

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052322\
 Data File : VL039090.D
 Acq On : 23 May 2022 19:03
 Operator : SY/AP
 Sample : N2956-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AP-1DUP

Manual Integrations
 APPROVED

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

Quant Time: May 24 06:01:27 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 26 13:00:58 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	5.655	49	961215	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.160	114	2145089	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.063	117	1806725	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.391	95	1539599	10.760	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.047	85	57776	0.384	ppbv	96
3) Chlorodifluoromethane	2.980	51	44427m	0.372	ppbv	
4) Chloromethane	3.140	50	28754	0.481	ppbv	98
9) Propene	3.018	41	444487	8.533	ppbv #	56
11) Trichlorofluoromethane	3.944	101	40524m	0.314	ppbv	
13) Ethanol	3.603	45	223555	60.647	ppbv	88
15) Acetone	3.838	43	691523	7.627	ppbv	97
19) Isopropyl Alcohol	3.967	45	42390m	0.983	ppbv	
20) Methylene Chloride	4.333	84	2866745	83.887	ppbv	98
26) Hexane	5.671	57	1695890	17.587	ppbv #	39
34) 2-Butanone	5.237	43	41605m	0.380	ppbv	
35) Carbon Tetrachloride	6.999	117	9903m	0.070	ppbv	
52) Tetrachloroethene	11.214	164	2638m	0.040	ppbv	
53) Toluene	9.783	91	35254m	0.171	ppbv	
58) Ethyl Benzene	12.690	91	93016	0.358	ppbv	94
59) m/p-Xylene	12.947	91	322274m	1.452	ppbv	
60) o-Xylene	13.671	91	81106	0.388	ppbv	99
73) 1,3,5-Trimethylbenzene	15.979	105	22822m	0.106	ppbv	
74) 1,2,4-Trimethylbenzene	16.741	105	46823m	0.200	ppbv	

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

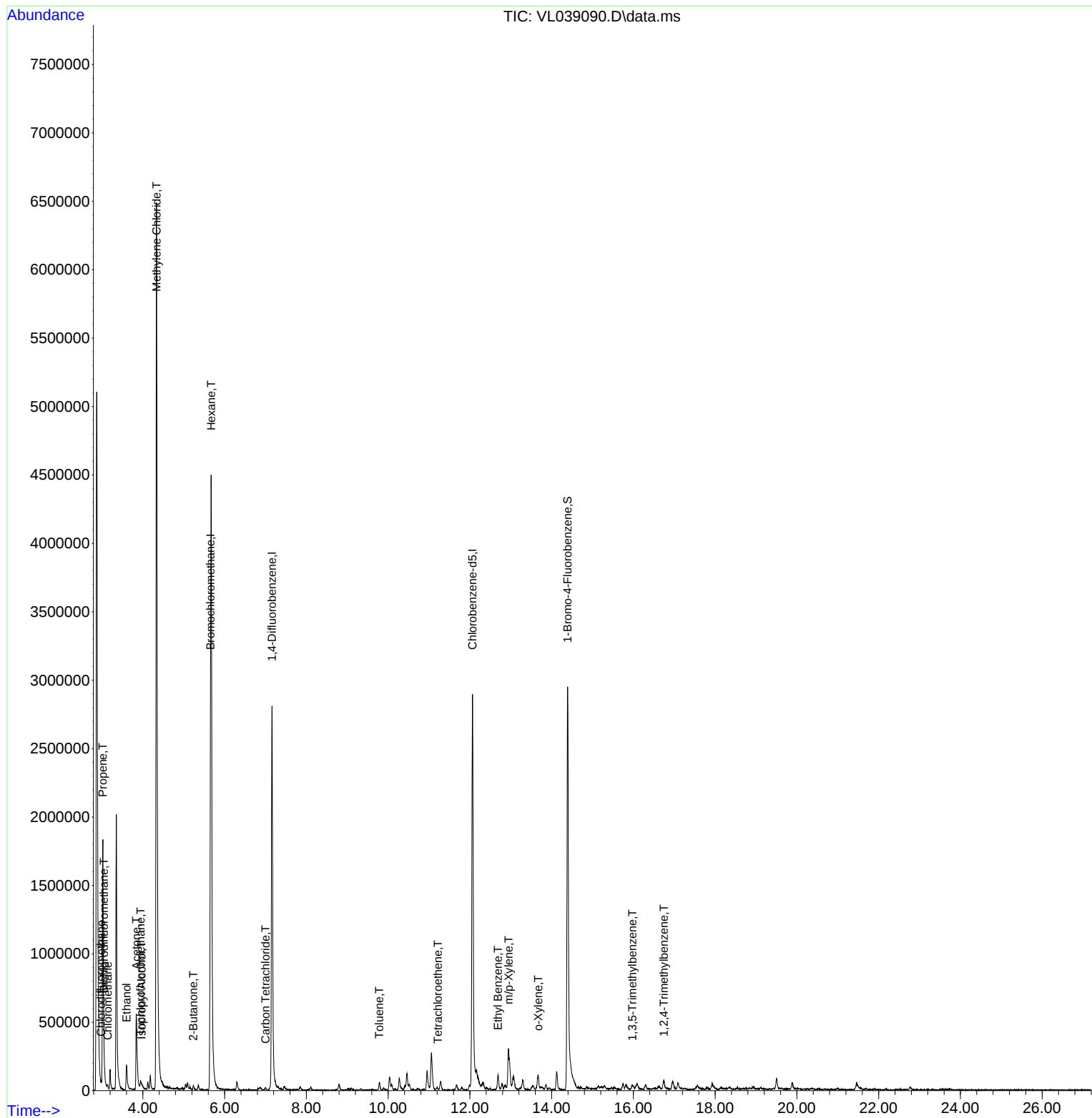
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052322\
Data File : VL039090.D
Acq On : 23 May 2022 19:03
Operator : SY/AP
Sample : N2956-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

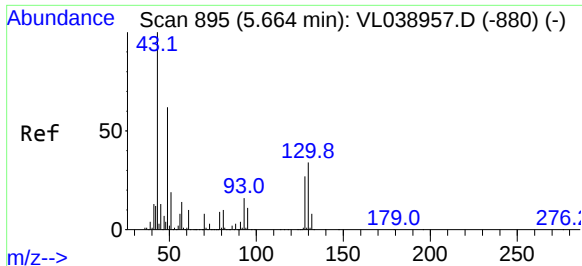
Instrument :
MSVOA_L
ClientSampleId :
AP-1DUP

Quant Time: May 24 06:01:27 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

