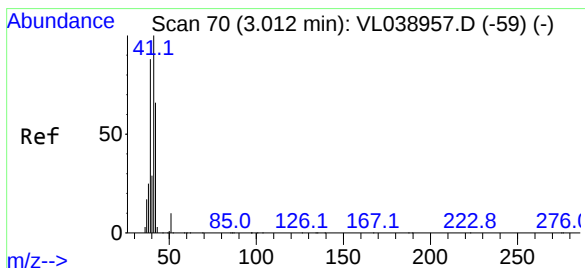
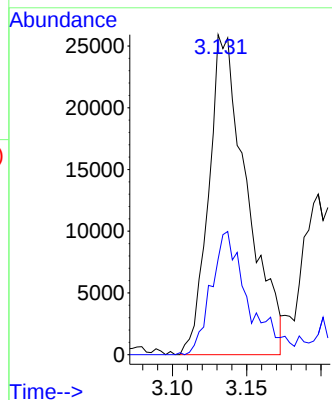
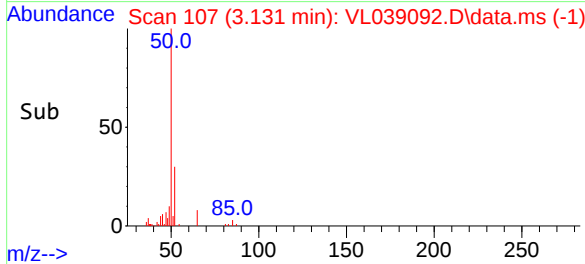
Instrument :
MSVOA_L
ClientSampleId :
AP-2



Tgt Ion: 50 Resp: 46480
Ion Ratio Lower Upper
50 100
52 29.8 27.3 40.9

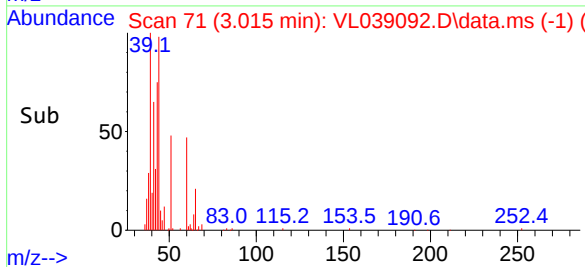
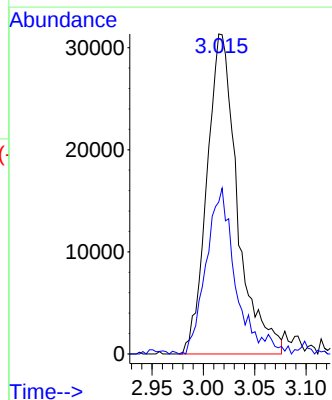
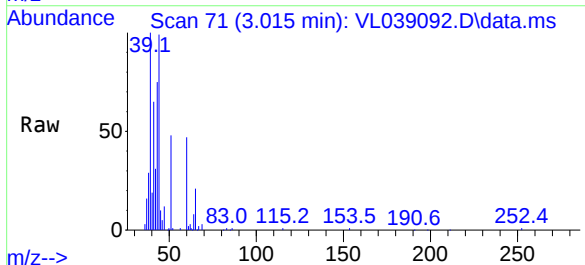
Manual Integrations
APPROVED

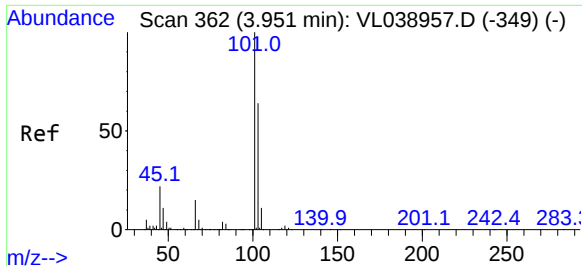
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#9
Propene
Concen: 1.168 ppbv m
RT: 3.015 min Scan# 71
Delta R.T. 0.003 min
Lab File: VL039092.D
Acq: 23 May 2022 20:24

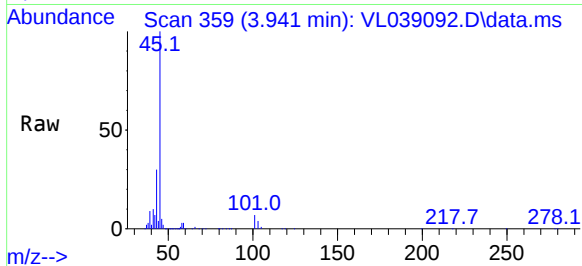
Tgt Ion: 41 Resp: 64884
Ion Ratio Lower Upper
41 100
42 797.0 58.3 87.5#





#11
Trichlorofluoromethane
Concen: 0.290 ppbv m
RT: 3.941 min Scan# 31
Delta R.T. -0.010 min
Lab File: VL039092.D
Acq: 23 May 2022 20:24

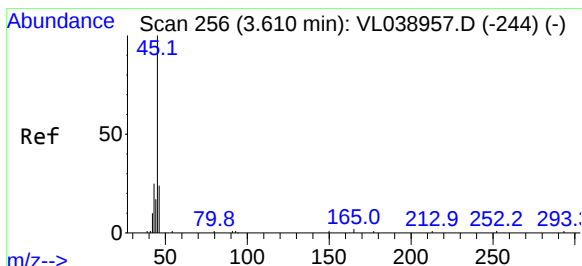
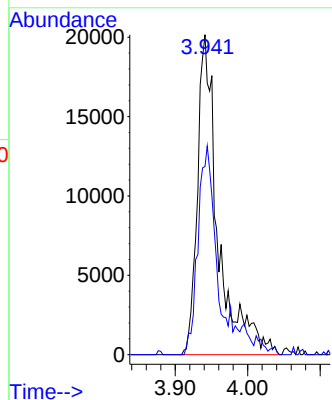
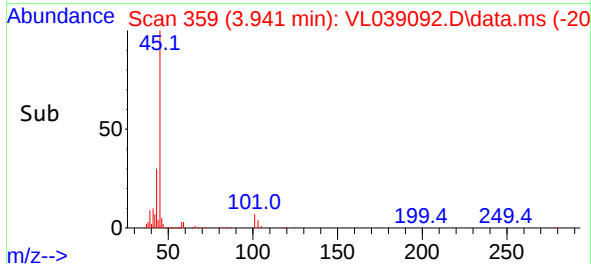
Instrument :
MSVOA_L
ClientSampleId :
AP-2



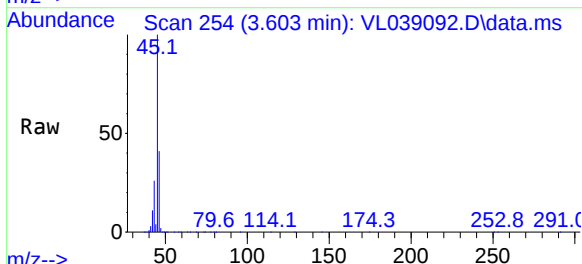
Tgt Ion:101 Resp: 3996
Ion Ratio Lower Upper
101 100
103 58.8 51.5 77.3