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





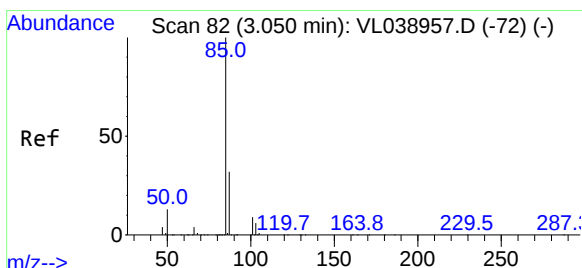
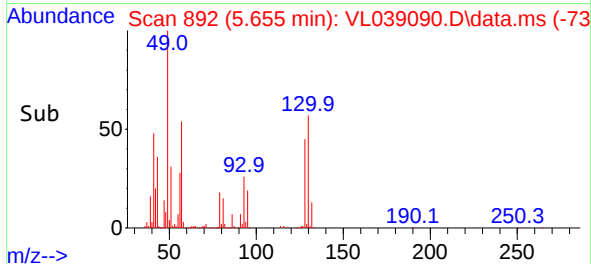
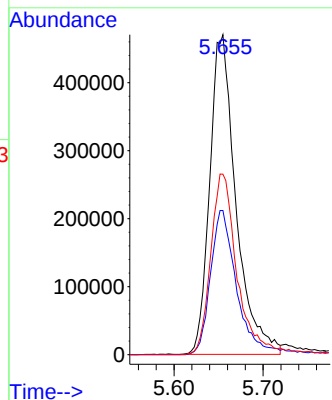
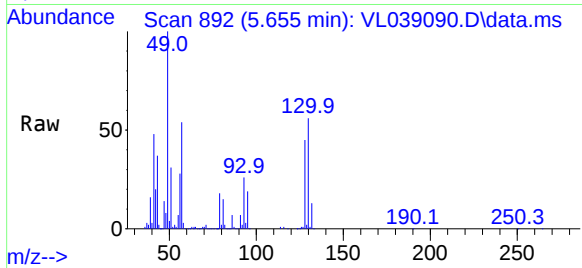
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.655 min Scan# 89
Delta R.T. -0.010 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03

Instrument :
MSVOA_L
ClientSampleId :
AP-1DUP

Tgt Ion: 49 Resp: 961215
Ion Ratio Lower Upper
49 100
128 46.4 23.3 69.8
130 58.6 29.8 89.3

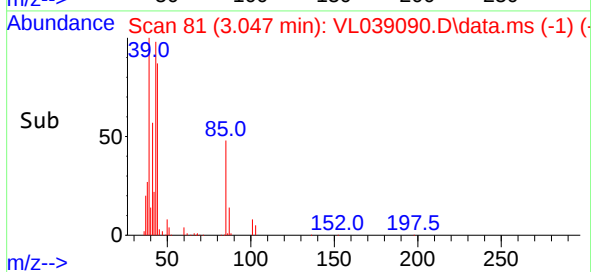
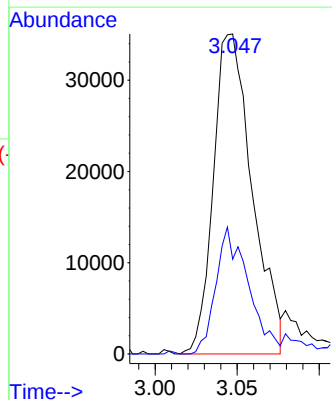
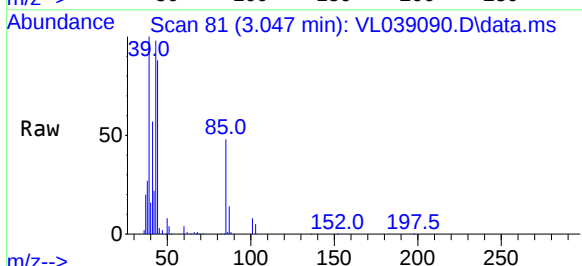
Manual Integrations
APPROVED

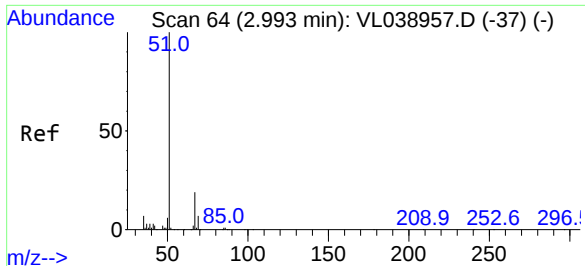
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#2
Dichlorodifluoromethane
Concen: 0.384 ppbv
RT: 3.047 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03

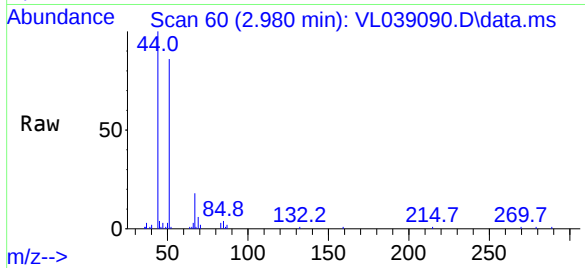
Tgt Ion: 85 Resp: 57776
Ion Ratio Lower Upper
85 100
87 29.6 25.7 38.5





#3
Chlorodifluoromethane
Concen: 0.372 ppbv m
RT: 2.980 min Scan# 60
Delta R.T. -0.013 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03

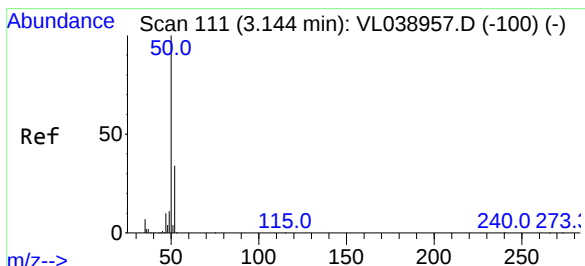
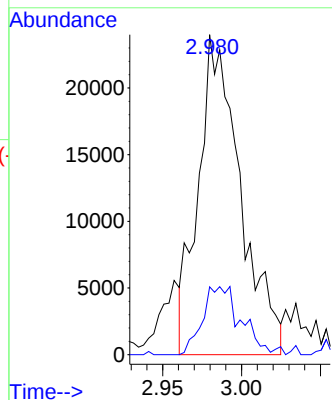
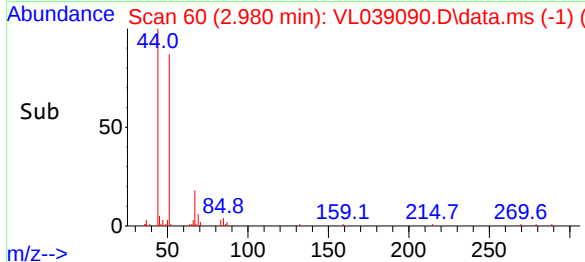
Instrument :
MSVOA_L
ClientSampleId :
AP-1DUP



Tgt Ion: 51 Resp: 4442
Ion Ratio Lower Upper
51 100
67 20.1 15.8 23.8

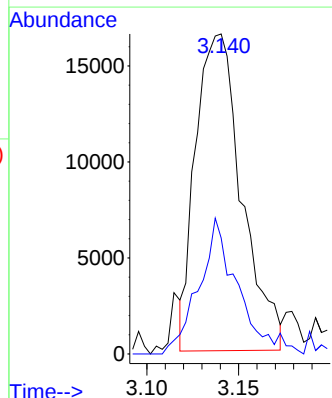
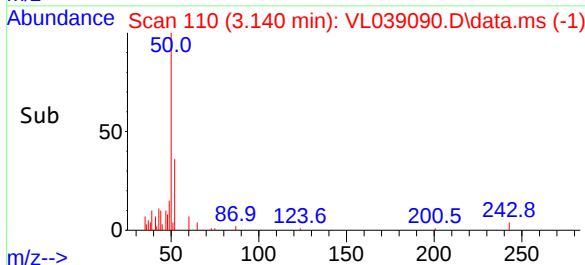
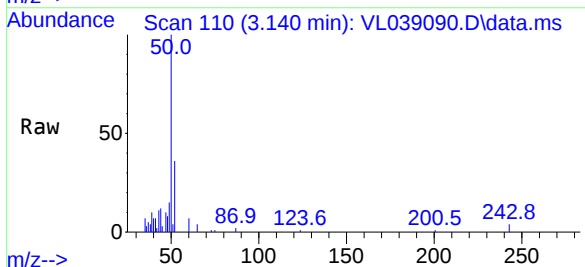
Manual Integrations
APPROVED

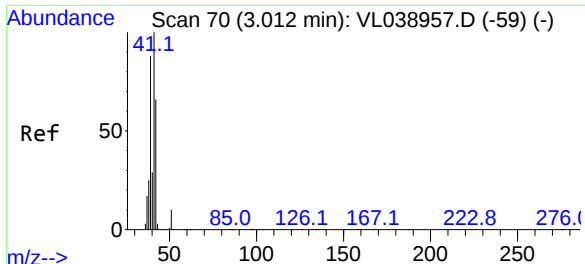
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#4
Chloromethane
Concen: 0.481 ppbv
RT: 3.140 min Scan# 110
Delta R.T. -0.003 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03

Tgt Ion: 50 Resp: 28754
Ion Ratio Lower Upper
50 100
52 33.2 27.3 40.9





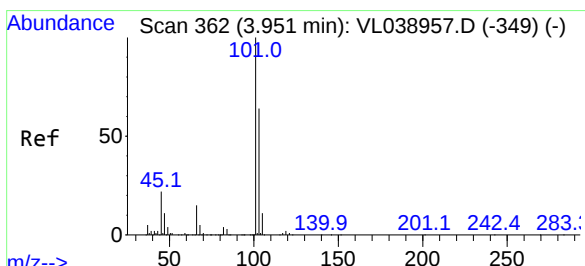
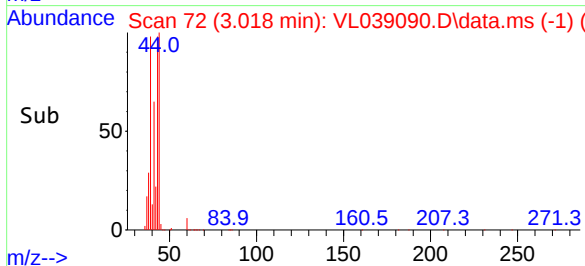
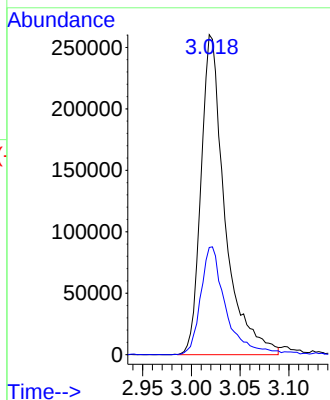
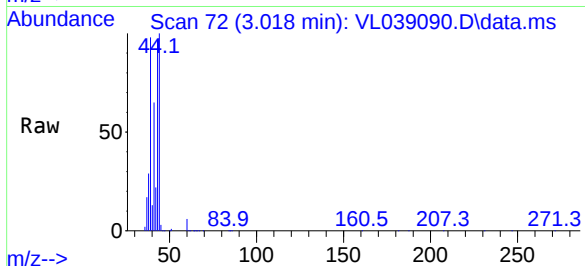
#9
Propene
Concen: 8.533 ppbv
RT: 3.018 min Scan# 70
Delta R.T. 0.006 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03

Instrument :
MSVOA_L
ClientSampleId :
AP-1DUP

Tgt Ion: 41 Resp: 44448
Ion Ratio Lower Upper
41 100
42 36.4 58.3 87.5

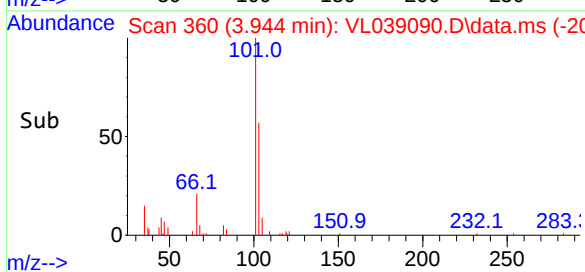
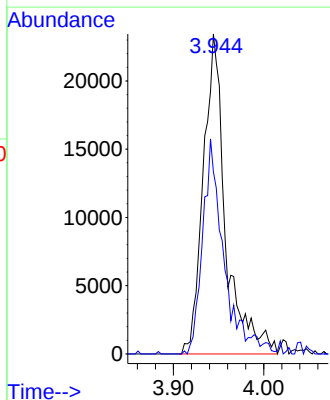
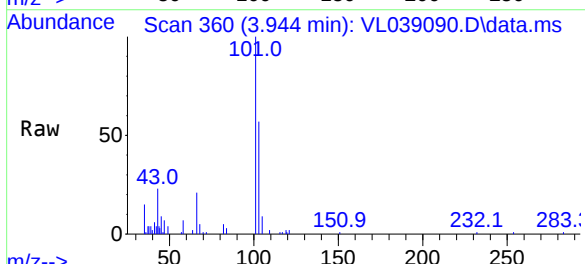
Manual Integrations
APPROVED

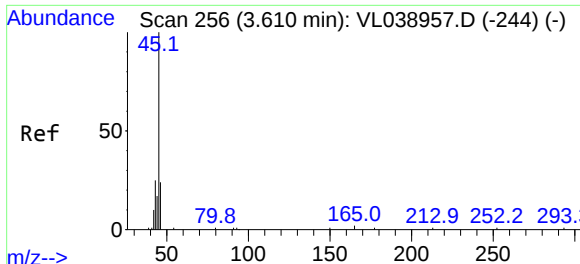
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#11
Trichlorofluoromethane
Concen: 0.314 ppbv m
RT: 3.944 min Scan# 360
Delta R.T. -0.006 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03

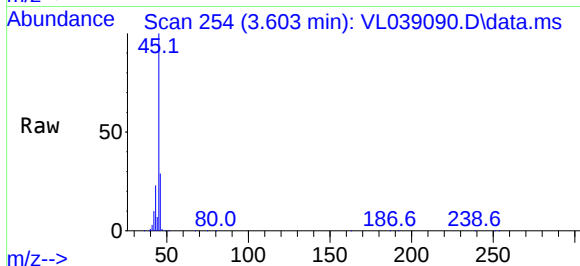
Tgt Ion:101 Resp: 40524
Ion Ratio Lower Upper
101 100
103 56.9 51.5 77.3





#13
Ethanol
Concen: 60.647 ppbv
RT: 3.603 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03

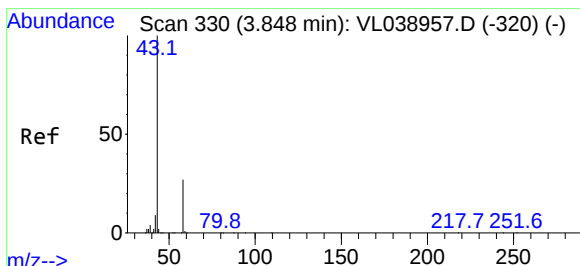
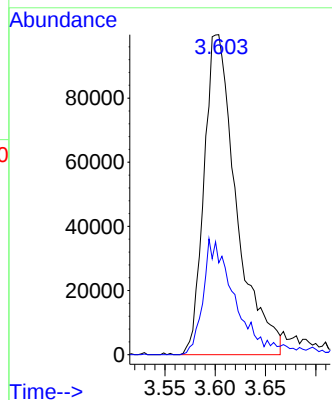
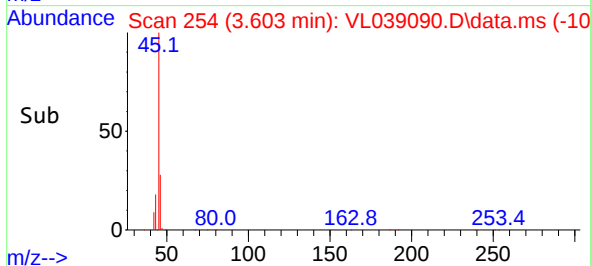
Instrument :
MSVOA_L
ClientSampleId :
AP-1DUP