Manual Integrations
APPROVED

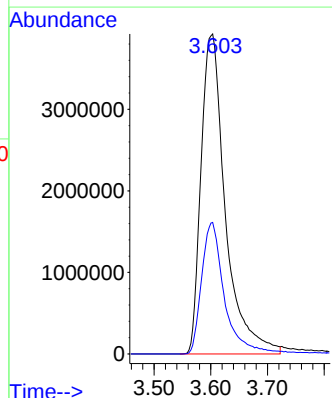
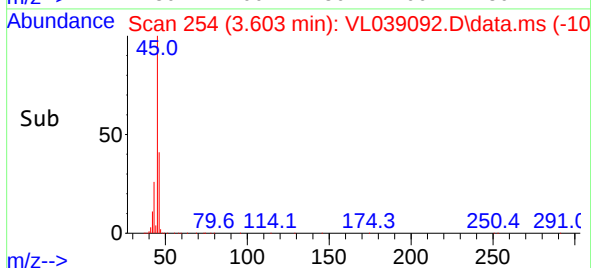
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022

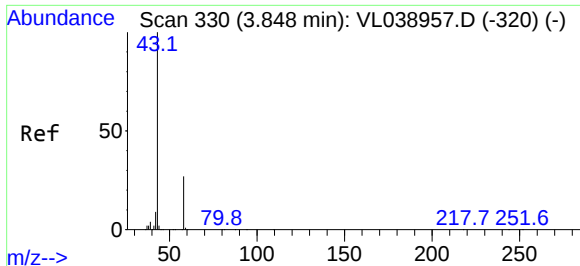


#13
Ethanol
Concen: 2978.866 ppbv
RT: 3.603 min Scan# 254
Delta R.T. -0.006 min
Lab File: VL039092.D
Acq: 23 May 2022 20:24



Tgt Ion: 45 Resp:11708287
Ion Ratio Lower Upper
45 100
46 39.5 18.0 72.2





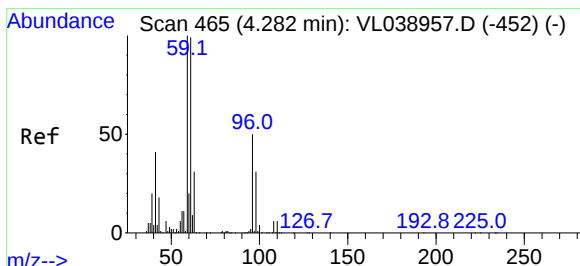
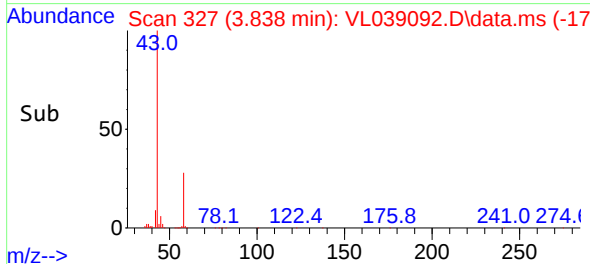
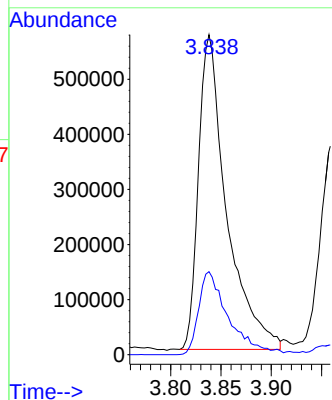
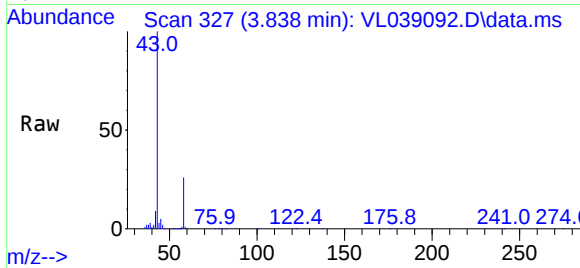
#15
Acetone
Concen: 11.498 ppbv
RT: 3.838 min Scan# 31
Delta R.T. -0.010 min
Lab File: VL039092.D
Acq: 23 May 2022 20:24

Instrument :
MSVOA_L
ClientSampleId :
AP-2

Tgt Ion: 43 Resp: 111166
Ion Ratio Lower Upper
43 100
58 28.3 21.3 31.9

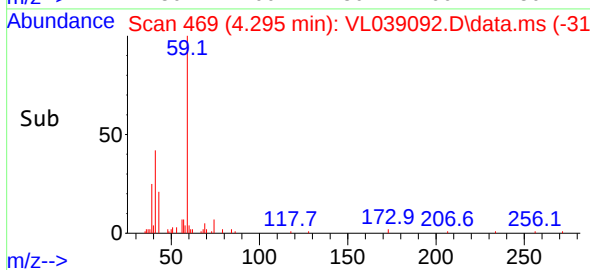
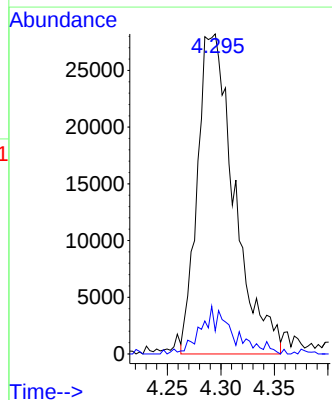
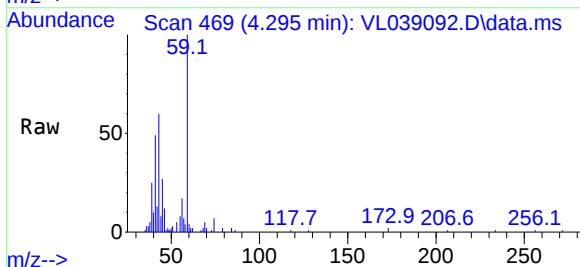
Manual Integrations
APPROVED

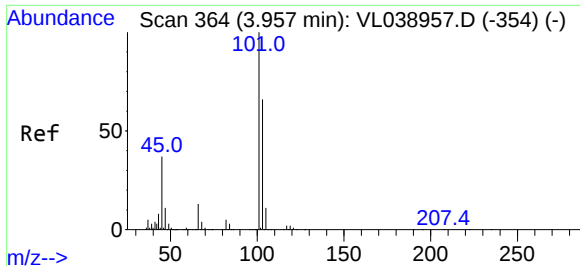
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#17
tert-Butyl alcohol
Concen: 0.913 ppbv m
RT: 4.295 min Scan# 469
Delta R.T. 0.013 min
Lab File: VL039092.D
Acq: 23 May 2022 20:24