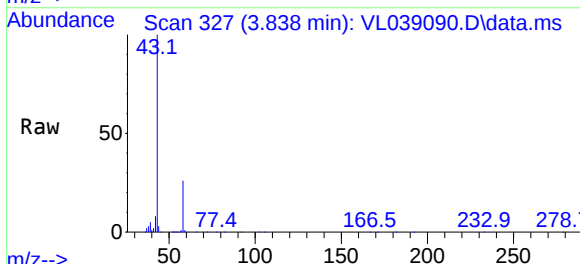
Tgt Ion: 45 Resp: 22355
Ion Ratio Lower Upper
45 100
46 37.4 18.0 72.2

Manual Integrations
APPROVED

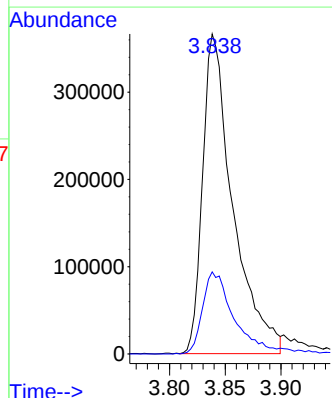
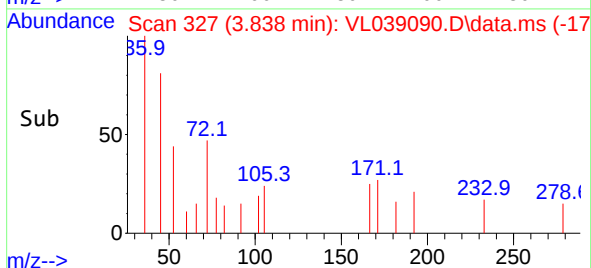
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022

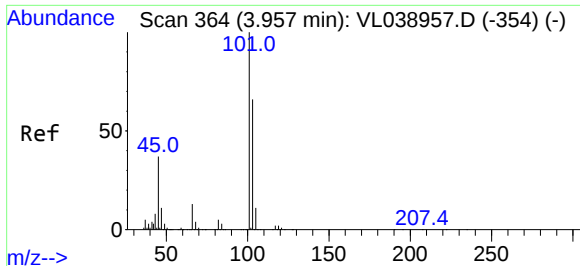


#15
Acetone
Concen: 7.627 ppbv
RT: 3.838 min Scan# 327
Delta R.T. -0.010 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03



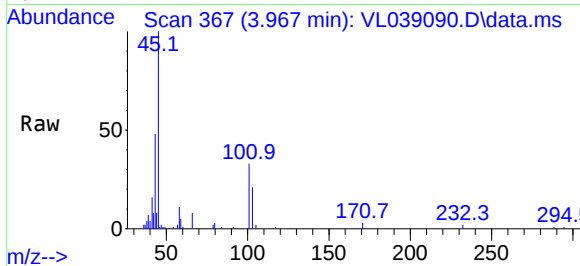
Tgt Ion: 43 Resp: 691523
Ion Ratio Lower Upper
43 100
58 28.3 21.3 31.9





#19
Isopropyl Alcohol
Concen: 0.983 ppbv m
RT: 3.967 min Scan# 30
Delta R.T. 0.010 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03

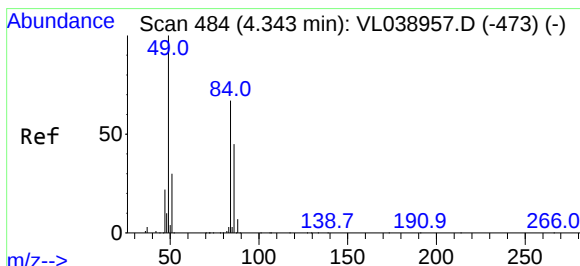
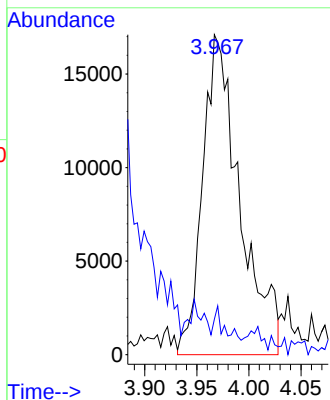
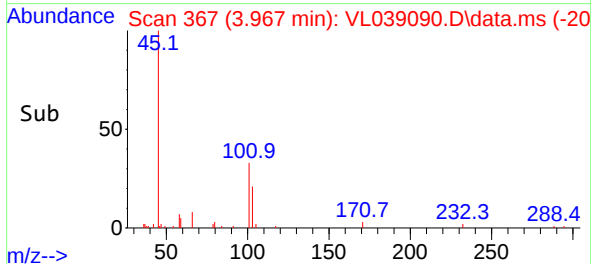
Instrument :
MSVOA_L
ClientSampleId :
AP-1DUP



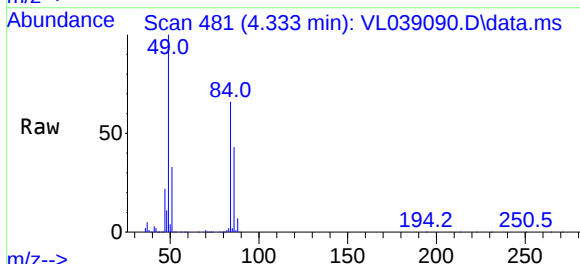
Tgt Ion: 45 Resp: 42390
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.2

Manual Integrations
APPROVED

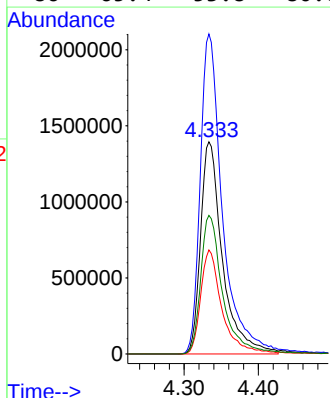
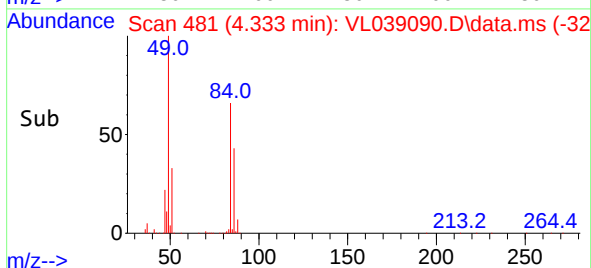
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022

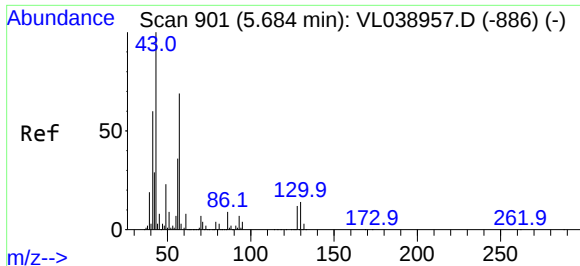


#20
Methylene Chloride
Concen: 83.887 ppbv
RT: 4.333 min Scan# 481
Delta R.T. -0.010 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03



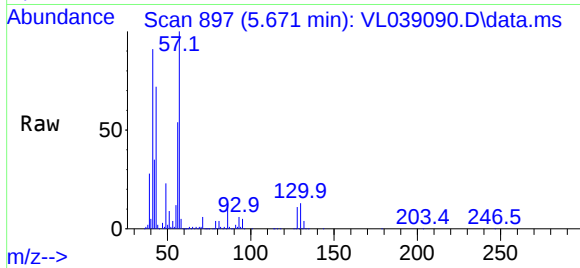
Tgt Ion: 84 Resp: 2866745
Ion Ratio Lower Upper
84 100
49 150.9 119.9 179.9
51 49.1 35.7 53.5
86 65.4 53.8 80.6





#26
Hexane
Concen: 17.587 ppbv
RT: 5.671 min Scan# 897
Delta R.T. -0.013 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03

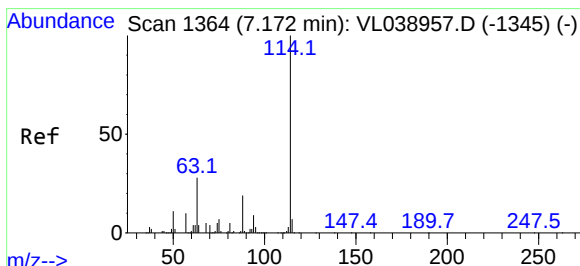
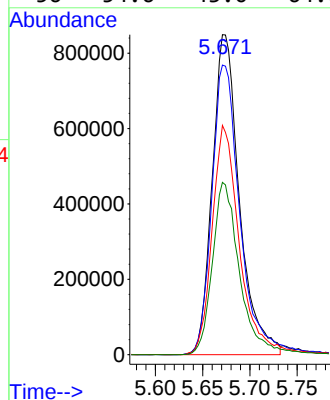
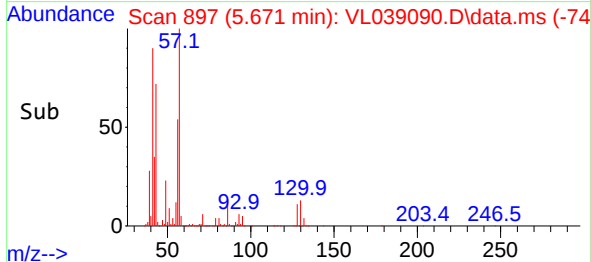
Instrument :
MSVOA_L
ClientSampleId :
AP-1DUP



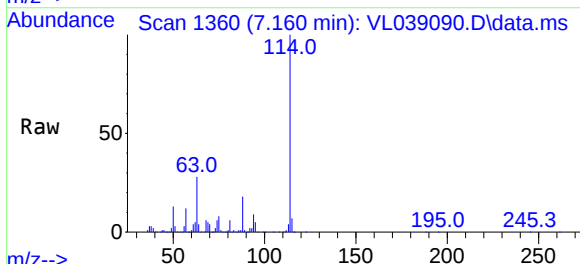
Tgt Ion: 57 Resp: 1695890
Ion Ratio Lower Upper
57 100
41 95.1 75.2 112.8
43 73.0 190.8 286.2
56 54.6 43.0 64.6

Manual Integrations
APPROVED

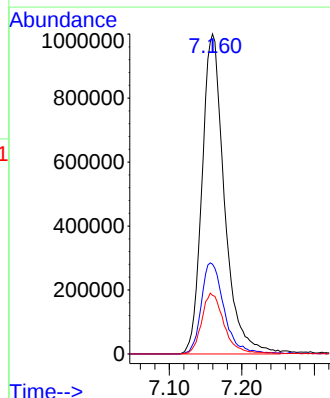
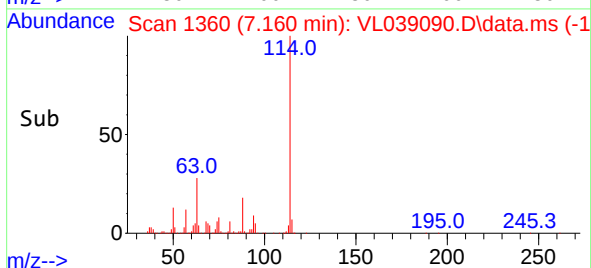
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022

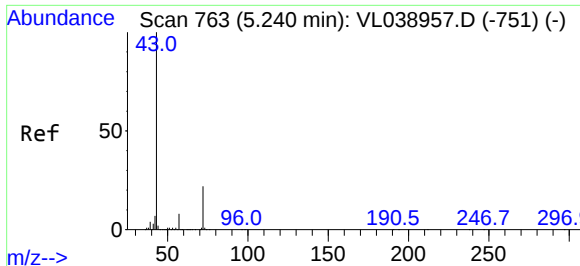


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.160 min Scan# 1360
Delta R.T. -0.013 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03



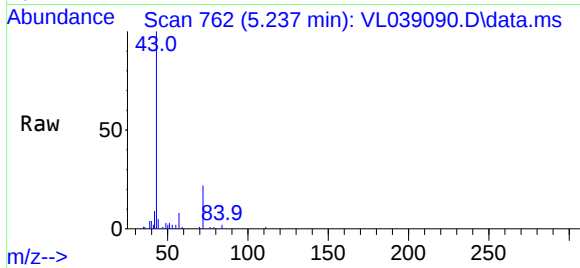
Tgt Ion:114 Resp: 2145089
Ion Ratio Lower Upper
114 100
63 29.2 22.6 33.8
88 19.2 15.4 23.0





#34
2-Butanone
Concen: 0.380 ppbv m
RT: 5.237 min Scan# 710
Delta R.T. -0.003 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03

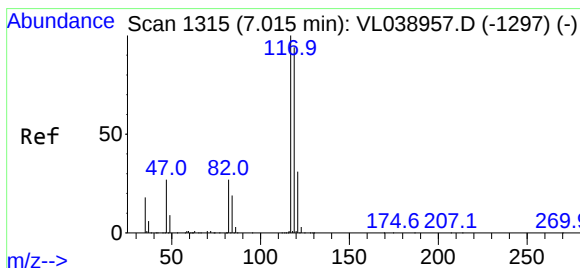
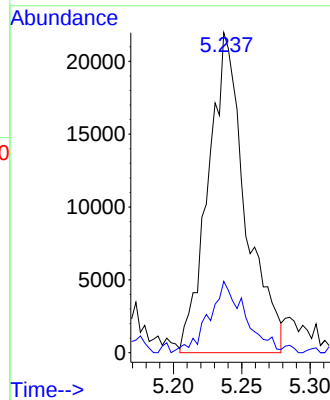
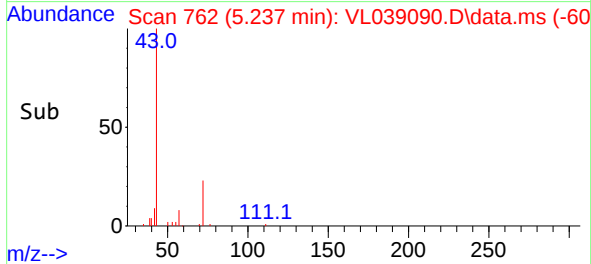
Instrument :
MSVOA_L
ClientSampleId :
AP-1DUP



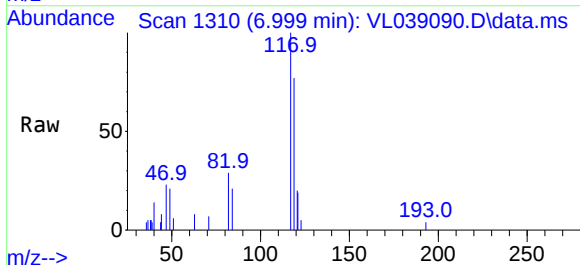
Tgt Ion: 43 Resp: 4160
Ion Ratio Lower Upper
43 100
72 23.0 17.8 26.6