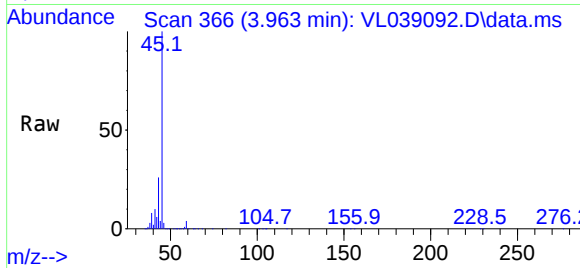
Tgt Ion: 59 Resp: 67809
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#





#19
Isopropyl Alcohol
Concen: 78.680 ppbv
RT: 3.963 min Scan# 301
Delta R.T. 0.006 min
Lab File: VL039092.D
Acq: 23 May 2022 20:24

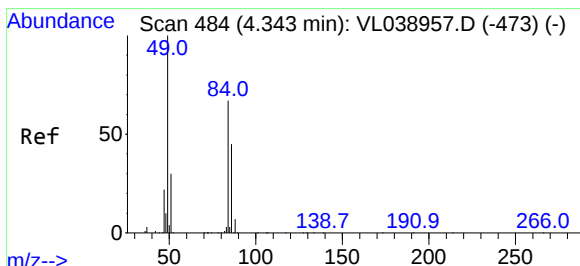
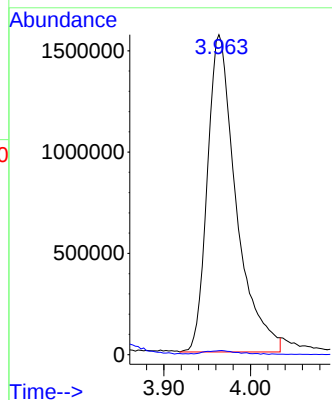
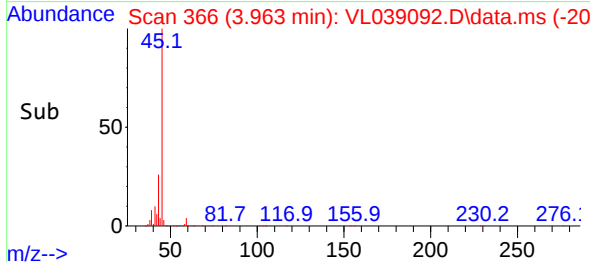
Instrument :
MSVOA_L
ClientSampleId :
AP-2



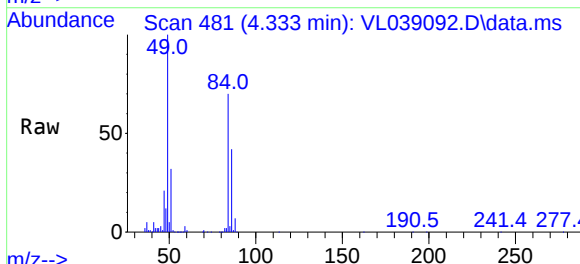
Tgt Ion: 45 Resp: 361675
Ion Ratio Lower Upper
45 100
58 1.9 1.4 2.2

Manual Integrations
APPROVED

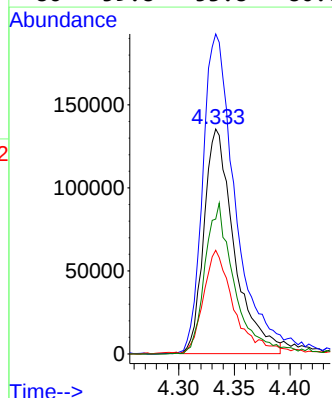
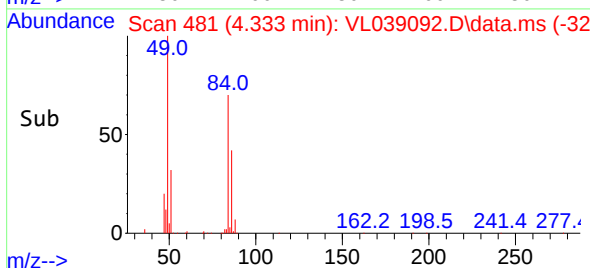
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022

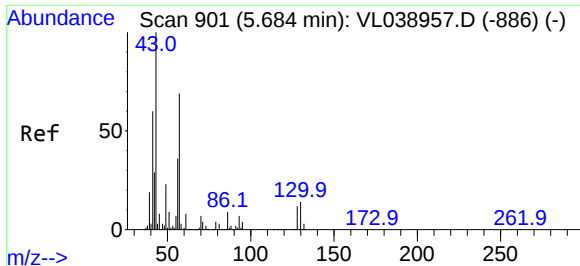


#20
Methylene Chloride
Concen: 7.067 ppbv
RT: 4.333 min Scan# 481
Delta R.T. -0.010 min
Lab File: VL039092.D
Acq: 23 May 2022 20:24



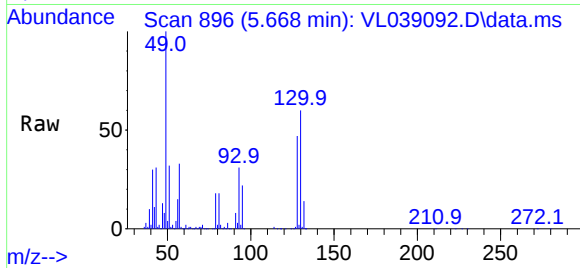
Tgt Ion: 84 Resp: 257507
Ion Ratio Lower Upper
84 100
49 141.5 119.9 179.9
51 45.9 35.7 53.5
86 59.8 53.8 80.6





#26
Hexane
Concen: 1.518 ppbv
RT: 5.668 min Scan# 896
Delta R.T. -0.016 min
Lab File: VL039092.D
Acq: 23 May 2022 20:24

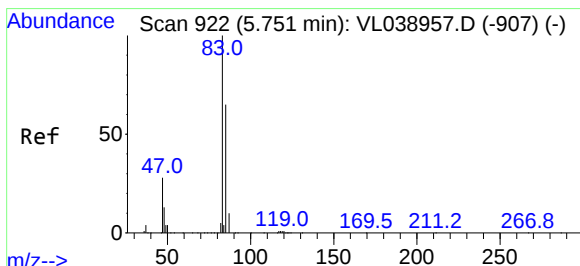
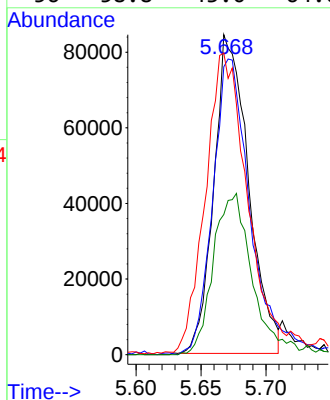
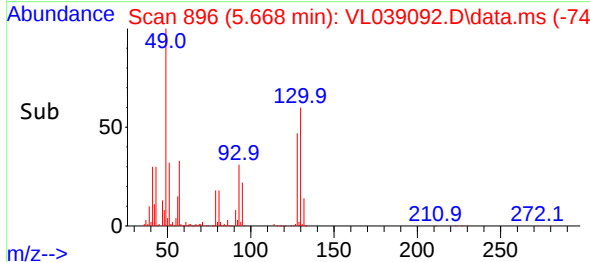
Instrument :
MSVOA_L
ClientSampleId :
AP-2