Manual Integrations
APPROVED

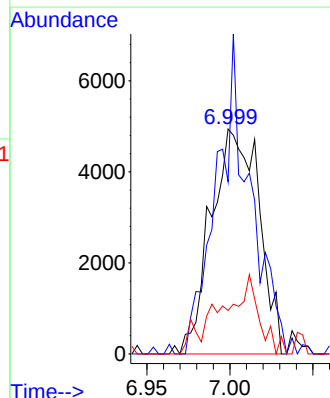
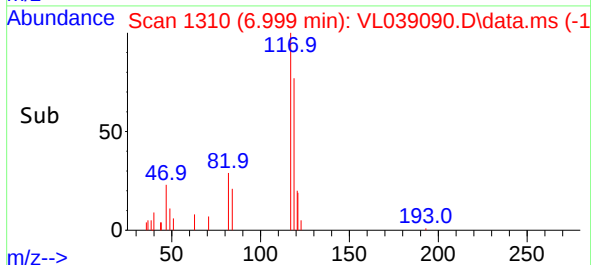
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022

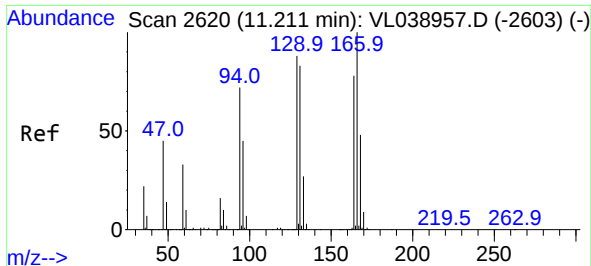


#35
Carbon Tetrachloride
Concen: 0.070 ppbv m
RT: 6.999 min Scan# 1310
Delta R.T. -0.016 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03



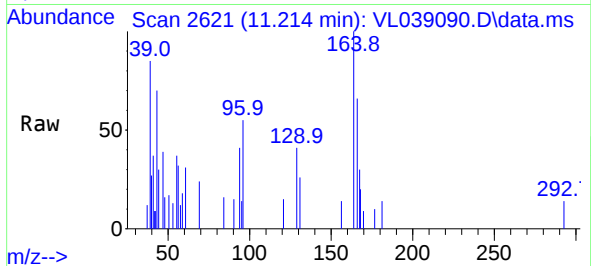
Tgt Ion:117 Resp: 9903
Ion Ratio Lower Upper
117 100
119 76.6 75.2 112.8
121 19.3 24.6 37.0#





#52
Tetrachloroethene
Concen: 0.040 ppbv m
RT: 11.214 min Scan# 2620
Delta R.T. 0.003 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03

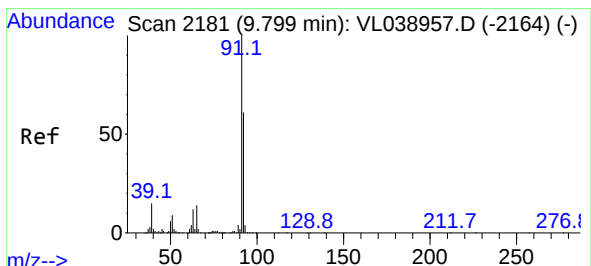
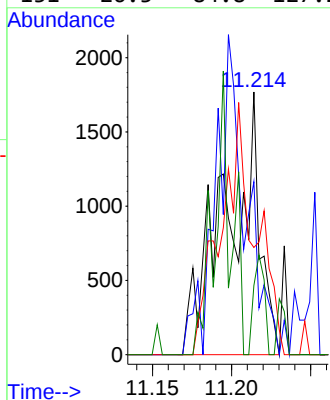
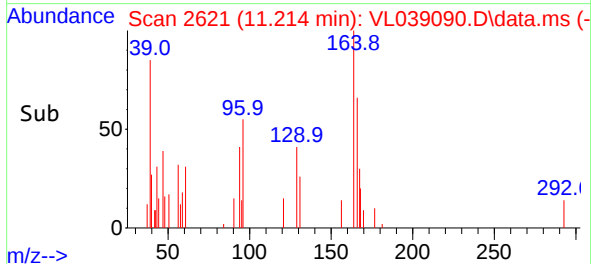
Instrument :
MSVOA_L
ClientSampleId :
AP-1DUP



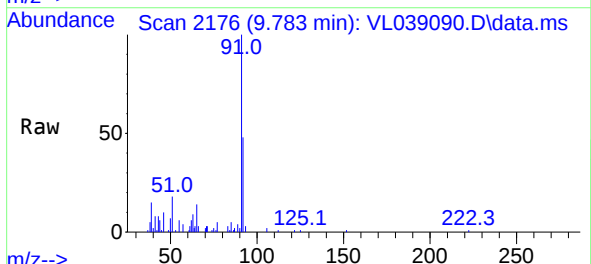
Tgt Ion:164 Resp: 2638
Ion Ratio Lower Upper
164 100
166 65.9 102.5 153.7
129 40.8 90.1 135.1
131 26.3 84.8 127.2#

Manual Integrations
APPROVED

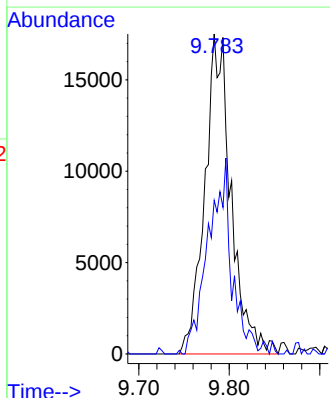
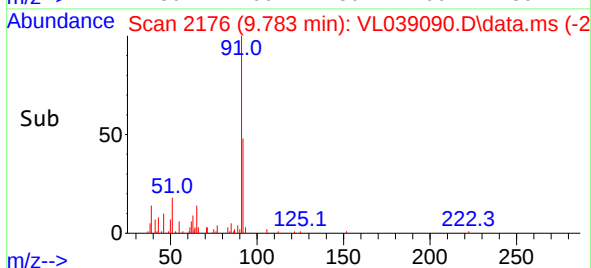
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022

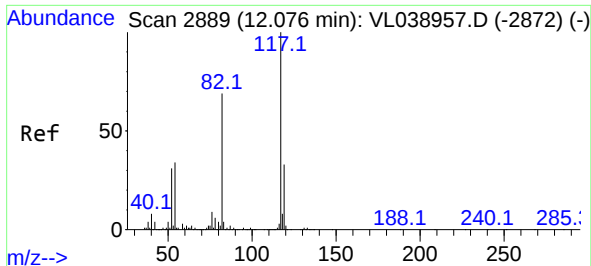


#53
Toluene
Concen: 0.171 ppbv m
RT: 9.783 min Scan# 2176
Delta R.T. -0.016 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03



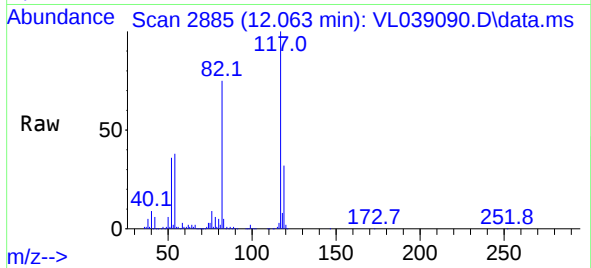
Tgt Ion: 91 Resp: 35254
Ion Ratio Lower Upper
91 100
92 0.0 48.2 72.2#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.063 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03