Tgt Ion: 57 Resp: 15605
Ion Ratio Lower Upper
57 100
41 103.1 75.2 112.8
43 119.0 190.8 286.2
56 58.8 43.0 64.6

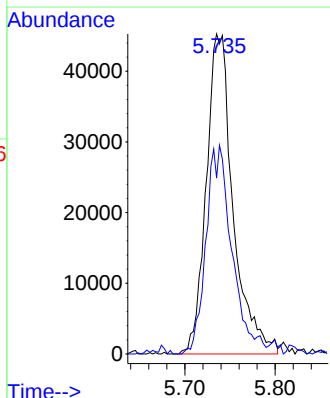
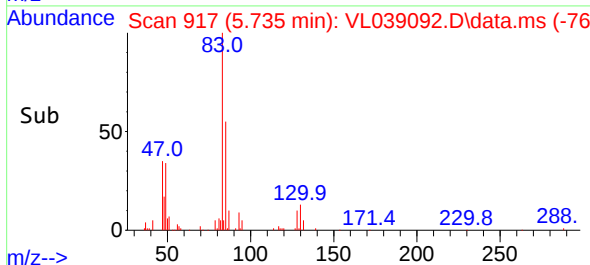
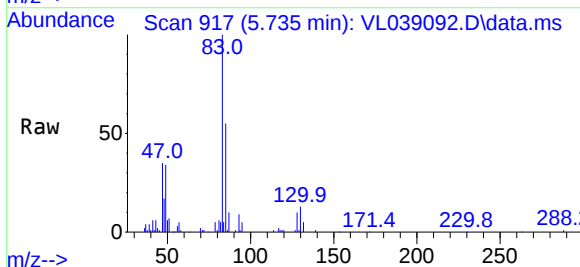
Manual Integrations
APPROVED

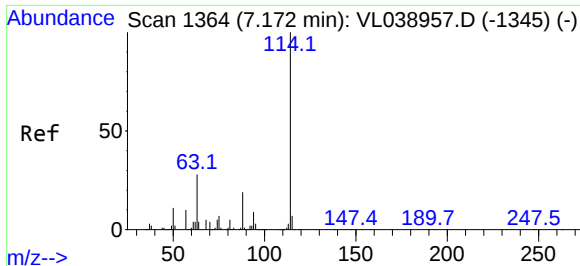
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#29
Chloroform
Concen: 0.563 ppbv m
RT: 5.735 min Scan# 917
Delta R.T. -0.016 min
Lab File: VL039092.D
Acq: 23 May 2022 20:24

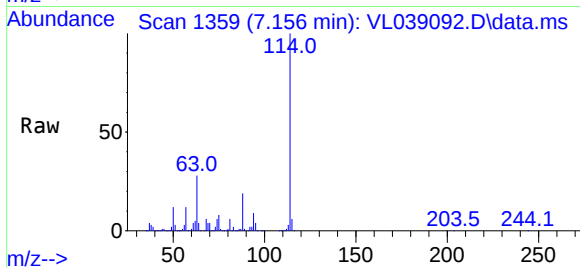
Tgt Ion: 83 Resp: 93680
Ion Ratio Lower Upper
83 100
85 54.9 51.8 77.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.156 min Scan# 114
Delta R.T. -0.016 min
Lab File: VL039092.D
Acq: 23 May 2022 20:24

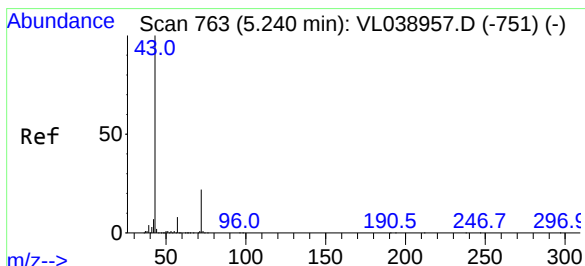
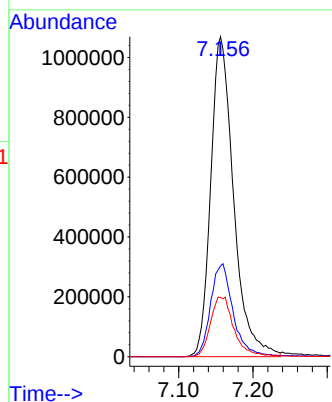
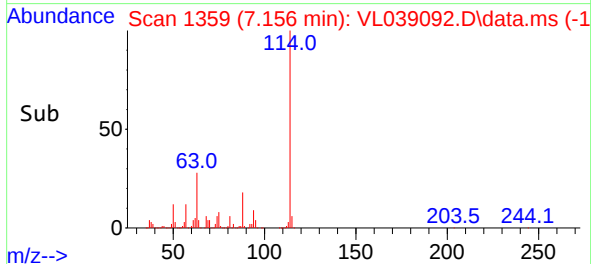
Instrument :
MSVOA_L
ClientSampleId :
AP-2



Tgt Ion:114 Resp: 228388
Ion Ratio Lower Upper
114 100
63 28.9 22.6 33.8
88 19.4 15.4 23.0

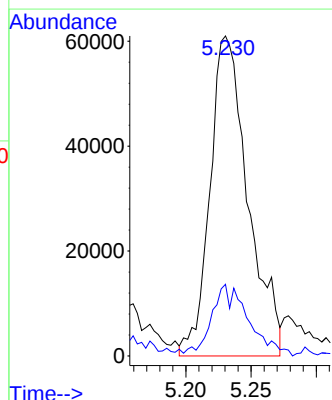
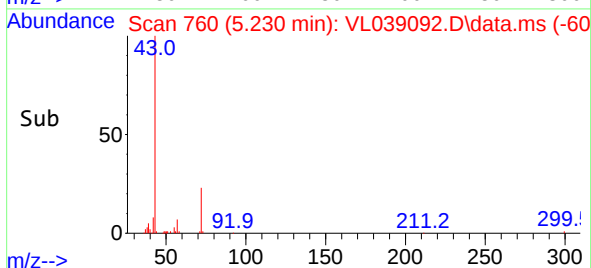
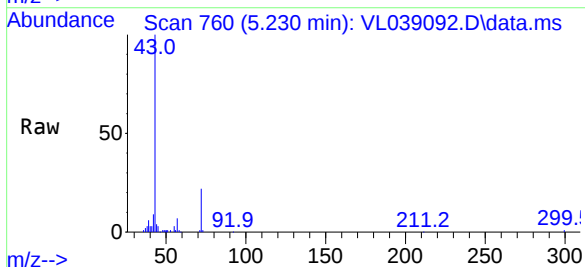
Manual Integrations
APPROVED

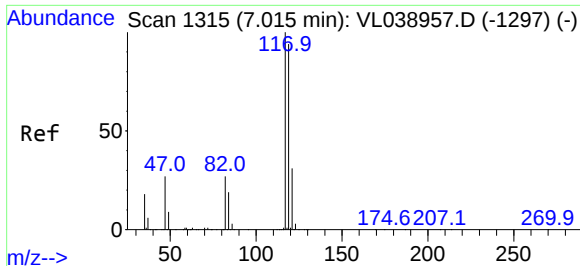
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#34
2-Butanone
Concen: 1.062 ppbv m
RT: 5.230 min Scan# 760
Delta R.T. -0.010 min
Lab File: VL039092.D
Acq: 23 May 2022 20:24

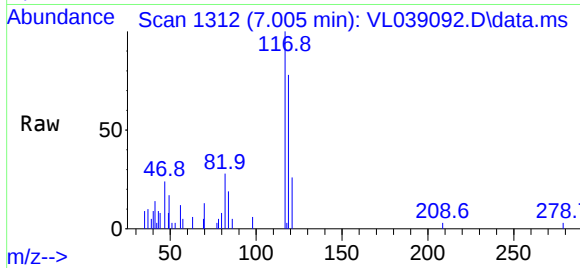
Tgt Ion: 43 Resp: 123777
Ion Ratio Lower Upper
43 100
72 23.0 17.8 26.6





#35
Carbon Tetrachloride
Concen: 0.070 ppbv m
RT: 7.005 min Scan# 117
Delta R.T. -0.010 min
Lab File: VL039092.D
Acq: 23 May 2022 20:24

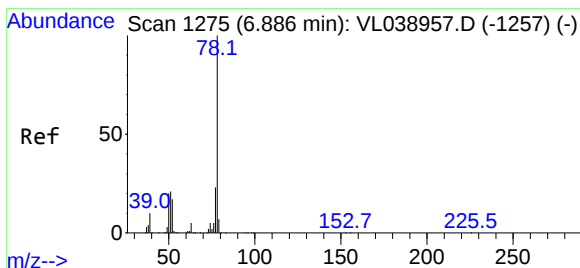
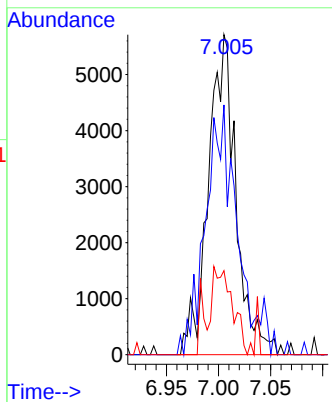
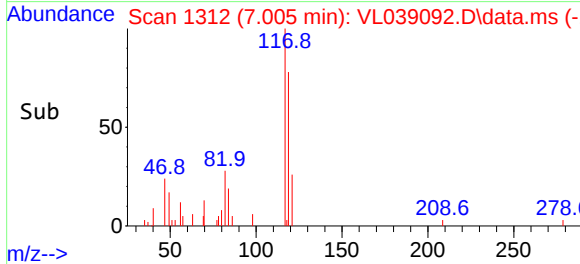
Instrument :
MSVOA_L
ClientSampleId :
AP-2



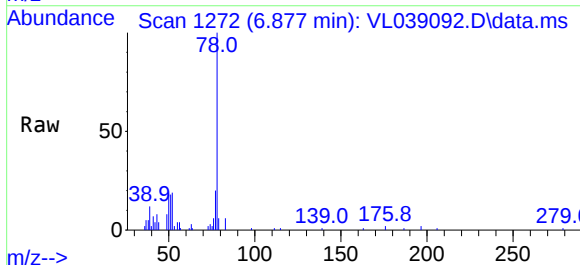
Tgt Ion: 117 Resp: 1049
Ion Ratio Lower Upper
117 100
119 78.1 75.2 112.8
121 26.3 24.6 37.0

Manual Integrations
APPROVED

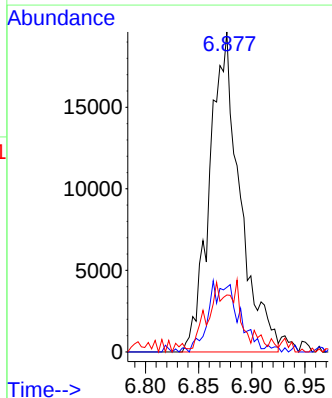
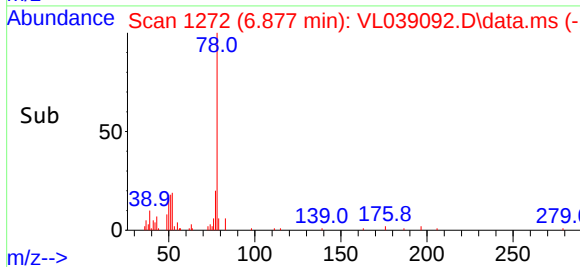
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022

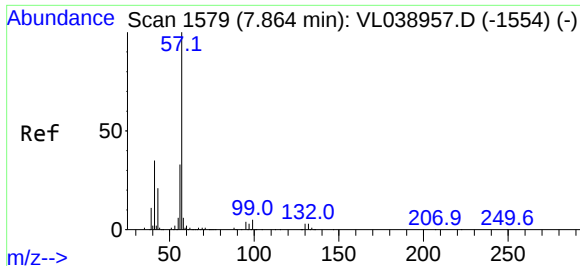


#36
Benzene
Concen: 0.199 ppbv m
RT: 6.877 min Scan# 1272
Delta R.T. -0.010 min
Lab File: VL039092.D
Acq: 23 May 2022 20:24



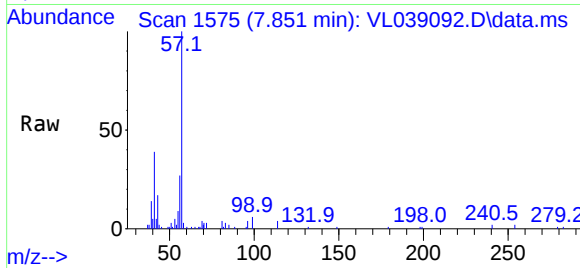
Tgt Ion: 78 Resp: 38809
Ion Ratio Lower Upper
78 100
77 20.2 18.6 28.0
50 17.8 15.6 23.4