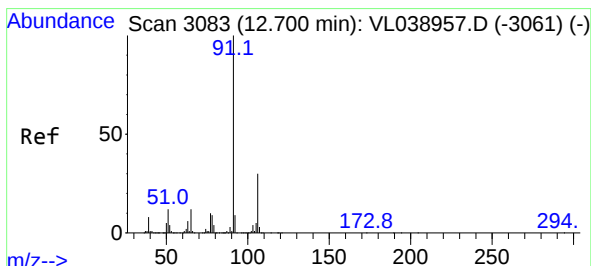
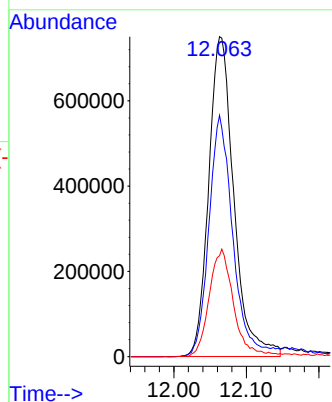
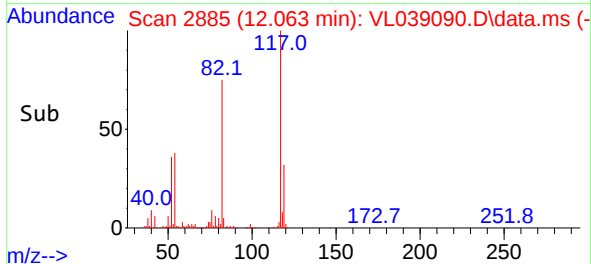
Instrument :
MSVOA_L
ClientSampleId :
AP-1DUP



Tgt Ion: 117 Resp: 180672
Ion Ratio Lower Upper
117 100
82 71.6 57.0 85.6
119 33.5 27.2 40.8

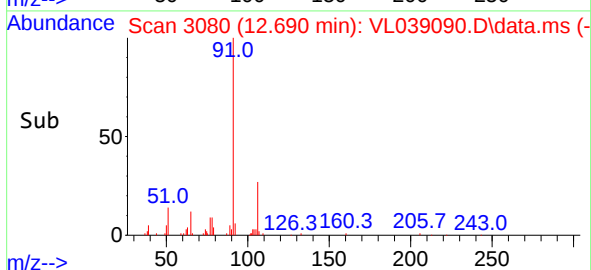
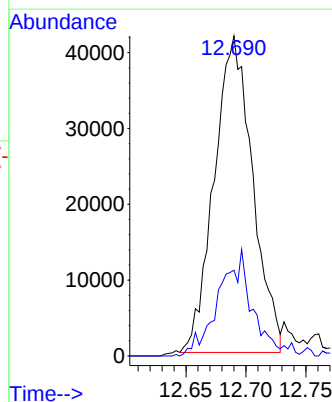
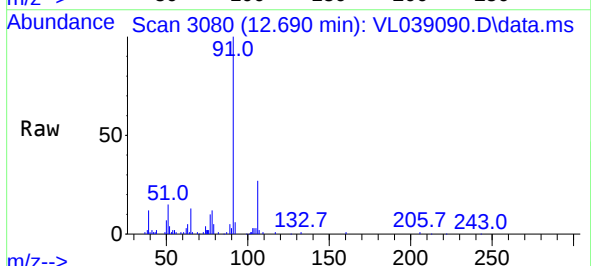
Manual Integrations
APPROVED

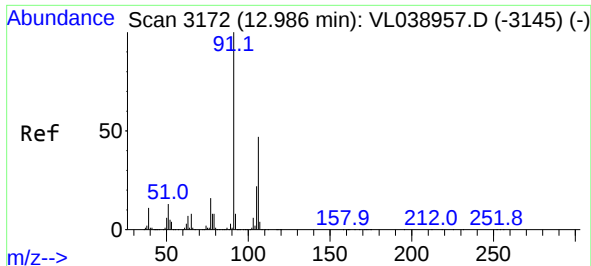
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#58
Ethyl Benzene
Concen: 0.358 ppbv
RT: 12.690 min Scan# 3080
Delta R.T. -0.010 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03

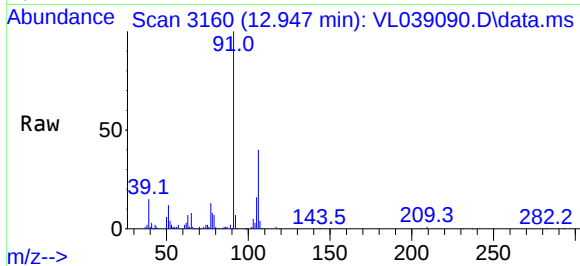
Tgt Ion: 91 Resp: 93016
Ion Ratio Lower Upper
91 100
106 27.1 24.2 36.4





#59
m/p-Xylene
Concen: 1.452 ppbv m
RT: 12.947 min Scan# 3172
Delta R.T. -0.039 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03

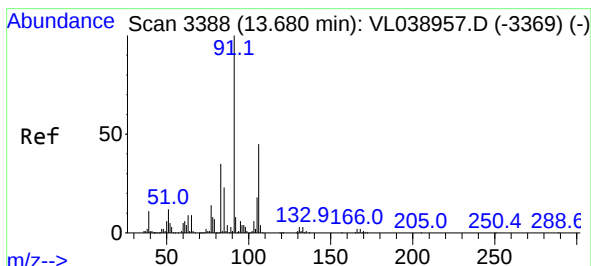
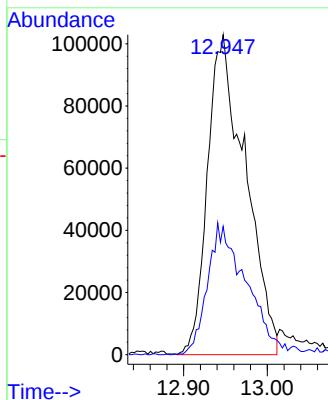
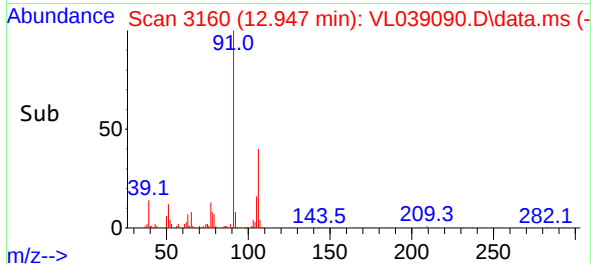
Instrument :
MSVOA_L
ClientSampleId :
AP-1DUP



Tgt Ion: 91 Resp: 322274
Ion Ratio Lower Upper
91 100
106 0.0 34.6 52.0

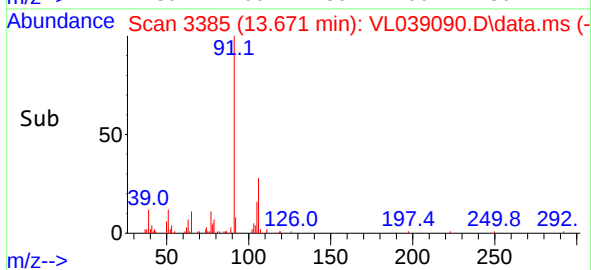
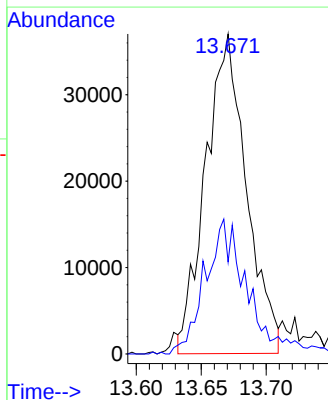
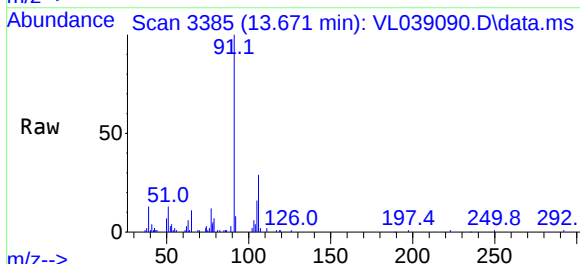
Manual Integrations
APPROVED