#44
2,2,4-Trimethylpentane
Concen: 0.176 ppbv
RT: 7.851 min Scan# 1575
Delta R.T. -0.013 min
Lab File: VL039092.D
Acq: 23 May 2022 20:24

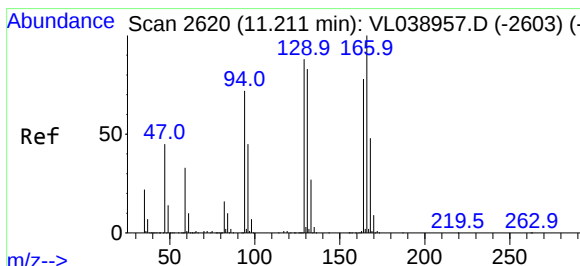
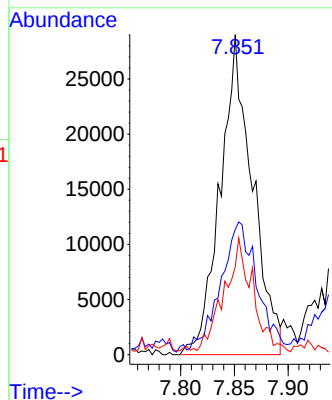
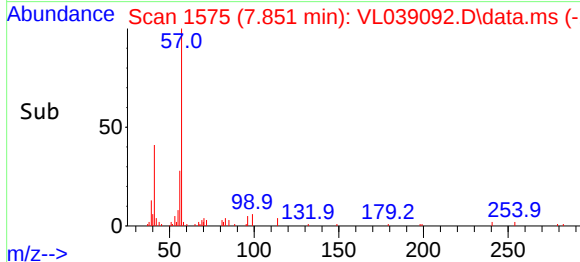
Instrument :
MSVOA_L
ClientSampleId :
AP-2



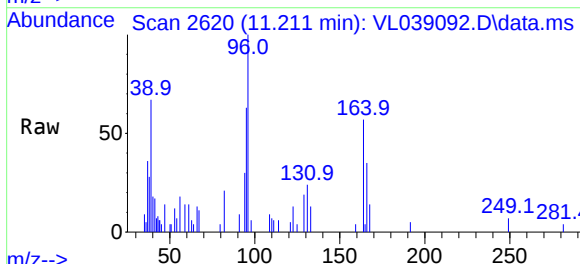
Tgt Ion: 57 Resp: 60332
Ion Ratio Lower Upper
57 100
41 47.1 26.3 39.5
56 36.4 24.6 37.0

Manual Integrations
APPROVED

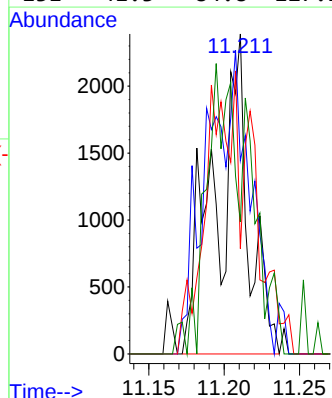
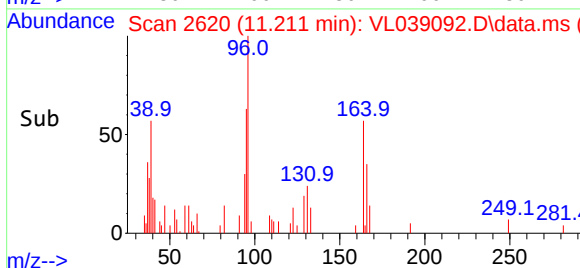
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022

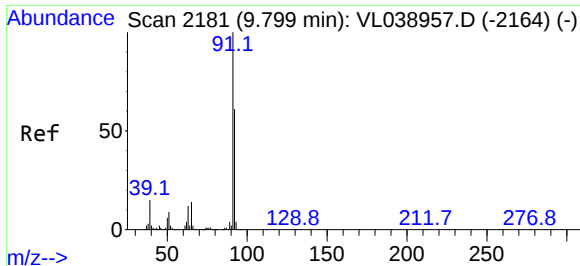


#52
Tetrachloroethene
Concen: 0.051 ppbv m
RT: 11.211 min Scan# 2620
Delta R.T. -0.000 min
Lab File: VL039092.D
Acq: 23 May 2022 20:24



Tgt Ion:164 Resp: 3583
Ion Ratio Lower Upper
164 100
166 60.5 102.5 153.7#
129 32.9 90.1 135.1#
131 41.3 84.8 127.2#





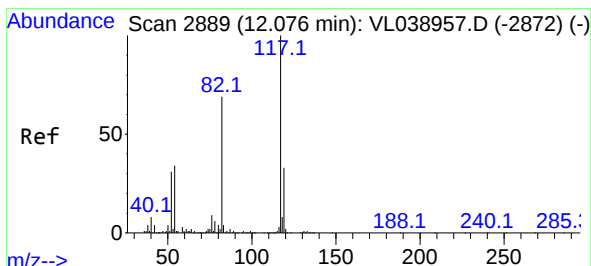
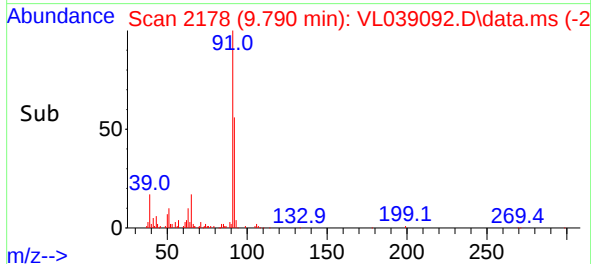
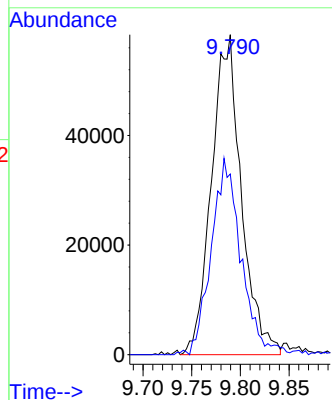
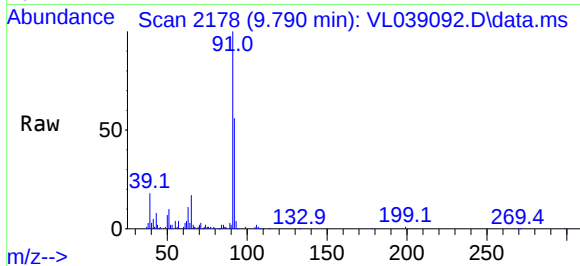
#53
Toluene
Concen: 0.567 ppbv m
RT: 9.790 min Scan# 2181
Delta R.T. -0.010 min
Lab File: VL039092.D
Acq: 23 May 2022 20:24

Instrument :
MSVOA_L
ClientSampleId :
AP-2

Tgt Ion: 91 Resp: 12424
Ion Ratio Lower Upper
91 100
92 62.4 48.2 72.2

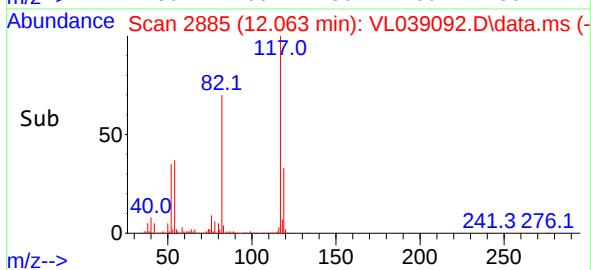
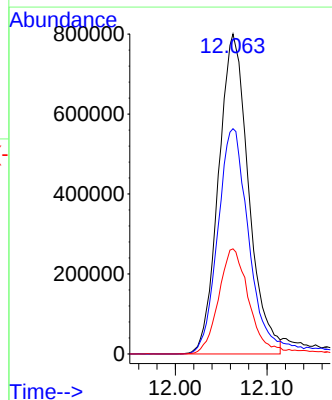
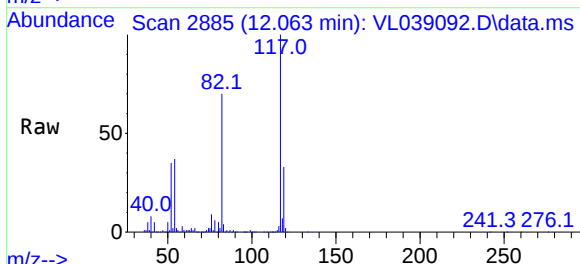
Manual Integrations
APPROVED

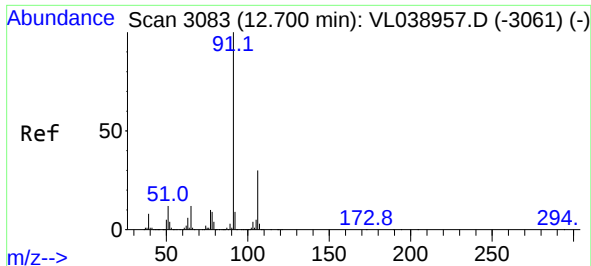
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.063 min Scan# 2885
Delta R.T. -0.013 min
Lab File: VL039092.D
Acq: 23 May 2022 20:24

Tgt Ion:117 Resp: 1821220
Ion Ratio Lower Upper
117 100
82 77.6 57.0 85.6
119 35.1 27.2 40.8





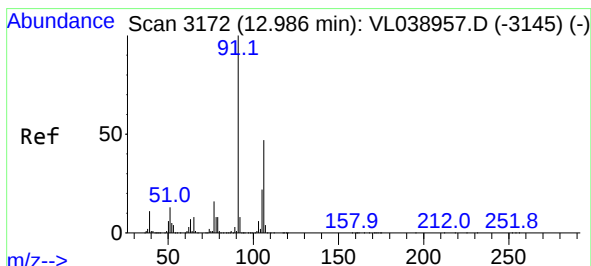
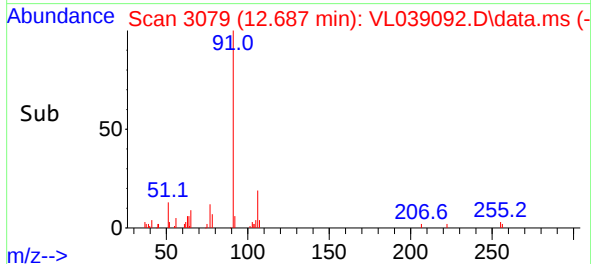
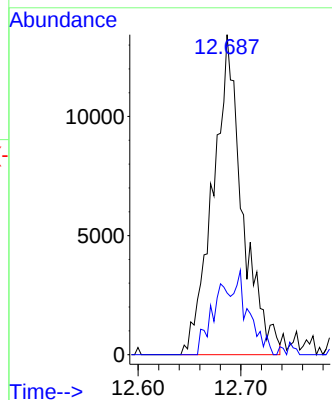
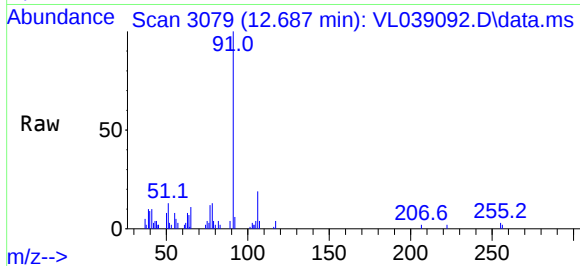
#58
Ethyl Benzene
Concen: 0.103 ppbv m
RT: 12.687 min Scan# 3083
Delta R.T. -0.013 min
Lab File: VL039092.D
Acq: 23 May 2022 20:24

Instrument :
MSVOA_L
ClientSampleId :
AP-2

Tgt Ion: 91 Resp: 26950
Ion Ratio Lower Upper
91 100
106 19.3 24.2 36.4

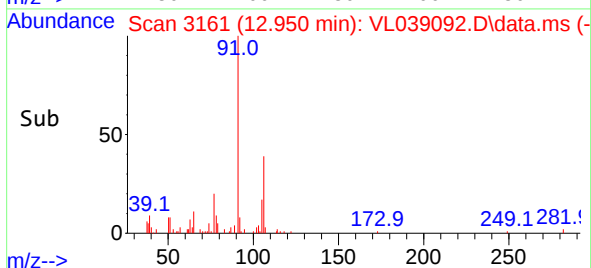
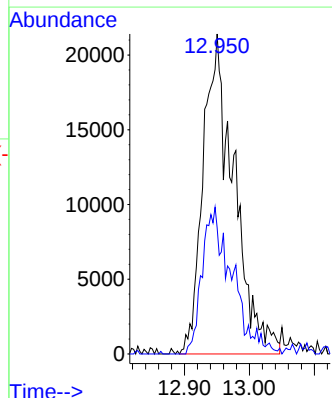
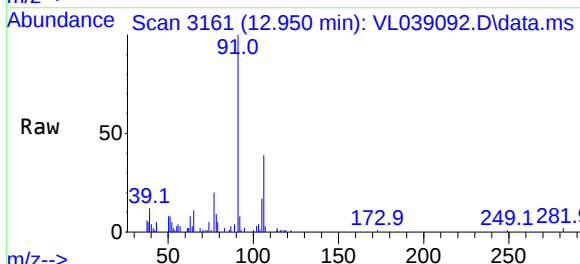
Manual Integrations
APPROVED