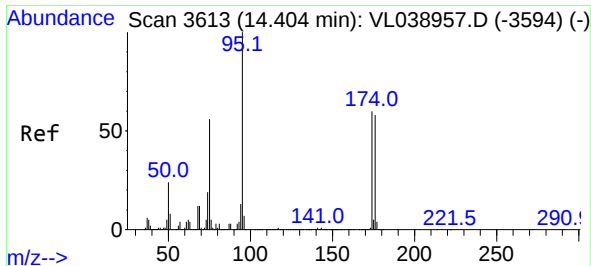
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#60
o-Xylene
Concen: 0.388 ppbv
RT: 13.671 min Scan# 3385
Delta R.T. -0.010 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03

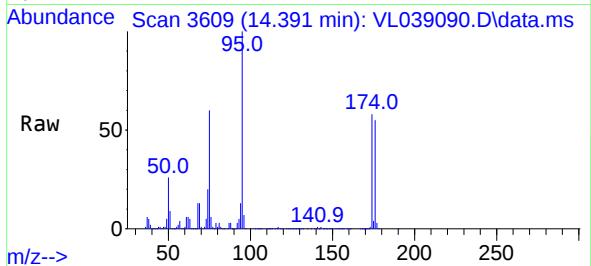
Tgt Ion: 91 Resp: 81106
Ion Ratio Lower Upper
91 100
106 44.8 22.2 66.6





#68
1-Bromo-4-Fluorobenzene
Concen: 10.760 ppbv
RT: 14.391 min Scan# 3609
Delta R.T. -0.013 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03

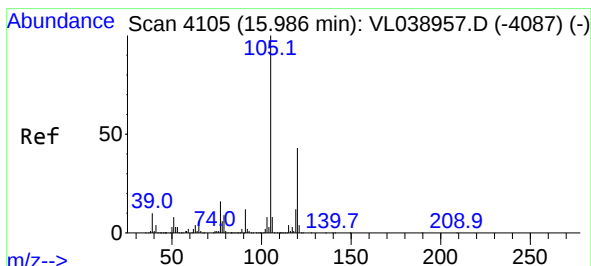
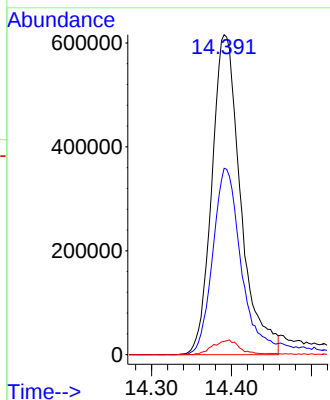
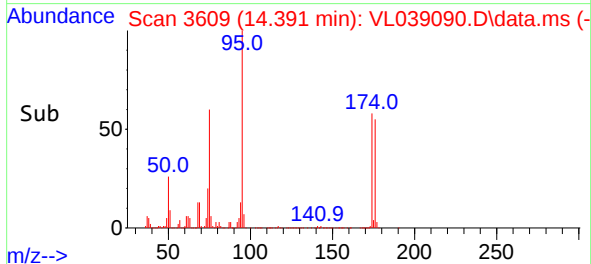
Instrument :
MSVOA_L
ClientSampleId :
AP-1DUP



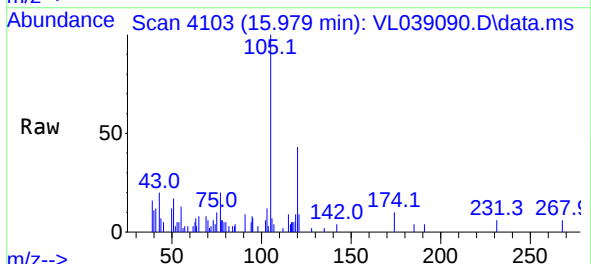
Tgt Ion: 95 Resp: 153959
Ion Ratio Lower Upper
95 100
174 62.9 50.8 76.2
175 4.6 3.8 5.6

Manual Integrations
APPROVED

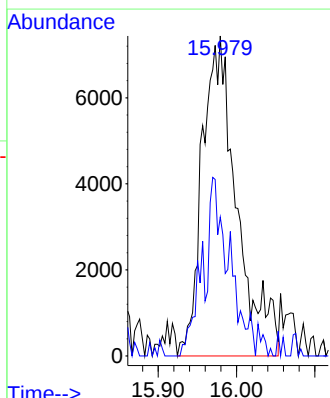
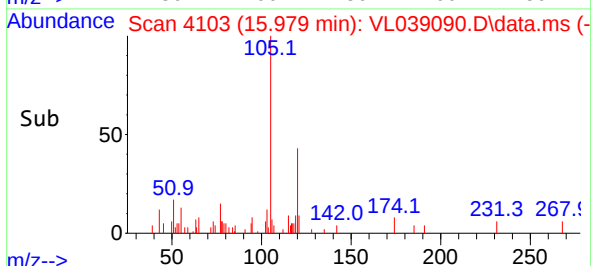
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022

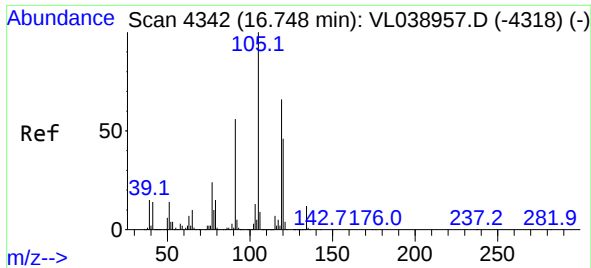


#73
1,3,5-Trimethylbenzene
Concen: 0.106 ppbv m
RT: 15.979 min Scan# 4103
Delta R.T. -0.006 min
Lab File: VL039090.D
Acq: 23 May 2022 19:03



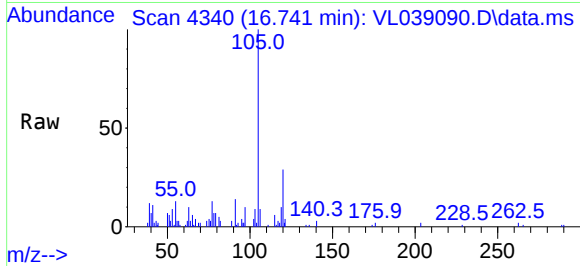
Tgt Ion:105 Resp: 22822
Ion Ratio Lower Upper
105 100
120 43.4 34.4 51.6





#74
 1,2,4-Trimethylbenzene
 Concen: 0.200 ppbv m
 RT: 16.741 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VL039090.D
 Acq: 23 May 2022 19:03

Instrument :
 MSVOA_L
 ClientSampleId :
 AP-1DUP



Tgt Ion:105 Resp: 4682

Ion	Ratio	Lower	Upper
105	100		
120	28.9	36.9	55.3
91	13.5	45.0	67.4
77	13.1	19.2	28.8

Manual Integrations
 APPROVED

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