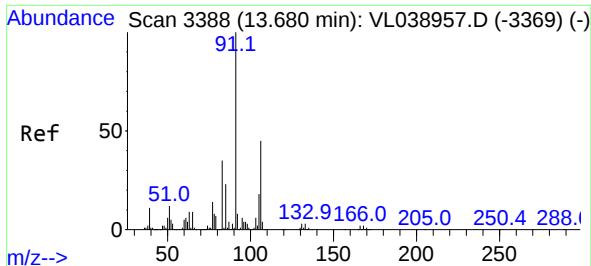
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#59
m/p-Xylene
Concen: 0.316 ppbv m
RT: 12.950 min Scan# 3161
Delta R.T. -0.035 min
Lab File: VL039092.D
Acq: 23 May 2022 20:24

Tgt Ion: 91 Resp: 70787
Ion Ratio Lower Upper
91 100
106 0.0 34.6 52.0





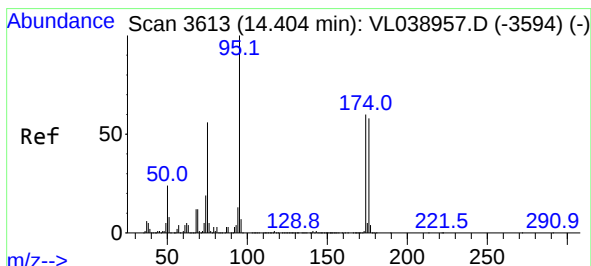
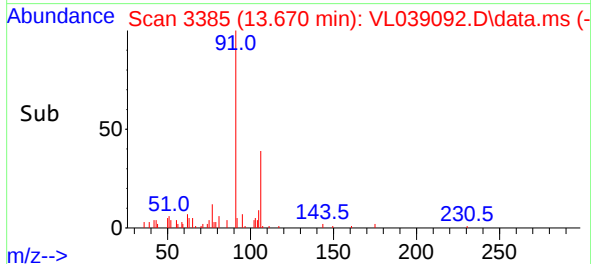
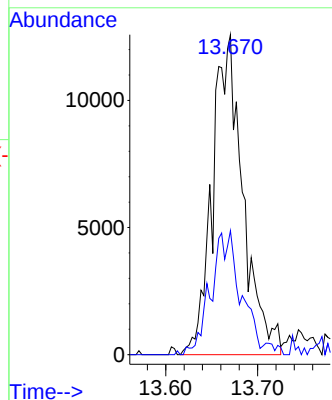
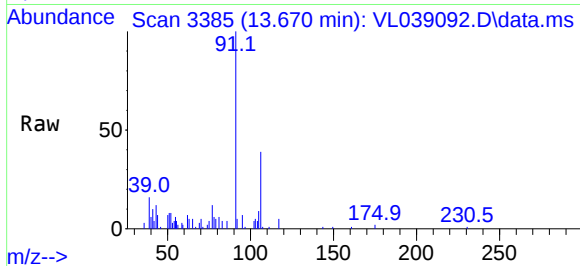
#60
o-Xylene
Concen: 0.138 ppbv m
RT: 13.670 min Scan# 311
Delta R.T. -0.010 min
Lab File: VL039092.D
Acq: 23 May 2022 20:24

Instrument :
MSVOA_L
ClientSampleId :
AP-2

Tgt Ion: 91 Resp: 2911
Ion Ratio Lower Upper
91 100
106 39.1 22.2 66.6

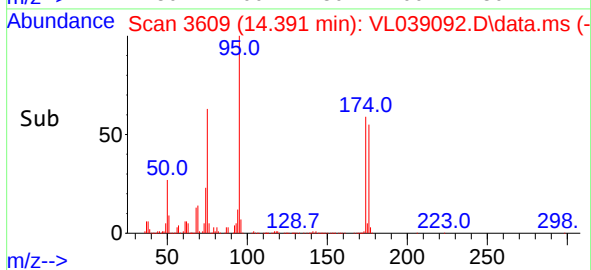
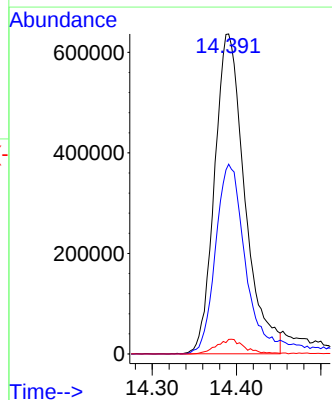
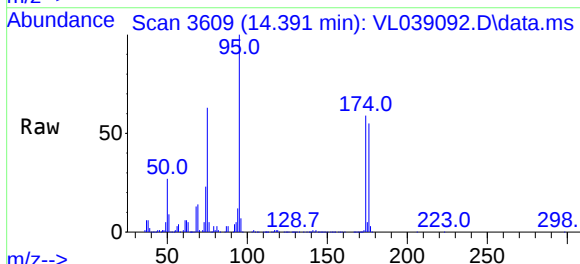
Manual Integrations
APPROVED

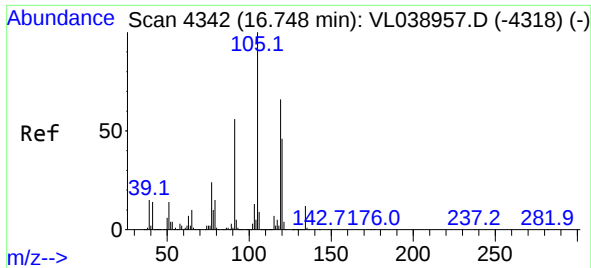
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.991 ppbv
RT: 14.391 min Scan# 3609
Delta R.T. -0.013 min
Lab File: VL039092.D
Acq: 23 May 2022 20:24

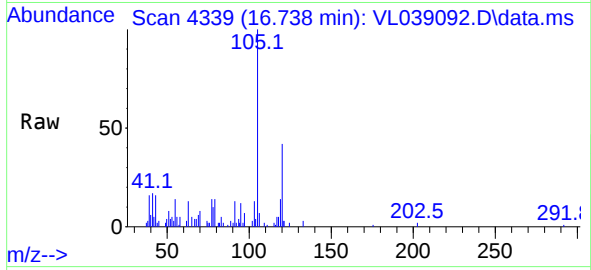
Tgt Ion: 95 Resp: 1585276
Ion Ratio Lower Upper
95 100
174 63.6 50.8 76.2
175 4.6 3.8 5.6





#74
 1,2,4-Trimethylbenzene
 Concen: 0.134 ppbv m
 RT: 16.738 min Scan# 4339
 Delta R.T. -0.010 min
 Lab File: VL039092.D
 Acq: 23 May 2022 20:24

Instrument : MSVOA_L
 ClientSampleId : AP-2



Tgt Ion:105 Resp: 3163

Ion	Ratio	Lower	Upper
105	100		
120	41.8	36.9	55.3
91	12.8	45.0	67.4
77	14.3	19.2	28.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/25/2022
 Supervised By :Mahesh Dadoda 05/26/2022

